



Ref.No.PO(Chandragupt24-25/ 524

Date: 28/01/2025

To,

The Divisional Forest Officer, Chatra South Forest Division, Chatra.

- Sub: Pointwise compliance of the conditions of Stage-I Clearance for 699.38Ha (400.96Ha Chatra South Forest Division and 298.42 Ha in Hazaribagh West Forest Division) of Forest land of Chandragupt OCP, CCL issued by MoEF&CC, Govt. of India, vide File.No.8-24/2023-FC dated 27.05.2024
- Ref: Stage-1 / In-Principle of FC granted by MoEF&CC Delhi vide File No.-8-24/2023-FC dt, 27.05.2024.

Dear Sir,

Pointwise compliance of conditions of Stage-1 Forest Clearance for the diversion of 699.38 Ha Forest land of Chandragupt OCP, CCL issued by MoEF&CC, Govt. Of India, vide F.No.8-24/2023-FC dated 27.05.2024 in Chatra&Hazaribagh Districts of Jharkhand is being furnished below (8 copy) for kind perusal and further needful.

S.NO	Conditions stipulated in FC	Compliance Status
1	Legal status of the diverted forest land shall remain unchanged;	Chandragupt OCP undertakes that Legal status of the diverted forest land shall remain unchanged. Undertaking in this regard is attached as Annexure-1
2	Compensatory Afforestation:	
ι.	The User agency shall provide suitable non-forest land equivalent to the forest land proposed to be diverted for the purpose of Compensatory afforestation, The said land	As per the latest guidelines issued by MoEF&CC on dt 17.12.2024 (copy enclosed as Annexure -2), the Central Agencies/PSUs which were granted 'In-Principle' approval stipulating CA over non-forest land before notification of Van (Sanrakshan Evam Samvardhan) Amendment Rules, 2024, shall be allowed to submit compliance of Tu- Principle' approval along with CA proposal over DFL in lieu of NFL.
	Minkest Kommar J.F.S Plan and Forest Officer Chatter Sound Forest Division	PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT CHANDRAGUPT OPEN CAST PROJECT

Compliance of Stage - I FC conditions of Chandragupt_OCP (699.38 Ha) granted vide

	mutated in the name of the	As per the aforesaid guideline, Double degraded Forest land is now being accepted for the purpose of raising CA in lieu of Forest land to be diverted. The related Para v(a) of MoEF & CC guideline is reproduced below: With regards to the applicability of the provisions of the Van (Samrakchan Evan Samvardhan) Amendment Rules, 2024 in respect of proposals of the Central Agencies/PSUs and captive coal blocks of the State PSUs which
11.	The non-forest land identified for raising Compensatory Afforestation shall be demarcated by concrete pillars of suitable size and handed over, free from all encumbrances to the State Forest Department report the Final/ Stage-II approval	were granted 'in-principle' approval stipulating CA over non-forest land, the following clarification is given in this regard: "Proposals, which were submitted by the States/UTs before notification of Van (Samrakshan Evam Samvardhan) Amendment Rules, 2024, along with the proposal of raising CA over degraded forest land (DFL) and were granted 'on-principle approval stipulating CA over non-forest land (NFL), shall be allowed to submit compliance of in- principle approval along with CA proposal over DFL in lieu of NFL The Central Government will consider and grant final approval in such cases stipulating CA over DEC."
iii.	The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars, if required on the CA land, shall be deposited in advance with the Forest Department by the user agency. The CA will be maintained for 10 years.	 DFL^a. Accordingly, a demand of Rs 164,36,19,381/- (Rupees One Hundred Sixty Four Crore Thirty Six lakh Nineteen thousand Three Hundred and eighty One only), has been naised by DFO Chatra (S) & DFO Hazaribagh (W). Details are as under: 1. DFO,(Chatra south) vide letter No:61 dated 07.01.2025 CCL has deposited Rs 82,10,67,915.00 2.DFO (Hazaribagh West)vide letter no:216 dated 10.01.2025 CCL has deposited Rs 54,51,52,566.00 3. DFO,Chatra South Forest Division vide letter no :81 dated 15.01.2025, CCL has deposited Rs 27,73,98,900.00
	The scheme may include afforestation of indigenous species with appropriate provision for anticipated cost increase for works scheduled for subsequent years. The work of compensatory afforestation shall start within two years of issue of order of diversion of forest land.	 Payment of Rs. 219,42,90,3817 has been made in "Ad-noc CAMPA" Vide UTR No.ICICR42025012700001515 dt 27.01.2025 Out of this, Rs 164,36,19,3817- (Rupees One Hundred Sixty Four Crore Thirty Six lakh Nineteen thousand Three Hundred and eighty One only), is for cost of Compensatory Afforestation. It is to further mention that, Double Degraded Forest Land (DDFL) for CA purpose in respect of Chandragupt OCP has already been submitted and accepted by IRO, Ranchi, and Advisory Committee of MoEF&CC, Delhi, Copy of Site Inspection Report (SiR) by IRD, MoEF&CC Banchi dated DB.02.2024 is attached as ANNEXURE-3 Copy of demand notes issued by concerned Division (Hazaribagh West
		& Chatra South), acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-4 & Annexure-5 Duly signed Levies format is attached for kind reference as Annexure 22.
	Mukesh Klimar LF.S Divisional Forest Officer Chatra South Forest Division	PROJECT OFFICER

		Further to the above, Chandragupt OCP, CCL undertakes to pay the deficit amount, if any, in respect of Compensatory Afforestation from the money already realized by State Forest Dept. The undertaking to this effect is attached at Annexure-6
3	Net Present Value:	
(1)	The User Agency shall transfer the funds towards the cost of Net Present Value (NPV) of the forest fand being diverted under this proposal in accordance with the MoEF&CC's guidelines dated 6.01.2022 read with guidelines dated 19.01.2022	 Payment of Rs. 110,26,30,000/- has been made in "Ad-hoc CAMPA" vide UTR No.ICKR42024121100000899 dt 11.12.2024. Out of this, Rs 85,92,51,274/- is for NPV. Payment has been made in accordance with the demand issued by concerned division. Details are as under: Demand note of Rs 49,26,15,446.40 received from DFO,Chatra (South) vide the Ltr.No.1129 Dtd.31.05.2024 Demand note of Rs 36,66,35,828.00 received from DFO, Hazaribagh (West) vide their Ltr.No.3331 Dtd.04,06.2024. Copy of demand notes issued by concerned Division (Hazaribagh West & Chatra South), acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-7 & Annexure-8 Duly signed Levies format is attached for kind reference as Annexure 22
(11)	At the time of payment of the Net Present Value (NPV) at the present rate, the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;	Chandragupt OCP undertakes to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India. Annexure-9
4	A Site-Specific Wildlife Conservation plan duly approved by CWLW shalt be prepared and same shall be implemented at the cost of user agency;	Payment of Rs. 110,26,30,000/- has been made in "Ad-hoc CAMPA" vide UTR No.ICICR42024121100000899 dt 11.12,2024. Out of this, Rs 19,47,00,340/-is for WLMP . Payment has been made in accordance with the MoEF&CC guideline dtd 17.06,2022 (2% of the Project Cost) and subsequent demand issued by DFO Chatra (South) vide their Ltr.No.2118 Dtd.25.10.2024 of Rs 19,47,00,340.00. Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-10 & Annexure-11 Further Chandragupt Project, CCL undertakes to pay the deficit amount if any in respect of WLMP at the time of Stage-II compliances. Undertaking in this regard is attached as Annexure-12 Duly signed Levies format is attached for kind reference as Annexure 22

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PROJECTOSPICES Divisional Forest Officer CHANDRAGUPT ORDE CAST POLICIES South Forest Division AMRAPALI-CHANDRAGUPT AREA CC

5	To mitigate the impact on water of Barki River and other	The Catchment Area Treatment Pian of Chandragupt OCP has been approved by PCCF/HoFF, GoJ vide Office order No.17 dated 28.11.2024.
	rivulets/nalas, a Catchment area treatment (CAT) plan shall be prepared and	The copy of approval is enclosed as Annexure-13 Payment of Rs. 219,42,90,381/ has been made in "Ad-hoc CAMPA" vid UTR No.ICICR42025012700001515 dt 27.01.2025
	implemented at the cost of the user agency.	Out of this, Rs 48,05,92000/- is for CAT plan. Payment has been mad in accordance with the approved plan and demand issued by DFO Chatr (South) vide Ltr No:2343 dated 29,11,2024 of Rs 37,07,26,000.00 an demand issued by DFO Hazaribagh (West) vide Ltr No:598 dated13,12,2024 of Rs10,98,66,000.00
		Copy of demand notes, acceptance copy by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-14 & Annexure-15
		Duly signed Levies format is attached for kind reference as Annexure 2
5	Top Soil Management Plan as recommended by the State shall be prepared and implemented at the cost of the user agency	Top Soil Management plan prepared by CMPDIL. Copy of same i enclosed as Annexure-16 Undertaking in this regard is attached as Annexure-17
7	No mining shall be carried within 60 mtrs from the HFL of the Barki River, and green belts as per norms shall be maintained around the other water bodies;	CCL planning of Mine that, no mining will be carried within 6 mtrs from the HFL of the Barki River, and green belts as pe norms will be maintained around the other water bodies also. An undertaking in this regard is attached as Annexure-18
B	The State has intimated that the diversion of Chotkl river has been recommended by the Chief Engineer (Water Resources Department). In this regard the copy of approval of the same by the competent authority shall be submitted.	A detailed Stream Diversion study of Chotki stream was done b IIT Roorkee, wherein DPR of stream diversion was prepared and submitted to Water Resource Dept. of Jharkhand The Chief Engineer (Planning and Monitoring), WRD JH recommended for issuance of NoC vide lette No:C.E/645/2022/230 dated 24.04.2023. A detailed Stream Diversion study of Chotki stream was done b IIT Roorkee, wherein DPR of stream diversion was prepared and submitted to Water Resource Dept. of Jharkhand. The Chief Engg. (Planning and Monitoring), Jal Bhawan, Ranch has recommended for issuance of NoC vide letter n C.E./645/2022/230 dated 25.04.2023. Superintending Engineer, WRD vide letter no. 628 date 16.07.2024 intimated to PP that "proposal of in-principl approval/NoC for diversion of Chotki Nala at Chandragupt Project is under departmental consideration and any decision regarding the same is subject to the approval of Nala Diversion Guideline currently under the process of departmental approval". The Standard Operating Procedure-cum-Guidelines issued b tine Water Resources Department, Government of Jharkhand D

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Mukesh Kumar LF,S Divisional Forest Officer Chatra South Forest Division

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		 04.10.2024 for diversion of water flow of river, stream, drain or natural water reservoir. Accordingly, Chief Engineer, Project Planning and Monitoring, Water Resource Department, Jharkhand has directed to submit revised proposal to the concerned field Chief Engineer in context of the above mentioned SOP-cum-Guidelines. CCL has submitted the revised proposal to the Chief Engineer, Water Resources Department, Hazaribagh on 01.11.2024 (Annexure 19) and Field inspection also completed on 12.010.2025 and which is presently under approval of Chief Engineer, WRD, Hazaribagh. Further, CCL has submitted an undertaking that the diversion will only be carried out after obtaining the necessary No-Objection Certificate (NoC) from the Water Resource Department of Jharkhand State. An undertaking in this regard is attached as Annexure-20
9	The State will also prepare a human- elephant conflict mitigation plan which will be funded by the User Agency and will take necessary measure to mitigate drivers of negative human- elephant conflicts and paying timely compensations and ex- gratia;	Special arrangement has been made to mitigate human-elephant conflicts. Anti-depredation squad (ADS), ADS vehicle, and monitoring team has been proposed and paying timely compensations and also ex-gratia has been prepared Apart from habitat management, such as food, water, shelter, awareness, etc., for Human Elephant Conflict (HEC), some relevant recommendation of GAJBANDHU YOJNA of Odisha and Guideline for Management of Human Elephant Conflicts (HEC) (MOEF, 2017) has been incorporated in the Site Specific wildlife Mitigation &management plan, and submitted for competent approval. Meanwhile the Payment of Rs. 110,26,30,000/- has been made in "Ad- hoc CAMPA" vide UTR No.ICICR42024121100000899 dt 11.12,2024. Out of this, Rs 19,47,00,340/-is for WLMP. Payment has been made in
		Copy of demand note, acceptance by ED Nodal, GoJ, Chailan & bank certificate are attached as Annexure-8 & Annexure-9
	11	Further Chandragupt Project, CCL undertakes to pay the deficit amount if any in respect of WLMP at the time of Stage-II compliances. Undertaking in this regard is attached as Annexure-21. Duly signed Levies format is attached for kind reference as Annexure 22.
10	The State Government shall upload the KML files of the area under diversion and the accepted area for raising	To be Complied by State Forest Department

PROJECT DIFICER Mukesh Kumar LF.S Divisional Forest Officer CHANDRAGUPT OPEN CAST FROJECT Divisional Forest Officer AMR.DPALI-CHANDROLOUPT AREA COTChatra South Forest Division

	compensatory afforestation in the E-green watch portal of FSI, before handing over forest land to the user agency;								
11	All the funds received from the user agency under the project shall be transferred/deposited in CAMPA account only	219,4 Dept	CCL has deposited a total of Rs 110,25,26,699.00 on 11.12.2024 & Rs 219,42,90,381.00 on 27.01.2025 as per the demand of the State Forest Department in Ad-hoc CAMPA account through e-portal [https://parivesh.nic.in/].Payment has been done as follows:						
10	through e-portal (https://parivesh.nic.in/).	SI No	Particula rs	Demand Raised vide	Amount Paid (RS)	UTR No	Date		
	Amount deposited through other mode will not be accepted as compliance of	1	NPV	DFO, Chatra (South) vide Ltr.No.1129 Dtd.31.05.2024	49,26,15,446,40	1C1CR42024 1211000008 99	11.12.2024		
	the Stage-I clearance;		u 15.170 2200	DFO, Hazaribagh (West) vide Ltr.No.3331 Dtd.04.06.2024	36,66,35,828.00	ICICR42024 1211000008 99	11.12.2024		
		2	WLCP	DFO Chatra (South) vide Ltr:No.2118 Drd.25.10.2024	19,47,00,340.00	1CICR42024 1211000008 99	11.12.2024		
		3	SMC	DFO Chatra (South) vide La:No.2117 Dtd.25,10.2024	4,86,75,085,00	1C3CR42024 1211000008 99	11.12.2024		
				TOTAL	1102626699.00	ICICR42024 1211000008 99	11.12.2024		
1				DFO,(Chatra south) vide letter No:61 dated 07.01,2025	82,10,67,915.00	ICICR42025 0127000015 15	27.01.2025		
		4	CA	DFO (Hazaribagh West)vide letter no:216 dated 10.01.2025	54.51,52,565.00	ICICR42025 0127000015 15	27.01.2025		
				DFO,Chatra South Forest Division vide later no :81 dated 15.01.2025	27,73,98,900.00	ICICR42025 0127000015 15	27.01.2025		
				DFO Chatra (South) vide Ltr No:2343 dated 29.11.2024	37,07,26,000.00	ICICR42025 0127000015 15	27.01.2025		
		5	CAT	DFO Hazaribagh (West) vide Ltr No:5987 dated13.12.2024	10,98,66,000.00	ICICR42025 0127000015 15	27.01.2025		

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				De-	DFO Chatra (South) vide the Ltr.No.2345 Dtd.29.11.2024	2,66,38,000.00	ICICR42025 0127000015 15	27.01.2025
			6	Siltation	DFO Hazaribagh (West) vide their Ltr.No.5989 Dtd.13.12.2024	4,34,41,000.00	1CICR42025 0127000015 15	27.01,2025
ľ				11.1	TOTAL	219,42,90,381.00	ICICR42025 0127000015 15	27.01.2025
				Total Ar	nount Paid	329	69,17,080.40	
		P	Cop	y of AdHo	c CAMPA Levie	s Format is enclo	sed as Annex	ure-22
.1	2	Following activities, as per approved plan / schemes, shall be undertaken in the lease area by the User Agency under the supervision of the State Forest Department. Approved scheme/plan shall be submitted to the Ministry along with compliance of Stage-I approval:	carri mitij Und encl	ed out as gative meas ertaking in osed as Ann	per the approve ure and Top Soil M this regard and T exure-23 &Annex		d report on S repared by CM Soil Managen	Soll erosion APDIL nent Plan is
i.		Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three year with effect from the issue of Stage II clearance in accordance with the approved Plan in consultation with the State Forest Department;						-24(i)
	1	Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme;	An	undertaki	ng in this rega	rd is attached a	s Annexure	-24(ii)
1	iii	Construction of check dams, retention /toe walls to arrest sliding down of the excavated material along	An	undertaki	NA.	rd is attached a	s Annexure	-24(iii)
		PROJECT OFFICER			Mukesh	Kumar LF.S		

CHANORAGUPT OPEN CAST PROJECT ANIZAPALI-CHANDRAGUPT AREA, CO. Divisional Forest Officer Chatra South Forest Division

	the contour in accordance with the approved scheme;	
īv	Stabilize the overbanden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose	An undertaking in this regard is attached as Annexure-24(tv)
	at any given place is less than 280; and	
v	No damage shall be caused to the top-soil and the user agency will follow the top soil management plan.	An undertaking in this regard is attached as Annexure-24(v)
12	User agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100 meter from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEF&CC before Stage-II Clearance;	their Ltr.No.2117 Dtd.25.10.2024 of Rs 4,86,75,085.00. Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-25 & Annexure-26 Further Chandragupta Project, CCL undertakes to pay the deficit amount if any in respect of SMCP at the time of Stage-II compliances.
13	Safety Zone Management: Following activities, at project cost, shall be undertaken by the user agency for the management of safety zone as per relevant guidelines issued by the Ministry's guidelines:	
	User agency shall ensure demarcation of safety zone (7.5 meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by creeting adequate number of 6 feet high RCC broadary pillars	Chandragupt OCP undertakes that the Demarcation of safety zone (7.5meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by creeting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department shall be done after transfer of Forest Land. An Undertaking in this regard is attached as Annexure-28
	 Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division 	PROJECT OFFICER CHANDRAGUPT ADEN CAST PROJECT AMRAPALI-CHANDRAEUPT AREA CCL

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	inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department;	
11.	Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced by the user agency;	Chandragupt OCP undertakes that the proper fencing of the Safety Zone of the mining lease, adjacent to habitation/ roads shall be implemented. Undertaking in this regard is attached as Annexure-29
III.	Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Deptt	Chandragupt OCP undertakes that the Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Department. Undertaking in this regard is attached as Annexure-30
iv	The State Government and the user agency shall ensure that safety zone is maintained as per the prescribed norms;	Chandragupt OCP undertakes that the user agency shall ensure that safety zone is maintained as per the prescribed norms; Undertaking in this regard is attached as Annexure-31
14	The R&R Plan shall be implemented as per the R&R Policy of State Government in consonance with National R&R Policy,	The R&R Plan shall be implemented as per the approved R&R Policy of Coal India Limited. Copy of approved R&R plan enclosed as Annexure-32
	Government of India before the commencement of the project work and implementation. The said R&R Plan will be monitored by the State Government/Regional Office of MoEF&CC along with indicators for monitoring and expected observable milestones;.	Undertaking in this regard attached as Annexure - 33
15	The User Agency shall prepare a list of existing village tanks and other water bodies with GPS co- ordinates located within five km from the mine lease boundary. This list is to be	The De-Siltation Plan of Chandragupt OCP has been approved by PCCF-HoFF GoJ vide Office order No.173 dated 28.11.2024. The approval copy as enclosed as Annexure-34 Payment of Rs. 219,42,90,381/ has been made in "Ad-hoc CAMPA" vide UTR No.ICICR4202501270001515 dt 27.01.2025
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	10	Mukesh Kumar LF.S

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	duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for de-silting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF& CC	Out of this, Rs 7,00,79,000/- is for SMC plan. Payment has been made in accordance with the approved plan and subsequent demand issued by DFO Chatra (South) vide the Ltr. No.2345 Drd 29,11,2024 CC1, deposited
16	before Stage-II approval; The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. Also the trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of	Agreed Chandragupt OCP undertakes to explore the possibility of translocation of maximum number of trees identified to be felled and shall also ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. Also, the trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of concerned DFO. Undertaking in this regard is attached as Annexure-38
17		Agreed. Chandragupt OCP undertakes to deposit the costs associated with tree felling as required by the State Forest Department An Undertaking in this regard is attached Annexure-39
18	The User Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof	Agreed. Chandragupt OCP undertakes that the mining operation and reclamation of mined out area will be done as per the approved Mining Plan/Mine closure Plan. Undertaking in this regard is attached Annexure-40.
	PROJECT OFFICER	Kesh Kumar LF.S mal Forest Officer th Forest Divisio

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	shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the concern Addl. Principle Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily executed;	
19	The User Agency shall comply with the Hon'ble Supreme Court order on regrassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a timely manner;	Agreed. Chandragupt OCP undertakes to comply with the Hon'ble Supreme Court order on re-grassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fiama, etc. in a timely manner; An Undertaking in this regard is attached Annexure-41
20	Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under	Agreed An Undertaking in this regard is attached Annexure-42
21	The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;	Environmental Clearance for Chandragupt OCP is granted by MoEF&CC vide File No: IA-J-11015/43/2021-IA-II(M) Dated 02.01.2025. Copy of EC is attached as Annexure-43

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT ANDR. C Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

22	No labour camp shall be	
	established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;	Agreed An Undertaking in this regard is attached Annexure-44
23	The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates;	Agreed Chandragupt OCP Undertakes that the boundary of the diverted fores land, mining lease and safety zone, as applicable, shall be demarcated or ground at the project cost, by erecting four feet high reinforced cemen concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates; An Undertaking in this regard is attached Annexure-45
24	The layout plan of the mining plan/ proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal;	Agreed An Undertaking in this regard is attached Annexure-46
25	The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government;	
26	No damage to the flora and fauna of the adjoining area shall be caused;	Agreed An Undertaking in this regard is attached as Annexure-48
27	The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to	

	this project, if any, for the time being in force, as applicable to the project;	
28	The User Agency shall submit the annual self - compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly;	
29	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of ferests & wildlife shall be carried with by the State Government and user agency;	Agreed An Undertaking in this regard is attached Annexure-51
30	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019.	Agreed An Undertaking in this regard is attached Annexure-52

You are requested to kindly consider the compliance and forward the proposal.

Thanking you

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Yours Faimfully \$

Project Officer Chandragupt OCP CHANDRAGUCICIZEN CAST PROJECTAN AMRAPALI-CHANDRAGUPT AREA, CU.

	List of Annexures
Annexures	Description
Annexure-1	Undertaking for Condition-1(Legal status of the Forest Land shall remain unchanged)
Annexure-2	Corresponding letters to concerned DFO(Hazaribagh&Chatra) reg.Justification for recommending the FC proposal as considering DDFL for CA purpose aling with latest guidelines issued by MoEF&CC on dt 17.12.2024
Annexure-3	Site Inspection Report by IRO, MoEF&CC, Ranchi dated 08.02.2024
Annexure-4	Demand Note Ltr 61 dated 04.01.2025&Ltr 81 dated 15.01.2025 from DFO Chatra (South) and Demand Note Ltr 216 dated 10.01.2025 from Hazaribagh (West) regarding CA Land
Annexure-5	Payment details of CA Land of Chandragupt OCP.
Annexure-6	Undertaking for condition-2(iii)(reg. to pay the deficit amount, if any, in respect of Compensatory Afforestation from the money already realized by State Forest Dept.)
Annexure-7	Demand Note Ltr 1129dated31.05.2024 from Chatra (South and Demand Note Ltr 3331 dated 04.06.2024 from Hazaribagh (West) regarding NPV
Annexure-8	Payment details of NPV of Chandragupt OCP
Annexure-9	Undertaking for Condition-3(ii) (the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India).
Annexure-10	Demand Note Ltr 2118 dated 25.10.2024 from DFO Chatra South regarding SSWLCP
Annesure-11	Payment details of SSWLCP of Chandragupt OCP.
Annexure-12	Undertaking for Condition-4 (Site-Specific Wildlife Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency)
Annexure-13	Approval copy of CAT Plan
Annexure-14	Demand Note Ltr 2343 dated 29.11.2024 from DFO Chatra South&Demand Ltr S987 dated 13.12.2024 from DFO Hazaribagh West regarding CAT
Annexure-15	Payment details of CAT Plan of Chandragupt OCP.
Annexure-16	Copy of Top Soil Management Plan
Annexure-17	Undertaking condition -6(Top Soil Management Plan as recommended by the State shall be prepared and implemented at the cost of the user agency)
Annexure-18	Undertaking condition-7(No mining shall be carried within 60 mtrs from the HFL of the Barki River, and green belts as per norms shall be maintained around the other water bodies)
Annexure-19	Copy of the request letter to Chief Engineer,WRD, Hazaribagh
Annexure-20	Undertaking for condition:8regarding that the diversion will be carried after approval of the competent authority only $(A \& B)$
Annexure-21	Undertaking for condition:9(reg.to prepare a human-elephant conflict mitigation plan which will be funded by the User Agency and will take necessary measure to mitigate drivers of negative human-elephant conflicts and paying timely compensations and ex-gratia;
Annexure-22	Copy of AdHoc CAMPA Levies Format
Annexure-23	Undertaking condition no:12
Annexure-24	Copy of the Report of Top Soil Management.
Annexure-24(i)	Undertaking condition no:12 (i)
Annexure-24(i)	Undertaking condition no:12(i)
Annexurend(ii)	Undertaking condition no: 12 (iii)

2.

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division CHANCKAGET OF AREA CA.

Annexure-4(iv)	Undertaking condition no:12(iv)
Annexure-4(v)	Undertaking condition no:12(v)
Annexure 25	Demand Note Ltr 2117 dated 25.10.2024 from DFO Chatra South for SMC
Annexure-26	Copy of payment details of receipts
Annexure-27	Undertaking regarding that the plan for plantation and SMC activities will be prepared and submitted to MoEF&CC before Stage-II Clearance;
Annexure-28	Undertaking for condition-13(i)(reg.demarcation of safety zone, its fencing, protection and regeneration)
Annexure-29	Undertaking for condition-13(ii)(reg. fencing of safety zone boundary)
Annexure 30	Undertaking for condition-13(iii)(reg. safety zone shall be maintained as green belt)
Annexure-31	Undertaking for condition-13(iv)(reg. maintaining of Safety zone as per prescribed norms)
Annexure-32	Copy of the approved R&R Policy of CIL
Annexure-33	Undertaking condition:14(reg. The R&R Plan will be monitored by the State Government/Regional Office of MoEF&CC
Annexure-34	Conv of approval of De-siltation Plan
Annexure-35	Demand Note Ltr 2345 dated 29.11.2024 from DFO Chatra South & Demand Ltr 5989 dated 13.12.2024 from DFO Hazaribagh West regarding De-Siltation Plan
Annexure-36	Copy of Payment details of receipts for De-Siltation.
Annexure-37	Undertaking of condition: 15(reg. desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies.
Annexure-38	Undertaking for Condition:16(reg.to explore the possibility of translocation of maximum number of trees)
Annexure-39	Undertaking for Condition:17(reg, the cost of felling of trees shall be deposited by the User Agency with the State Forest Department)
Annexure-40	Undertaking for condition:18(reg. Mining in a phased manner after taking due care for reclamation of the mined over area.
Annexure-41	Undertaking for Condition: 19(rcg, Re-grassing the mining are and any other areas which may have been disturbed due to mining)
Annexure-42	Undertaking for condition-20 reg, period of diversion of forest land)
Annexure-43	Copy of Environmental Clearance to Chandragupt OCP dated:02.01.2025
Annexure-44	Undertaking for condition-22[reg. No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site)
Annexure-45	Undertaking for condition-23(reg. The boundary of the diverted forest land, mining lease
Annexure-46	Undertaking for condition-24(reg. layout plan of the mining plan/proposal shall no be changed without the prior approval of the Central Government)
Annexure-47	Undertaking for condition-25[reg. diverted forest land shall not be transferred to any other agency]
Annexure 48	Undertaking for condition-26(reg. Protection of Flora and Fauna)
Annexure-49	Undertaking for Condition-27(reg. Compliance to provision of all Acts, Rules, Regulations& Guidelines)
Annexure-SD	Undertaking for Condition-28/reg. Annual Sclf-Compliance Report
Annexure-51	 Undertaking for Condition-29(reg. Conservation, Protection and Development of Forests & Wildlife)
Annexure-52	Undertaking for Condition-30(reg. Violations of Forest(Conservation)Act,1980.

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Mukesh Kumar I.F.S Divisional Forest Officer Chara South Forest Division

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AVIRAPALI-CHANDRAGUPT AREA, CO.

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Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-1

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District & Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-1

Chandragupt OCP undertake that "The legal status of forest land shall remain unchanged.".

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Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Projection Chandragand Open Cas ANRAPALICHANDRAG

npexure-2

Government of India Ministry of Environment, Forest and Climate Change (Forest Conservation Division)

Indira Paryavaran Bhawan, Aligani, Jor Bagh Road, New Delhi: 110003 Dated: December, 2024

To

The Addi. Chief Secretaries of Forests/Principal Secretary (Forests), All States Governments and Union territory Administrations

Sub: Streamlining of the approval process with regards to compensatory afforestation as envisaged in the Van (Sanrakshan Evam Samvardhan) Rules, 2023 as amended on 20.09.2024 - reg.

Madam/Sir,

I am directed to refer to the above subject and to inform that based on the references received from the Ministry of Mines, and Ministry of Coal, the provisions related to raising of compensatory afforestation, as envisaged in the Van (Sanrakshan Evam Samvardhan) Rules, 2023 as amended on 20.09.2024, have been reviewed by the Ministry and after due deliberations, the Central Government, in accordance with the provisions of section 3C of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 hereby issues the following clarifications:

- Provisions of Rule 14(1) of the Van (Sanrakshan Evam Samvardhan) Rules, 2023, provides that the non-forest land identified for raising Compensatory Afforestation (CA) is to be notified as Protected Forests before final approval (Stage-II) approval is granted by the Central Government. However, in cases where non-forest land identified for CA has been transferred and mutated in favour of the State Forest Department (SFD), the Central Government may accord final approval keeping in view the fact that provisions of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 become applicable on such lands being entered as forest in government record/record of rights.
- ii. In such cases, referred in para (i) above, the non-forest land forest land proposed for CA, shall be notified as Protected Forest under section 29 of the Indian Forest Act, 1927 of local forest Act before handing over of forest land to the User Agency by the State Government. The Nodal Officer, after notification of such non-forest lands, shall upload a copy of said notification on the PARIVESH portal.
- For the purpose of rule 13(4)(a) of the States or Union territory Administrations, having forest area more than 33% of their total geographical area, concerned State Government/UT Administrationmay authorise a suitable officer to issue certificate of non-availability of the suitable non-forest land for raising CA.
- iv. As per the provisions of the Van (Sanrakshan Evam Samvardhan) Amendment Rules, 2024, projects of Central Government entities/CPSU and captive coal blocks of the State PSUs are eligible for raising CA over degraded forest land which will be double in extent of the forest land being diverted. Accordingly, the State Government/UT shall not insist for providing non-forest land as CA unless in cases wherein the Central Covernment

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Mukesh Kumar **Divisional Forest Officer** Chatra South Forest Division

Agencies/CPSUs or State Government PSUs with captive coal blocks are forthcoming to provide non-forest land available with them as CA or the State Government/UT Administration is willing to provides non-forest land on such terms and condition which is agreed by the Central Government Agencies/CPSUs or State Government PSUs in case of captive coal blocks.

- v. With regards to the applicability of the provisions of the Van (Sanrakshan Evam Samvardhan) Amendment Rules, 2024 in respect of proposals of the Central Agencies/PSUs and captive coal blocks of the State PSUs which were granted 'in-principle' approval stipulating CA over non-forest land, the following clarification is given in this regard:
 - a. Proposals, which were submitted by the States/UTs before notification of Van (Sanrakshan Evam Samvardhan) Amendment Rules, 2024, along with the proposal of raising CA over degraded forest land (DFL) and were granted 'in-principle' approval stipulating CA over non-forest land (NFL), shall be allowed to submit compliance of 'in-principle' approval along with CA proposal over DFL in lieu of NFL. The Central Government will consider and grant final approval in such cases stipulating CA over DFL.
 - b. Proposals, which were submitted by the States/UTs along with CA proposal over non-forest land and were granted 'in-principle' approval stipulating CA over non-forest land (NFL), can also be allowed to submit compliance of 'in-principle' approval along with CA proposal over DFL provided the non-forest land proposed for CA is not transferred and mutated in favour of the State Forest Department. In such cases, the Central Government or its Regional Office, based on the request of the State/UT Government or user agency, shall amend the condition of in-principle approval to raise CA over DFL on a case to case basis and subsequently the User Agency shall submit the compliance of in-principle for the obtaining the 'final' approval.

In view of the above, the State Government and Union territory Administrations are requested to take into consideration the guidelines mentioned hereinabove while considering the proposals submitted under section 2 of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980.

This issues with the approval of the competent authority.

Yours faithfully,

1/30886/2024

Signed by Charan Jeet Singh Date: 17-12-2024 13:56:41 (Charan Jeet Singh) Scientist 'E'

Copy to:

- 1. Director, PMO, South Block, New Delhi
- Secretary, Ministry of Mines /Coal /Steel/ Power/ Railways/ MoRT&H/ Defence/MHA
- 3. Secretary, Ministry of Defence, Government of India
- Principal Chief Conservator of Forests & HoFF, All States Governments and Union territory Administrations

5. Dy Director General of Forests (Central) All Regional Offices of the MoEF&CC

Mukash Kumar J.F.S.M. Divisional Forest Linestone Mark Strate Forest Division

him



Letter No.:-

Office of Divisional Forest Officer, Chatra South Forest Division, Chatra. E-mail:- dfe-shatramouth@pov.in Phone:-8987790213

Date :-

07/01/2025



To,

Project Officer, Chandragupt OCP, Amrapali- Chandragupt Area, VTC Bhawan, Honhe, Tandwa,Chatra.

GI

Subject:-

 Demand letter for depositing levy for CA against 702.29 (593.05+109.24) forest land for Chandragupt Open Cast Mining project in favour of M/s Central Coalfield Limited(CCL).

Ref:- Office order tisti-01/40040-30/2020-21 R+ff@ 08.08.2024 of Additional Principal Chief Conservator of Forest Development, Jharkhand, Ranchi, and Letter no. -08 dated -02.01.2025 of PCCF-Cum-ED, Nodal, Jharkhand, Ranchi, and Your letter no.- GM(AC)/PO(Chandragupt)24-25/293 dated 18.12.2024.

Kindly refer the letter in the reference where in principle approval has been accorded to the captioned project subject to certain conditions.

A. As per condition No.2(i) of the said letter,

The user agency shall provide suitable non-forest land equivalent to the forest land proposed to be diverted for the purpose of compensatory afforestation. The said land shall be transforred and mutated in the name of the forest department and notified as protected forest under the provisions of India forest act, 1927 or the state specifies laws:

With reference to the above conditions and as per latest guidelines (letter no-FC-11/158/2024-FC dated-17-12-2024) of McEF&CC,GOL Para 5(i) of the said letter states that "Proposals, which were submitted by the States/UTs before notification of Van (Sanrakshan Evam Samvardhan) Amendment Rules, 2024, along with the proposal of raising CA over degraded forest land (DFL) and were granted 'in-principle' approval stipulating CA over non-forest land (NFL), shall be allowed to submit compliance of 'in-principle' approval along with CA proposal over DFL in lieu of NFL. The Central Government will consider and grant final approval in such cases stipuloting CA over DFL".

- B. In compliance of the above-mentioned condition of stage-I approval and latest guideline of MoEF&CC, GOI a demand note for CA proposed for diversion of forest land \$93.05 ha in Chatra South Forest Division of Ra.68,75,81,579.00(Sixty-Eight Crore Seventy-Five Lac Eighty-One Thousand Five Hundred and Seventy-Nine only) and Rs.13,34,86,336.90(Thurteen Crore Thirty- Four Lac Eighty-Six Thousand Three Hundred and Thirty-Six only) for CA proposed for diversion of forest land 109.24 ha comes under Hazaribagh West Division is being raised.
- C. Therefore it is requested to deposit the above mentioned amount i.e. Rs.82,10,67,915.00(Eighty-Two Crores Ten Lac Sixty-seven Thousand Nine Hundred and Fifteen only) for Chatra South Forest Division and Hazaribagh West Forest Division in CAMPA Account. The amount should be deposited to CAMPA Fund only through e-portal (<u>https://parivesh.nic.in</u>) and copy of challan/receipt shall be sent to this office for records.

OPEN CAST P

Sent for necessary action.

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AMRAPALI-CHANORAGUE

Mukesh Kumar LF.S Your faith Difficient Forest Officer Chatra South Forest Divisio

2025

-	Annexure-4
	Office of Divisional Forest Officer, Chatra South Forest Division, Chatra.
To,	Letter No 81 Dillo: 15-01-2025
	Project Officer, Chandragupt OCP, Amrapali- Chandragupt Area, VTC Bhawan, Honhe, Tandwa, Chatro.
Subject:-	Demand lotter for depositing lovy for CA against 209 ha, forest land for Chandragupt Open Cast Mining project in favour of M/s Central Coalfield Limited(CCL).
Ref-	 Stage-I/In principal approval for forest Clearance received from MoEF & CC, Dated: 27.05.2024, Office order vfeze-01/vfloup-00/2020-21 ftrifes 08.08.2024 of Additional Principal Chief Conservator of Forest Development, Jharkhand, Ranchi, and Letter no08 dated -02.01.2025 of PCCF-Cum-ED, Nodal, Jharkhand, Ranchi, Divisional Forest Officer, Chatra North Forest Division Letter No. 100 Dated 09.01.2025
captioned pro	Kindly refer the letter in the reference where in principle approval has been accorded to the ject subject to certain conditions. r condition No.2(i) of the said letter,
	The user agency shall provide suitable non-forest land equivalent to the forest land proposed to be diverted for the purpose of compensatory afforestation. The said land shall be transferred and mutated in the name of the forest department and notified as protected forest under the provisions of India forest act, 1927 or the state specifies laws:

With reference to the above conditions and as per latest guidelines (letter no-FC-11/158/2024-FC dated-17-12-2024) of MeEF&CC,GOI. Para 5(i) of the said letter states that "Proposals, which were submitted by the States/UTs before notification of Van (Sanrakshan Evan Sanwardhan) Amendment Rules, 2024, along with the proposal of raising CA over degraded forest land (DFL) and were granted 'in-principle' approval stipulating CA over non-forest least (NFL), shall be allowed to submit compliance of 'in-principle' approval along with CA proposal over DFL in lieu of NFL. The Central Government will consider and grant final approval in such cases stipulating CA over DFL",

Through reference letter Divisional Forest Officer, Chatra North Forest Division has forwarded Estimate in this division for demand of area 209 ha for Nannischus PF comes under Hunterganj range,

- B. In compliance of the above-mentioned condition of singe-I approval, intest guideline of MoEF&CC,GOI and a letter of DFO North a demand note for CA proposed for diversion of forest land 209 ha in Chatra North Forest Division of Rs. 27,73,98,900.00 (Iwenty Seven Crore Seventy-Three Lee Ninety-Eight Thousand Nine Hundred only) comes under Chatra North Division is being raised.
- C. Therefore it is requested to deposit the above mentioned amount i.e. Rs. 27,73,98,900.00 (Twenty Seven Crore Seventy-Three Lac Ninety-Eight Thousand Nine Hundred only) for Chatra North Forest Division in CAMPA Account. The amount should be deposited to CAMPA Fund only through e-portal (<u>https://parivesh.nlc.in</u>) and copy of challan/receipt shall be sent to this office for records.

Sent for mocessary action Inlin

Enclosure 1- Estimate attached.

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division Divisional Forest Officer Chains South Forest Division, Chains

one faithfully.

IN. PROJECT OFFICER CHANORAGUPT OPEN CAST PROJE

Passa 25

D//Map Section 2038-19\CA Domand Letter/Knglinis Letter

												N	Mukesh Kumme LF.S	Divisional Forest Officer Chatta South Forest Division		The second secon
: 825321		: Rs. 1643619381/-	: Rs. 0/-	: Rs. 0/-	: Rs. 480592000/-	: Rs. 0/- : Rs. 0/-	: Rs. 0/-	: Rs. 70079000/-	: Rs.D/-	: Rs.0/-	: Rs.0/-	: Rs. 2194290381/-	mentioned payment after	(System Administrator)	acco do not realo ***	Charles
Fincode	Funds Demand Details	1. Compensatory Afforestation 2. Additional Compensatory	Afforestation	3. Penal Compensatory Afforestation	Area Treatment	5. Sarety Zone 6. Additional Charges for protected area	7. Net Present Value (NPV)	8. DE-SILTATION	9. Other Charges1		11. Other Charges3	Total Amount	User Agency is requested to make above mentioned payment after generating challan through the system.		*** This is a system generated amail inlease do not really ***	

Annexure-5

Email			Sanjeev Kumar
Email Alert From System Ad	iministrator of Online Subr	Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal	s Proposal(OSMFCP) portal
From : monitoring-fc@nic.in Subject : Email Alert From System Proposal(OSMFCP) portal To : po chandragupta <po.cha Cc : monitoring-fc@nic.in</po.cha 	am : monitoring-fc@nic.in act : Email Alert From System Administrator of Online Su Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	From : monitoring-fc@nic.in Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	Wed, Jan 22, 2025 04:08 PM
	This is to acknowledge that de Agency have been verified by Nod Detail of Proposal are given below.	This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.	
	Propsal Detail		
	1, Proposal No. 2, Proposal Name	: FP/JH/MIN/140599/2021 : CHANDRAGUPT OCP	
Owner Context Access Orders	3. Category of the Proposal	: Mining	
Protect vote a second a second second	4. Date of In-principle 5. Name of the Applica	4. Date of In-principle : 09/04/2021 5. Name of the Applicant with Contact Details	
Makeab Kumar LFS	Name Mobile No.	: CHANDRAGUPT OCP : 8987784169	R
Divisional Forest Officer Chairs South Forest Division	Email ID	; po.chandragupta@coalindi ; a.in	AND A CONTRACTOR OF A CONTRACT CONTRACT CONTRACTOR
	State	: Jharkhand	AMPLATER



Date-27-01-2025

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Dote
1	JHARKH AND CAMPA	21942903 81.00	15072581405 99331	UBIN099 6335	ICICR4202501270 0001515	27- 01- 202 5

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guarantor or otherwise.

This certificate is issued at the specific request of the sold customer.

Regards Autrorised S

ICICI Bank-Ltd Ratu Road Ranchi -834001

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Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

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Regd. Office : ICICI Bank Tower, Near Chakfi Circle, Old Padra Road, Vadodara 390 007, India.

ICICI Bank Limited Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi- 834001, Jharkhand, India

Website www.icicibank.com CIN: L65190GJ1994PLC021012 Annexure 22

PROFORMA FOR VERIFICATION OF DEPOSITS IN COMPENSATORY AFFORESTATION FUND/SUMMARY OF PAYMENT Chandragupt OCP (699.38 Ha)

SM Column 1 Column 2 1 Name of Regional Office Integrated Regional office Integrated Regional office 3 Name of User Agency, Name of Proposal Integrated Regional office Integrated Regional office 3 Name of User Agency, Name of Proposal Extend to Chargency of Proposal Integrated Regional office 4 Name of User Agency, Name of Proposal Extend to Chargency of Proposal Extend Confiders Intelloc, Control of Science Extend Confiders Intelloc, Control of Science Extend of Control of Science <td< th=""><th></th><th>Chantragupt CCL (V22429 Lts)</th><th></th></td<>		Chantragupt CCL (V22429 Lts)	
Name of Regional Office State/District/Forest Division to, which the proposal relates State/District/Forest Division to, which the proposal relates Name of User Agency, Name of Proposal Name of User Agency, Name of Proposal Nature of Caragory of Proposal Number or Caragory of Proposal Proposal No. Extent or CAMPA Charges, head wise viz. Dated of its Sage class Date station Oronpensatory afforestation Oronpensatorest rest reatment Obe-Siftrat	z	Column 1	Column 2
State/District/Forest Division to which the proposal relates Name of User Agency, Name of Proposal Name of User Agency, Name of Proposal Name of Caregory of Proposal Nature of Caregory of Proposal Nether of gional of caste, please clarify if proposal Involves additional forest area and if so specify Unded of 14: Stage cleanance Extent of Its Stage cleanance Extent of Caregory afforestation Option of last stage cleanance Extent of Caregory afforestation Option of last stage cleanance Extent of Caregory afforestation Option of last stage cleanance Extent of Carefore of last stages Data Compensatory afforestation Option of last stages DecSiltation Film Option of last stages Option of last stages Siltation Film Option of last stages DecSiltation Film Option of last stages Display other charges DecSiltation Film On Auditional clauges Siltation Film DecSiltation Film DecSiltation Film De		Name of Regional Office	Integrated Regional office Ranchi
Name of User Agency, Name of Proposal Name of User Agency, Name of Proposal Name of Caregory of Proposal Number of Caregory afforestation Number of Caregory afforestation Decompensatory afforestation Decomplement compensatory afforestation </td <td></td> <td></td> <td>Jharkhand/Chatta&Ha2anbagh/Chatra South & Hazanitagh West</td>			Jharkhand/Chatta&Ha2anbagh/Chatra South & Hazanitagh West
Nature of Category of Proposal Proposal No. Extent of Forest Area involved Whether original or cotension Whether original or cotension If the extension of lease, please clarify if proposal involves additional forest area and if so specify Dated of 1st Stage clearnoc Extent of CAMPA Charges, head wise viz. Dated of 1st Stage clearnoc Extent of CAMPA Charges, head wise viz. a) Compensatory afforestation b) Additional compensatory afforestation c) Penal compensatory afforestation d) Catebraret area treatment a) Compensatory afforestation b) Additional compensatory afforestation c) Penal compensatory afforestation c) Penal compensatory afforestation d) Catebraret area treatment a) Compensatory afforestation b) Additional followal elanges for diversion of area failing under notified/protected area. f) Additional Plan. f) Additiona		Nume of User Agency, Name of Proposal	Central coalifields limited, Chandragupt Opencast Mining Project
Proposal No. Excent of Forest Area involved Excent of Forest Area involved Excent of Society o		Nature of Category of Proposal	Mining
Extent of Forest Area involved Extent of Forest Area involved Whether original or extension If the extension of lease, please clarify if proposal involves additional forest area and if so specify Duried of 1st Stage clearance Extent of Charges, head wise viz. Extent of Charges, head wise viz. Additional compensatory afforestation Additional clauges for diversion of area falling under notified/protected area. Additional clauges for diversion of area falling under notified/protected area. Additional clauges for diversion of area falling under notified/protected area. By Net present value By Net present value By Net present value I. Additional clauges/levies (please specify) Safety Zoue+ Forest Ponel NPV N I. Fenal NPV I. Soil and Moisture Conservation Plan (SMC) (@ 0.5% of Project Cost)		Proposal No.	FP/JH/MIN/140599/2021
Whether original or cotension Whether original or cotension If the extension of lease, please clarify if proposal involves additional forest area and if so specify Dated of 1st Stage clarance Extent of CAMPA Charges, head wise viz. a) Compensatory afforestation b) Additional compensatory afforestation b) Additional compensatory afforestation b) Additional compensatory afforestation c) Pread compensatory afforestation b) Additional compensatory afforestation c) Pread compensatory afforestation d) Catchinent areas treatment e) Description Plan f) Additional biomeratory afforestation f) Additional clarges for diversion of area falling under notified/protected area f) Catchinent areas treatment c) Presson transaction Plan f) Additional fallings f) fractore relation f) fractore relation f) fractore relation f) Catchinent areas treatment g) Net present value f) Addition Plan g) Net present value f) franchment areas treatment g) Net present value f) franchment details of clual area	1	Extent of Forest Area involved	699.38 Ha
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and through challan or otherwise in case of online payment, details of challan [Attached]		Total ==	Rs 329,69,17,080.40
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	E	Sien of DFO (Chaira Scuth)	est) Signof Nodal Officer
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PROJECT OF NOLECT CHANDRAGUNT OF EN CAST FROLECT ANSARALECH URSAICHT AETA CO

Mukesh Kumar I.F.S Divisional Forest Officer Charra South Forest Division

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SL Type of Deposit No (NPV/CA/WM P/Others)Specif	z	2 WI	т 8		5	6 De-S	Sign of Usets Agency
Type of Deposit (NPV/CA/WM P/Others)Specify	NPV	WLCP	SMC	5	CAT	De-Siltation	ancy.
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Amount Deposit (Rs.)	85,92,51,274,00	19,47,00,340,00	4,86,75,085.00	164,36, 19,381.00	480592900.00	00'000'62'00'2	Signof DF
Dated of Deposit	11.12.2024	11.12.2024	11.12.2024	27.01.2025	27.01.2025	27.01.202 5	Sign.of DFO (Hazaribagh West)
Name of Bank from which amount transferred to account of CAF	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	Vest)
Bank Account of CAF managed by CAMPA in which fund deposited.	CAF Account Iharkhaud (A/C No1507258140599645) Union Bank of India Renach Jelina Tawers, Mission Road, Bengalura- 560627	CAF Account Ihurkhand (A/C No1307258140399645) Uniteo Burk of Indla Branch Jelitra Towers, Mission Road, Bengalterr- 560027	CAF Account Ihutibard (A/C Not 507258140599615) Union Back of India Beauch Jelita Tawers, Mission Read, Bengalura 560027	CAF Account Barkhood (A/C No1507258140595(45) Union Bark of Iodia Branch Jolita Towers, Minsian Road, Bengalau- S60027	CA? Account Jharkhand (A/C No1507258140599545) Union Busk of India Branch Jelens Towers, Mission Road, Bergaiaru- 560027	CAF Account Darkhard (ArC No.1307258140599845) Union Bark of Issie Branch Kellen Towers, Minsion Road, Bengalura- 560027	Sign.of.Nodal Officer

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CAMPA LEVIES FORM (Chandragupt OCP-699.38 Ha). Name of Particulars Chaitra South Forest West Payment Made Forest Division Hazaribagh Payment Made to CAMPA Particulars Chaitra South Geneat West Division Hazaribagh Payment Made to CAMPA Payment Made to CAMPA Particulars Chaitra South Geneand Raised Hazaribagh Payment Made to CAMPA Payment Made to CAMPA NPV 49,26,15,446.40 36,66,35,828.00 85,92,51,274.00 Account Total NPV 49,26,15,085.00 NA 19,47,00,340.00 NA 19,47,00,340.00 WLCP 19,47,00,340.00 NA 19,47,00,340.00 NA 4,85,75,085.00 SMC 4,86,75,085.00 NA 4,85,75,085.00 19,47,000,340.00 CA 82,10,67,915.00 NA 4,85,75,085.00 10,6,62,20,481.00 CA 82,10,67,915.00 84,51,52,566.00 136,62,20,481.00 10,6,62,20,481.00 CA 82,10,73,98,900.00 NA 27,73,98,900.00 10,98,65,000.00 136,62,20,481.00 De- De- 2,66,38,000.00 4,34,41,000.00 7,00,79,000.00 20,17,080.00
Name of Particulars NPV WLCP SMC CA CA CA CA CA De- Siluation TOTAL DEMAND

54 14 Sign.of UserAgency Signal Dr Qicharts Synth) Sign PhOLEOT OPTIMAR Divisional Forest Officer Antea Paul Countrie PEOLECT Divisional Forest Officer

Sign of DFO (Hazaribagh West) Sign of Nodal Officer

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đ 2 PROJECT OFFICER CHANDERGUPT OFFICAGE PROJECT ANDARA CONVOLUCIENCIAL CO.

Sign.of User Agency

Sign of DFO(Chaira South) Mukesh Kumar LFS Divisional Forest Officer

Chatra South Forest Division

Sign.of DFO (Hazaribagh West)

Sign.of.Nodal Officer

k



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-6

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District & Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-2(iii)

Chandragupt OCP undertake that ". To pay the deficit amount, if any, in respect of Compensatory Afforestation from the money already realized by State Forest Dept.), ",

Chandra

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division



Office of Divisional Forest Officer, Chatra South Forest Division, Chatra mil: dfo-chatrasouth@gov.in Phone: 8987790213

E-mail: dfo-chatrasouth@gov.in Letter No. 112.9./

Date: 31/05/2024

To,

Project Officer, Chandragupt OCP, Amarpali Chandragupt Area, CCL

Subject :- In ~ principal (Stage-I) approval of (Central Government under Forest (Conservation) Act 1980 for diversion of 699.34 ha. (400.96 ha. in Chatra South Forest Division and 298.42 ha. in Hazaribagh West Forest Division) of forest land for Chandragupt Open Cast Coal mining project in favour of M/s CCL in Jharkhand- reg.

Ref.- Ministry of Environment, Forest & Climate Change, Gol vide letter no. 8-24/2023 FC dt. 27.05.2024 & your letter no. 234 dated- 29-05-2024.

Sir,

Kindly refer the letter in the reference where in, certain conditions have been stipulated by Ministry of Environment Forest and Climate Change, GoI vide letter no. 8-24/2023-FC dt. 27.05.2024.

A. As per condition No. 3(i),

"The user agency shall transfer the funds towards the cost of net present value (NPV) of the forest land being diverted under this proposal in accordance with the MoEF & CC's guidelines dt. 06.01.2022 read with guidelines dt. 19.01.2022"

It is therefore, the demand for the payment of the NPV is hereby being raised:-

Density of forest proposed for diversion:- 0.6

Eco class :- III

Hence, applicable rate of NPV per ha: Rs. 1228590.00 (Twelve Lakhs Twenty Eight Thousand Five Hundred Ninty Rupees only)

Total for 400.96 Ha: 12,28,590.00 lakh/ha x 400.96 ha. = Rs. 49,26,15,446.40 or 49,26,15,446.00 (Forty nine crore twenty six lac fifteen thousand four hundred forty six only)

Therefore it is requested to deposit the above mentioned amount i.e Rs. 49,26,15,446.00 (Forty nine crore twenty six lac fifteen thousand four hundred forty six only) towardscost of NPV of 400.96 ha. of forest land in CAMPA Account. The amount will be deposited to CAMPA fund only through e-portal (https://parivesh.nic.in) and a copy of challan/receipt shall be sent to this office for records.

Sent for necessary action.

Mukesh Kumar LF.S Your sincerely, Divisional Forest Officer Chatra South Forest Division

CHANURAGUPT OPEN CAST

Divisional Forest Officer, Chatra South Forest Division, Chatra.

Mon, Nov 04, 2024 04:481

Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal

From a monitoring-fc@nic.in

Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances

To t po chandrepupta <pn.chandragupto@coelindia.in>

Cc : monitoring-fo@nic.in

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This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.

Propsal Detail

1. Proposal No.	: FP/3H/MIN/140539/2021
7 Demonstration	: CHANDRAGUPT OCP
3. Category of the	and the second of the
Proposal	: Mining
A Date of P.	

4. Date of In-principle : 09/04/2021

5. Name of the Applicant with Contact Details

Name Mobile No.	: CHANDRAGUPT OCP 1 8987784169
Email ID	polchandragupta@coalindi a.in
State	: Jherkhand
District	: Chabra
Pincode	1825321

Funds Domand Details

1. Compensatory Afforestation	: Rs. 0/-
2. Additional Compensatory Afforestation	: Rs. 0/-
3. Penal Compensatory Afforestation	: Rs. 0/-
4. Catchment Area Treatment	: Rs. 0/-
5. Safety Zone	- Rs. 0/-
6. Additional Charges for protected area	: Rs. 0/-
7. Net Present Value (NPV) 8. Wildlife Conservation Plan	: Rs. 859251274/- : Rs. 194700340/-
9. Soil & Moisture Conservation Plan	: Rs. 48675085/-
10. Other Charges1	: Rs.D/-
11. Other Charges2	: Rs.0/-
Total Amount	: Rs. 1102626699/-

Mukesh Kumar LF.S

Divisional Forest Officer Chatra South Forest Division

User Agency is requested to make above mentioned payment after generating challan through the system.

(System Administrator)

*** This is a system generated email, please do not reply. ***



Date-11-12-2024

TO WHOMSDEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank:-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	11026265 99.00	15072581405 99645	UBIN099 6335	ICICR4202412110 0000899	11- 12- 202 4

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guaranter or otherwise.

This certificate is issued at the specific request of the said customer.



ICICI Bank-Ltd

Ratu Road Ranchi -834001

HEN CAST PROJECT AURAPALI-CHANDRAGOPT AREA, CO.

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

ICICI Bank Limited Tower, Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi- 834001, Jharkhand, India

Website www.icicibank.com CIN.: L65190GJ1994PLC021012 Regd. Office : ICICI Bank

Near Chakli Circle, Old Padra Road, Vadodara 390 007, India.



Annexure-9

Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalifields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-3(ii)

Chandragupt OCP undertake that "The additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India."

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division Project Officer Chandragupt Open Cast Project

Annexure-10



Office of the Divisional Forest Officer, Chatra South Forest Division, Chatra. Van Bhavan Chatra E-mail :dfo-chatmsouth@gov.in Phone : 8987790213



Letter No. 2118 Dated 25

To

The Project Officer, Chandragupt OCP. Amrapali-Chandragupt Area.

Subject:

Charging of an lump sum amount of the project cost towards the cost of implementation of the Wildlife Conservation Plan against 699.38 Ha of Forest Land in respect of Stage-I obtained for mining operations of Chandragupt OCP.

Ref:

Your Letter No. GM(A-C)/PO CHANDRAGUPT/FC/2024/271 dated 19.10.2024.

Sir,

Through above mentioned letter, a request has been made that, as per MoEF&CC,GoI Guideline dated 7th June, 2022, in cases where it is not possible for the state to submit the compliance due to delay in preparation and approval of such plan, a lump sum quantum of project cost may be realized from the User Agency and submitted along with the Stage-I compliance.

Accordingly, It has been requested to raise a demand of indicative amount equal to 2% of the project cost for implementation of Wildlife Conservation Plan as mandated under the principle approval of the project. The estimated cost of project has been mentioned to be 973.5017 Crore in part A-1(vii) of part-I.

Therefore, it is requested to deposit the indicative lump sum amount of Rs. 19,47,00,340.00 (2% of the Project Cost) in CAMPA Account for Wildlife Conservation Plan. The amount should be deposited to CAMPA fund only through e-portal (<u>https://parivesh.nic.in</u>) against 699.38Ha of Forest Land in favour of Chandragupt OCP along with an undertaking for depositing additional amount, if so determined, as per final approval of the Wildlife Conservation Plan.

Sent for further necessary action.

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

KORAGUPT OPEN CIGIT PROJECT

ours faithfully

Divisional Forest Officer Chantra South Forest Division, Chatra.

Annexurenter

Mon, Nov 04, 2024 06:48 /

Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portai

From : monitoring-foilphic.in

Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances

To t po chandrapupta po.chandragupta@coalii.cla.in>

Cc : monitoring-fo@nic.in

This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.

Propsal Detail

1. Proposal No.	: FP/JH/MIN/140539/2021
2. Proposal Name	: CHANDRAGUPT OCP
3. Category of the	Construction of Char
Proposal	: Mining

4. Date of In-principle : 09/04/2021

5. Name of the Applicant with Contact Details

Name Nobile No.	: CHANDRAGUPT OCP 1 8987784169
Email ID	pouchandragupta@coalindi
State	* a.In : Jharkhand
District	: Chatra
Pincode	* 835321

Funds Demand Details

4		
1. Compensatory Afforestation	: Rs. 0/-	
2. Additional Compensatory Afforestation	: Rs. 0/-	
3. Penal Compensatory Afforestation	: Rs. 0/-	
4. Catchment Area Treatment	: Rs. 0/-	
5. Safety Zone	: Rs. 0/-	
6. Additional Charges for	- Not up-	0
protected area	: Rs: 0/-	
7. Net Present Value (NPV)	: Rs. 859251274/-	
8. Wildlife Conservation Plan		
9. Soll & Moisture Conservation	: Rs. 194700340/-	
Plan	: Rs. 48675085/-	
10. Other Charges1	: Rs.0/+	
11. Other Charges2		
Contraction of the second s	: Rs.0/+	
Total Amount	: Rs. 1102626599/-	
	and the second se	

Mukesh Kumar LF.S Divisional Forest Officer Chara South Forest Division

User Agency is requested to make above mentioned payment after generating challan through the system.

(System Administrator)

*** This is a system generated small, please do not reply. ***

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT ANRAPALI-CHUNDRATE ST AREA, CCL



Date-11-12-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank:-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	11026266 99.00	15072581405 99645	UBIN099 6335	ICICR4202412110 0000899	11- 12- 202 4

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guarantor or otherwise.

This certificate is issued at the specific request of the said customer.

Regards Autrorised Sid

ICICI Bank-Ltd Rotu Road Ranchi -834001

CHANGRAGUPT OPEN CAST PRODEGY

AMRAPALI-CHANORAGUPT AREA, CCL

Mukesh Kumar LF.S

Divisional Forest Officer Chatra South Forest Division

ICICI Bank Limited TOWER, Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi- 834001, Jharkhand, India

Website www.icicibank.com CIN.: L65190GJ1994PLC021012 Regd. Office : ICICI Bank

Near Chakli Circle, Old Padra Road, Vadodara 390 007, India.

moexure - 12



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-12

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-4

Chandragupt OCP undertake that "A Site-Specific Wildlife Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency"

Makesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project CCL
Annexure 22

PROFORMA FOR VERIFICATION OF DEPOSITS IN COMPENSATORY AFFORESTATION FUND/SUMMARY OF PAYMENT Chandragupt OCP (699.38 Ha)

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12

S.N	Column 1		Column 2
	Name of Regional Office		Integrated Regional office Ranchi
0	State/District/Forest Division to which the proposal relates		Jharkhand/Chutra&Hazaribagh/Chatra South & Hazaribagh West
5	Name of User Agency, Name of Proposal		Central coalifields limited, Chardragupt Opencast Mining Project
4	Nature of Category of Proposal		Mining
1	Proposal No.		FP/IH/MIN/140599/2021
9	Extent of Forest Area involved		699.38 Ha
	Whether original or extension		Original (land acquired under CBA Act)
00	If the extension of lease, please charify if proposal involves additional forest area and if so specify	und if so specify	NA
	Dated of 1st Stage clearance		File No. 8-24 /2023-FC dated 27.05.2024
0	Extent of CAMPA Charges, head wise viz		
Г	a) Compensatory afforestation		Rs 164,36,19,381.00
-	b) Additional compensatory afforcetation		NA
Г	 Penal compersatory afforestation 		NA
Г	d) Catchment area treatment		Rs 19,47,00,340.00
	e) De-Sittation Plan		Rs 7,00,79,000.00
Г	D Additional charges for diversion of area falling under notified/protected area		NII
F	e) Net present value		Rs. 85,92,51,274.40
1	h) any other charges/levies (please specify) Safety Zone+Forest Produce + Cess + Tax- Penal NPV	+ Tax- Penal NPV	NA
	I. Penal NPV		NA
	ii. Soil and Moisture Conservation Plan (SMC) (@ 0.5% of Project Cost)		Rs 4,86,75,085.00
	iii. Wildhife management plan (WLCP)@2% of Project Cost)		Rs 48,05,92,000.00
	Total -		Rs 329,69,17,080.40
11	If the payment made through challan or otherwise in case of online payment, details of challan	its of challan	Attached
	Sten of these Machine Sten Sten	Sign of DFO (Hazanhaeh West)	Sien of Nodel Officer
BILOI USGI 100			

PROJECT OFRIDER CHANDRAGUET DEEN OAST PETRIEET EUTREPALISCOUNTER

Mukesh Kumar LF.S Divisional Forest Officer Charra South Forest Division

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ñ	Details of deposits Type of Deposit	Whether	UTROD	Amount	Dated of	Name of Bank	-
NO NO	P/Others)Specify	(RTGS/DD /NEFT (Specify)	Na.	Deposit (Rs.)	Deposit	from which amount transferred fo account of CAF	managed by CAMPA in which fund deposited.
<u>4</u>	NPV	RTOS	IC/ICR4202412110006899	\$5,92,51,274,00	11.12.2024	ICICI Benk Ratu Road Ranchi	CAF Account Ihutkhend (ACNo1507258140599645) Union Bank of Itadia Beanch letitta Towers, Mission Road, Bengalaro- 560027
64	WLCP	RTGS	1010284262412110000899	19,47,00,348.00	11.12.2024	ICICI Bank Ratu Road Ranchi	CAF Account Jharkhaid (A/C No1507238 (40)99643) Union Earls of India Brunch Jelita Towers, Mission Road, Bengalan- 560027
m	SMC	RTOS	ICICR42024121160006899	4,86,75,085,00	11.12.2024	ICICI Bank Rstu Road Ranchi	CAF Account Flueldend (A/C No1507258140590445) Union Bank of India Branch Jelitta Towers, Minion Road, Besgelura- 560027
4	CA	RTGS	ICICR42025012700001515	00/182/61/92/191	27,01.2025	ICICI Bank Ratu Road Ranchi	CAF Account Multihaid (A/C No1507258340599645) Union Bast of India Branch JoShu Towers, Mission Roud, Bengalun-
in .	CAT	RTGS	ICECR4202501270001515	483592000.00	27.01.2025	ICTCI Bank Ratu Road Ranchi	CAF Account Iharchard (A/C No1507258140599645) Union Bank of Infla Rearch Adra Towers, Mission Road, Bangalura- 560027
8 9	De-Siliation	RTGS	ICICR42025012700081515	7,00,79,000.00	5 202.10.72	ICICI Bank Ratu Road Ranchi	CAP Accient fluckheid (A/C No1507258140395645) Unden Busk of India Branch Jolitta Towers, Mission Roud, Bengalteru-
Sign of User Agency	Aginer	Sign	Sign of Jan (Contra South)	Sign.of DFG	Sign of DFO (Hazarlbagh West)	Vest)	Sign of Nodal Officer

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PRUMPA UNIVERSITY OF CHANNERS OF CHANNERS

Divisional Forest Officer Chatra South Forest Division

Name of articulars Chatra South forest Division Hazaribagh forest West Division Payment Made to CAMIPA NPV 49.26,15,446,40 56,65,35,328.00 85,92,51,274.00 NPV 49.26,15,446,40 56,65,35,328.00 85,92,51,274.00 NPV 49.26,15,446,40 56,65,35,328.00 85,92,51,274.00 NPV 49.86,75,085.00 NA 19,47,00,340.00 SMC 4,86,75,085.00 NA 4,86,75,085.00 SMC 82,10,67,915.00 NA 4,86,75,085.00 CA 82,10,67,915.00 NA 4,86,75,085.00 CA 82,10,67,915.00 NA 4,86,75,085.00 CA 82,10,67,915.00 NA 27,73,98,900.00 CA 82,10,67,915.00 NA 27,73,98,900.00 De 27,73,98,900.00 NA 27,73,98,900.00 CAT 37,07,26,000.00 10,98,66,00.00 48,05,92,000.00 De 2,66,38,000.00 10,98,66,00.00 27,73,98,900.00 De 2,66,38,00 10,65,99,55,994.00 27,73,98,900.00 De	1.					ľ
49.26.15,446.40 36,66,35,828.00 85,92,51,274.00 19,47,00,340.00 NA 19,47,00,340.00 4,86,75,085.00 NA 4,86,75,085.00 82,10,67,915.00 S4,51,52,566.00 136,62,20,481.00 82,10,67,915.00 NA 4,86,75,085.00 82,10,67,915.00 NA 4,86,75,085.00 82,10,67,915.00 NA 4,86,75,085.00 27,73,98,900.00 NA 27,73,98,900.00 27,73,98,900.00 NA 27,73,98,900.00 27,07,26,000.00 10,98,66,000.00 48,05,92,000.00 27,07,26,000.00 10,98,66,000.00 48,05,92,000.00 2,66, 38,000.00 10,98,66,000.00 7,00,79,000.00 2,66, 38,000.00 10,98,66,000.00 7,00,79,000.00 2,66, 38,000.00 10,98,66,000.00 7,00,79,000.00 2,66, 38,000.00 10,98,66,000.00 7,00,79,000.00 2,66, 38,000.00 10,05,95,394.00 329,69,17,080.00 2,13,18,21,686.40 106,50,95,394.00 329,69,17,080.00 2,13,18,21,686.40 106,50,95,394.00 329,69,17,080.00 10,11,17 529,69,17,080.00 529,69,17,080.00	Pa	ame of rticulars	Chatra South Forest Division demand Raised	Hazaribagh Forest West Division Demand Raised	Payment Made to CAMPA Account Total	Challan Application No
19,47,00,340.00 NA 19,47,00,340.00 4,86,75,085.00 NA 4,86,75.085.00 82,10,67,915.00 54,51,52,566.00 136,62,20,481.00 82,10,67,915.00 NA 27,73,98,900.00 27,73,98,900.00 NA 27,73,98,900.00 27,07,26,000.00 10,98,66,000.00 48,05,92,000.00 27,07,26,000.00 10,98,66,000.00 48,05,92,000.00 27,07,26,000.00 10,98,66,000.00 48,05,92,000.00 27,07,256,000.00 10,98,66,000.00 48,05,92,000.00 27,07,26,000.00 10,98,66,000.00 48,05,92,000.00 27,07,26,000.00 10,98,66,000.00 48,05,92,000.00 27,07,26,000.00 10,98,66,000.00 7,00,79,000.00 2,66,38,000.00 4,34,41,000.00 7,00,79,000.00 2,66,38,000.00 4,34,41,000.00 7,00,79,000.00 2,66,38,000.00 4,34,41,000.00 7,00,79,000.00 2,566,318,016 106,50,95,394.00 329,69,17,080.00 2,13,18,21,686.40 106,50,95,394.00 329,69,17,080.00 10,17 539,69,17,080.00 106,50,95,394.00 2,13,18,21,686.40 106,50,95,394.00 329,69,17,080.00 10,167 539,69,17,080.00 539,69,17,080.00		NPV	49,26,15,446.40	36,66,35,828.00	85,92,51,274.00	58140599645
4,86,75,085.00 NA 4,86,75,085.00 82,10,67,915.00 54,51,52,566.00 136,62,20,481.00 27,73,98,900.00 NA 27,73,98,900.00 27,73,98,900.00 NA 27,73,98,900.00 37,07,26,000.00 10,98,66,000.00 48,05,92,000.00 27,66,38,000.00 10,98,66,000.00 48,05,92,000.00 27,66,38,000.00 10,98,66,000.00 7,00,79,000.00 2,66,38,000.00 10,98,66,000.00 7,00,79,000.00 2,66,38,000.00 10,50,95,394.00 329,69,17,080.00 2,566,38,000.00 106,50,95,394.00 329,69,17,080.00		WLCP	19,47,00,340.00	NA	19,47,00,340.00	58140599645
82,10,67,915.00 54,51,52,566.00 136,62,20,481.00 27,73,98,900.00 NA 27,73,98,900.00 37,07,26,000.00 10,98,66,000.00 48,05,92,000.00 2,66, 38,000.00 4,34,41,000.00 7,00,79,000.00 2,66, 38,000.00 4,34,41,000.00 7,00,79,000.00 2,66, 38,000.00 6,50,95,394.00 329,69,17,080.00 0,01,01 106,50,95,394.00 329,69,17,080.00 0,01,01 106,50,95,394.00 329,69,17,080.00 0,01,01 106,50,95,394.00 329,69,17,080.00 0,01,01 106,50,95,394.00 329,69,17,080.00		SMC	4,86,75,085.00	NN	4,86,75,085.00	58140599645
Z17,73,98,900.00 NA Z17,398,900.00 CAT 37,07,26,000.00 10,98,66,000.00 48,05,92,000.00 De- 2,66, 38,000.00 4,34,41,000.00 7,00,79,000.00 De- 2,66, 38,000.00 4,34,1,000.00 7,00,79,000.00 De- 2,66, 38,000.00 10,98,66,000.00 7,00,79,000.00 De- 2,566, 38,000.00 4,34,1,000.00 7,00,79,000.00 De- 2,566, 38,000.00 10,650,95,394.00 329,69,17,080.00 MOUNT 223,18,21,686.40 106,50,95,394.00 329,69,17,080.00		CA	\$2,10,67,915.00	54,51,52,566.00	136,62,20,481.00	18866505185
CAT 37,07,26,000.00 10.98,66,000.00 48,05,92,000.00 De- 2,66,38,000.00 4,34,41,000.00 7,00,79,000.00 Siltation 2,66,38,000.00 4,34,41,000.00 7,00,79,000.00 De- 2,56,38,000.00 4,34,41,000.00 7,00,79,000.00 Siltation 2,56,38,000.00 4,34,41,000.00 7,00,79,000.00 NOTAL 223,18,21,686.40 106,50,95,394.00 329,69,17,080.00 MOUNT 223,18,21,686.40 106,50,95,394.00 329,69,17,080.00			27,73,98,900.00	NA	27,73,98,900.00	58140599331
De- Siltation 2, 66, 38, 000.00 4,34,41,000.00 7,00,79,000.00 TOTAL DEMAND 223,18,21,686.40 106,50,95,394.00 329,69,17,080.00 MOUNT 223,18,21,686.40 106,50,95,394.00 329,69,17,080.00		CAT	37,07,26,000.00	10.98,66,000.00	48,05,92,000.00	16866504185
223,18,21,686.40 106,50,95,394.00 329,69,17,080.00		De- Siltation	2, 66, 38, 000.00	4,34,41,000.00	7,00,79,000.00	58140599331
Mart 1 1 Sign. of DFO (Hazaribagh West)		TOTAL DEMAND AMOUNT	223,18,21,686.40	106,50,95,394.00	329,69,17,080.00	
	9		Lan 1 ar	Sign.of DFO (Ha	zaribagh West)	Sign.of.Nodal Officer

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SI No	Particulars	Demand Raised vide	Amount Paid (RS)	UTR.No	
		DFO,Chatra (South) vide Lar.No.1129 Dtd31.05.2024	49,26,15,446.40	ICICR42024121100000859	11.12.2024
	NPV	DFO, Hazaribagh (West) vide Ltr.No. 3331 Del 04.06 2024.	36,66,35,828.00	ICICR42924121100000899	11.12.2024
	WLCP	DFO Chatra (South) vide Lar. No. 2118 Del 25.10.2024	19,47,00,340,00	ICICR42024121100000899	11.12.2024
	SMC	DFO Chattes (South) vide Ltr.No.2117 Did 25.10.2024	4,86,75,085.00	ECIC:842024123100000899	11.12.2024
		TOTAL	1102626699.00	ICICR42024121100000899	11.12.2024
		DFO,(Chatte south) vide letter No:61 dated 07.01.2025	82,10,67,915.00	ICICR42025012700001515	27.01.2025
		DFO (Hazarihagh West)vide letter roc216 dated 10.01.2025	54,51,52,566.00	ICICR42025012700001515	27.01.2025
	CA	DFO, Chatra South Forest Division vide letter no :81 dated 15.01.2025	27,73,98,900.00	ICICR42025012700001515	27.01.2025
		DFO Chatha (South) wide Lir Ne:2343 dated 29.11.2024	37,07,26,000.00	ICICR42025012700001515	27.01.2025
	CAT	DFO Hazaribagh (West) vide Lir No:5987 dated13.12.2024	10,98,66,000.00	ICICR42025012700901515	27.01.2023
		DFO Chatra (South) vide the Ltr. No.2345 Did 29. 11 2024	2,66,38,000.00	KCICR42025012700001515	27/01.1025
0	De- Salistion	DFO Hazaribagh (West) vide their Ltr.No.5989 Did 13.12.2024	4,34,41,000.00	2C3CR42025012700001515	27.01.2025
		TOTAL	219,42,90,381,00	ICICR42025012700001515	27.01.2025
	Total	B. 77		329,59,17,080,40	

Sten.of UserAgency PROJECT CENCER CHANDRACUPT CITER CLOST PROJECT ANRAERUL CONTRELETION FOR CON-

Sign of Didaydharassouth) Mukesh Kumar LFS Divisional Forest Officer Chairn South Forest Division

Sign.of DFO (Hazaritagh West) Sign.of.Nodal Officer



Office of the Principal Chief Conservator of Forests

Van Bhawan, Doranda, Ranchi - 834 002 Email: pccf-jhk@gov.in, Phone No. 0651-2481909

dated 2-8 # 2024 Office order No. 172

Sanction Order of the Catchment Area Treatment Plan with reference to nonforestry use of 699.38 ha of forest land for Chandragupta Open Cast Mine in favour of M/s Central Coalfields Limited (CCL)

The instant Catchment Area treatment Plan (referred to as "the Plan" here in after) has been submitted by M/s. Central Coalfields Limited (CCL) (referred to as "the User Agency or M/s CCL ") in pursuance of the condition number- 5 laid by the MoEF&CC vide letter no. 8-24/2023 FC dated 27 05:2024 for the diversion of 699.34 ha (400.96 ha in Chatra South Forest Division and 298.42 ha in Hazaribagh West Forest Division) of forest land for Chandragupt Open Cast Coal mining project in favour of M/s Central Coalfield Limited (CCL).

Condition no. 5 of Stage-1 approval: "To mitigate the impact on water of Barki river and other rivulets/nales, a Catchment Area Treatment (CAT) Plan shall be prepared and implemented at the cost of the user agency".

In compliance of the aforesaid condition laid by MoEF&CC, the User Agency M/s 2. Central Coalfields Limited (CCL) submitted a site-specific Catchment Area Treatment (CAT) Plan for diversion of forest land proposal of Chandragupta Open Cast Mining Project prepared in consultation with the fcrest officials including DFO, Chatra South and Hazanbagh West Forest Division, the CFs and RCCF, Hazaribagh.

In the above stated background, the Regional Chief Conservator of Forests, 3. Ranchi (RCCF, Hazaribagh) vide his letter no. 2014 dated 14.11.2024 submitted the Plan to the office of the undersigned for its consideration for sanction.

In order to examine the plan prescriptions a communication was issued to the 4. Regional Chief Conservator of Forests, Ranchi, vide this office letter no. 2850 dated

ST PROJECT

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Mukesh Kumar LF.S **Divisional Forest Officer Chatra South Forest Division** 18,11.2024 to arrange a presentation of the plan on 27,11.2024 in the conference hall of the undersigned. The presentation was made by the Project proponent in the presence of Regional Chief Conservator of Forests, Hazaribagh, CF, Chatra, CF, Hazaribagh, DFO, Chatra South and DFO, Hazaribagh West Forest Division. Project Officer, Chandragupta OCP, Nodal Officer CCL/SCOMPL, Shri Hemant Kumar, SIDHA, Dr. Manish Kumar, SIDHA, Ms. Diksha Lakra, SIDHA, Ms. Nikita, SIDHA were also present during the presentation.

5. After deliberation on various provisions of the proposed Plan and the presentation, it was observed that the impact area has been considered as the geographical area within 10 km radius around the proposed site of the mine's boundary to the limit of administrative jurisdiction of Chatra South Forest Division/Chatre district and Hazaribag West Forest Division in Hazaribag District. The Geographical area of the Zol comes out to be 312.94 sq.km. A total of 136.96 sq.km (approx.) of Forest Land constitutes a part of the Impact Area which is under exclusive management and control of the Forest Department. The Impact Area consists of altogether 93 villages. The proposed 93 villages also include the mining sites and hence the exclusive impact zones have only 84 villages.

6. The cost of the proposed 10-year Site-Specific Catchment Area Treatment (CAT) Plan with respect to the activities to be carried out by DFO. Chatra South and DFO, Hazaribsgh West Forest Division has been estimated to be Rs. 4805.93 lakh. The summary of the proposed interventions (component wise) under the Plan with the objective of conservation of forest resources as also to mitigate the impacts of mining on forests and wildlife is as follows:

SI. No.	Activity Head	Chatra South Forest Division	Hazaribagh West Forest Division	Total
	à	(Rs. in Lakh)	(Rs. in Lakh)	(Rs. in Lakh)
1.	Bio-engineering measures	116.00	59.83	175.83
2.	Engineering measures	947.40	385.80	1333.20
3,	Water storage structures	85.00	0.00	85.00

Summary of the Site-Specific Catchment Area Treatment (CAT) Plan for Chandragupta Open Cast Mine project

18.1Mukesh Kum

Divisional Forest Officer Chatra South Forest Division

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4.	Liselihood	570.00	210.00	780.00
5.	Monitoring & Study for implementation	165.00	15.00	180.00
6.	Energy saving intervention	600.00	74.50	674.50
7.	Capacity building cost for villagers and staff	384.34	100.00	484.34
-	Total	2851,74	845.13	3696.87
	Administrative cost for implementation @10%	285.17	84.51	369.68
	Cost Escalation @ 20%	570.35	169.03	739.38
-	Grand Total	3707.26	1098.66	4805.92

The Plan with a total financial outlay of Rs. 4805.92 lakh extends over a period of 10. 10 years and shall be utilized by the Forest Department through the DFO, Chatra South and DFO, Hazaribagh West Forest Division in accordance with the Plan prescriptions.

Considering the proposals under the plan submitted by the User Agency and 11. recommendation of the concerned forest officers, sanction is hereby accorded to the instant Plan subject to the following conditions:

- That the User Agency shall ensure that its officials/contractors and the work (1) force engaged into mining and allied operations under the Project shall not commit or abet any forest/wildlife offence in their area of operation. They will also promptly report any forest/wildlife offence in the area to the nearest forest office/official. Further, they will extend their full cooperation to the forest officials in control/mitigation of any incident, natural or man -made, detrimental to forest and wildlife in their area of operation.
- That the total amount of Rs. Rs. 4805.92 lakh (Rupees forty eight crore (H)five lakh and ninety two thousand only) shall be deposited by the User Agency into CAMPA account under the relevant head/sub-head and shall be utilized by the State Forest Department through the DFO, Chatra South and DFO, Hazaribagh West Forest Division as delineated under the Plan,

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT

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Mukesh Kumar LES Divisional Forest Officer Chatra South Forest Division Divisional Fo Citatra South Fores: Districtly in accordance with the prevailing norms under the Jharkhand Forest Department.

(III) That as regards the funds earmarked against activities to be undertaken by the State Forest Department, DFO, Chatra South and DFO, Hazaribagh West Forest Division shall prepare a detailed Annual Plan of Operations (APO) in the beginning of every financial year in respect of the Instant Plan following all the rules, regulations, Schedule of Rates etc. issued from time to time by the State Government/ Forest Department. Regional Chief Conservator of Forests, Hazaribagh shall supervise & closely monitor the progress of the activities undertaken by DFO, Chatra South and DFO, Hazaribagh West Forest Division respectively as per the approved APO & funds released under CAMPA.

(IV) That the Conservator of Forests, Hazaribagh and Chatra shall supervise all the activities as per directions issued by the Forest Department from time to time.

(v) That the DFO, Chatra South and DFO, Hazaribagh West Forest Division shall carry out the activities under the Plan strictly as per the duly sanctioned APO.

(vi) That both the DFOs shall ensure that no violation of duly sanctioned Working Plan of their Forest Divisions takes place during implementation of any of the activities involved in this plan over notified and demarcated forest land.

(vii) That the instant Plan is dynamic and be reviewed after 5 years to assess its compatibility with mining and its concurrent reclamation activities and a revised Plan be formulated as per requirement.

(viii) That though adequate provisions have been made towards cost escalation in the plan viz. increase in wage rate/ material cost etc., yet the User Agency shall submit an undertaking to the DFO. Chatra South and DFO, Hazaribagh West Forest Division to the effect that it will deposit extra cost of the plan beyond the cost escalation provision owing to increase in wage

h Kumar I **Divisional Forest Officer** Chatra South Forest Division

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rate etc. in due course of time as well as consequent upon revision in the plan, if any, as and when given effect to by the competent authority. Sd/-

> Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No.

dated

Copy forwarded to Deputy Director General of Forests (Central), Ministry of Environment, Forest & Climate Change, Integrated Regional Office, Ranchi, Harmu Housing Colony, Ranchi [email: ro.ranchi-mef@gov.in] / Principal Chief Conservator of Forest-cum-Executive Director, Waste Land Development Board, Jharkhand, Ranchi / Additional PCCF, CAMPA along with a copy of the Plan, for information and necessary action.

> Sd/-Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No. 2929 dated 2811 2124

Copy forwarded to Regional Chief Conservator of Forest, Hazaribagh / Conservator of Forest, Hazaribagh / Chatra / DFO, Chatra South / Hazaribagh West Forest Division for Information and necessary action.

Principal Chief Conservator of Forests, Jharkhand, Ranchi

Mukesh Kumar I.F.S realfO tranof landsivid Chatra South Forest Officer Divisional Forest Officer Divisional Forest Officer Chatra South Forest Officer

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, COL





Letter No.- 2343

Date: 29-11 2024

To,

	The General Manager, Amrapali-Churdragopt Area, Tandwa, Chatm.
Subject:	Demand latter for depositing losy for implementation of Site-Specific Cateliment Area Treatment Plan against nan-forestry use of 699,38ha (400.96 ha in Chatra South Forest Division and 298.42 ha in Hazaribagh West Forest Division) of forest hand for Chatradragapt Open Cast Mining project in favour of M/s Central Costfield Linsited(CCL)
Refi	Office order No-172 Dated-23-11-2024 of Principal Chief Conservator of Forest, Jharkhand, Rauchi, F.NO. 8-24/2023-FC Dated-27:05:2024
Siz,	
	Kinully refer the letter in the refrence where in principle approval has been accorded to the

captioned project subject to certain conditions.

A. As per condition No.5 of the said letter,

To mitigate the import on water of Bolri river and other rividets/nulas, a Catchment Area Treatment Plan (CAT) Plan shall be prepared and implemented at the cost of the user agency".

- B. In compliance of the above-mentioned condition of stage 1 approval a Sile-Specific Catchment Area Trearment Plan was propored by user agency and submitted before Principal Chief Conservator of Forest, Jurkhand, Rauchi for approval of the same. The said plan has been approved vide office order no-172 dated- 28.11.2024 of PCCF, Berkhand, Rauchi wherein, a provision Rs 3707.26 Laca have been made for implementation of the plan against mining activities.
- C. Therefore it is requested to deposit the above mentioned amount i.e Rs. 3707,26 Lass in CAMPA Account. The amount should be deposited to CAMPA Fund only through s-portal (https://privesh.nis.in) and copy of challan/receipt shall be sent to this affice for records.

Soul for accessity action,

Yours faithfully.

Divisonal Forest Officer Instra South Forest Division, Chatra.

S.A. Perma A. J. traffic tensor Officers and Percent Division Mukesh Kumar LF.S

Divisional Forest Officer Chatra South Forest Division

D'Alloy poetiesa2018 29% English Letter

10	=	5		Annexure-15
Sanjeev Kumar	es Proposal(OSMFCP) porta	Wed, Jan 22, 2025 04:08 PM	Mukesh Kumar LF.S Divisional Forest Officer Charra South Forest Division	Production of the production of the con-
	Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal	From : monitoring-fc@nic.in Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below. Propsal Detail 1. Proposal No. : FP/JH/MIN/140599/2021 2. Proposal No. : FP/JH/MIN/140599/2021 3. Category of the : CHANDRAGUPT OCP 3. Category of the : Mining 4. Date of In-Principle : 09/04/2021	: CHANDRAGUPT OCP : 8987784169 po.chandragupta@coalindi a.in : Jharkhand : Chatra
	ministrator of Online Submis	From : monitoring-fc@nic.in bject : Email Alert From System Administrator of Online Sub Proposal(OSMFCP) portal To : po chandragupta@coalindia.in> Cc : monitoring-fc@nic.in	This is to acknowledge that demand d Agency have been verified by Nodal Office Detail of Proposal are given below. Propsal Detail 1. Proposal No. : FP/JH/MIN/ 2. Proposal No. : FP/JH/MIN/ 3. Category of the : CHANDRAG 3. Category of the : Mining Proposal 4. Date of In-principle : 09/04/2021	Name : CHANDRAG Name : CHANDRAG Mobile No. : 898778416 Email ID : 20.chandra a.in State : 3harkhand District : Chatra

W-SIW1* Mukesh Kamar LES Divisional Porest Officer	*** This is a system gener	User Agency is requested to make above generating challan through the system.	Total Amount	Funds Demand Details 1. Compensatory Afforestation 2. Additional Compensatory Afforestation 3. Penal Compensatory Afforestation 4. Catchment Area Treatment 5. Safety Zone 6. Additional Charges for protected area 7. Net Present Value (NPV) 8. DE-SILTATION 9. Other Charges1 10. Other Charges2 11. Other Charges3
	This is a system generated email, please do not reply. ***	User Agency is requested to make above mentioned payment after generating challan through the system. (System Administrator)	: Rs. 2194290381/-	ory ory v)



Date-27-01-2025

TO WHOMSDEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank:-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	21942903 81.00	15072581405 99331	UBIN099 6335	ICICR4202501270 0001515	27- 01- 202 5

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guaranter or otherwise.

This certificate is issued at the specific request of the said customer.



ICICI Bank-Ltd Ratu Road Ranchi -834001

Mukesh Kumar LF.S Divisional Forest Officer Chutra South Forest Division

CHANDRAGUPT OPEN CAST PROJECT NURAPALLONANDRAGUET ARE

ICICI Bank Limited Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi- 834001, Jhurkhand, India

Website www.icicibank.com CIN.: L65190GJ1994PLC021012

Regd. Office : ICICI Bank Tower, Near Chakli Circle, Old Padra Road, Vadodara 390 007, India. Annexure 22

PROFORMA FOR VERIFICATION OF DEPOSITS IN COMPENSATORY AFFORESTATION FUND/SUMMARY OF PAYMENT Candragupt OCP (699.38 Ha)

47

	(max anti-cal) was admitted for the formation	
S.N	Column I	Column 2
-	Name of Regional Office	Integrated Regional office Ranchi
ci	State/District/Forest Division to which the proposal relates	Jharkhand/Chatra&Hazaribagh/Chatra South & Hazaribagh West
10	Name of User Agency, Name of Proposal	Central coalifields limited, Clashfragupt Openeast Mining Project
	Nature of Category of Proposal	Mining
5	Proposal No.	FP/JH/MIN/140599/2021
10	Extent of Forest Area involved	699.38 Ha
F	Whether original or extension	Original (land acquired under CBA Act)
	If the extension of lease, please clarify if proposal involves additional forest area and if so specify	NA
6	Dated of 1st Stage clearance	File No. 8-24 /2023-FC dated 27.05 2024
2	Extent of CAMPA Churges, head wise viz.	
Ľ	a) Compensatory afforestation	Rs 164,36,19,381.00
1	b) Additional compensatory afforestation	NA
1	 Penal compensation afforestation 	NA
	d) Catchment area treatment	Rs 19,47,00,340.00
1	c) De-Siltation Plan	Rs 7,00,79,000.00
E	D Additional charges for diversion of area failing under notified/protected area	NII
1	(a) Net present value	Rs. 85,92,51,274,40
1	(i) any other chargea/levies (please specify) Safety Zone+ Forest Produce + Cess + Tax- Penal NPV	NA
	i. Perial NPV	NA
	II. Soil and Moisture Conservation Plan (SMC) (@ 0.5% of Project Cost)	Rs 4,86,75,085,00
	iii. Wildlife management plan (WLCPy@2% of Project Cost)	Rs 43,05,92,000.00
	Table -	Rs 329,69,17,080.40
1	If the payment made through challan or otherwise in case of online payment, details of challan	Attached
	New Andrew Contraction of the Andrew Contrac	Cines of Model Offices
20	Sign of User Agency Dignion UP O Charles Sound) Sign of User Agency UP O (Trateative) in the	

PROJECT OFFICES CHANDRALUM OFFICES CAST MICHTA

Mukesh Kumar I.F.S Divisional Forest Officer Channe South Forest Division

			Contract of the second se				- 11
No No P	Type of Deposit (NPV/CA/WM P/Others)Specify	Whether (RTGS/DD /NEFT (Specify)	UTR/DD No.	Amount Deposit (Rs.)	Deposit	Name of Bank from which amount transferred to account of CAF	
1	NAN	RTGS	ICICR42024121100005599	85,92,51,274,00	11.12.2024	ICICI Benk Ratu Road Ranchi	
5	WLCP	RTGS	ICIUR42024121100000699	19,47,00,340.00	11.12.2024	ICICI Bank Ratu Road Ranchi	
'n	SMC	RTGS	ICICR4202412110000699	4,36,75,085.00	11.12.2024	ICICI Bank Ratu Road Ranchi	
4	S	RTGS	ICICR42025012700001515	164,36,19,381,00	27.01.2025	ICICI Bank Ratu Road Ranchi	
s.	CAT	'RTGS	ICTCR42025012700001515	480592000,00	27.01.2025	ICICI Bank Ratu Road Ranchi	
9	De-Siltation	KIOS	JCICR42025012200001515	7,00,79,000,00	27.01.202 5	ICICI Bank Rana Road Renchi	
	and the second se	Clear	Martin Contraction	Stim of DEC	Ston of DECUSIonshipson Want	Viscol	State of Michael Property

Mukesh Kumar LF.S Divisional Forest Officer Cluara South Forest Division

> PROJECT OF CRADE CHANDRADUPT OF CAST FROM

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Challan Application No	58140599645	58140599645	58140599645	58140599331	58140599331	28140599331	58140599331		Sign.of.Nodal Officer
Payment Made to CAMPA Account Total	85,92,51,274.00	19,47,00,340,00	4,86,75,085.00	136,62,20,481.00	27,73,98,900.00	48,05,92,000.00	7,00,79,000.00	329,69,17,080.00	taribagh West)
Hazaribagh Forest West Division Demand Raised	36,66,35,828.00	NA	NA	54,51,52,566.00	NA	10,98,66,000.00	4,34,41,000.00	106,50,95,394,00 329,69,17,080.00	Sign.of DFO (Hazaribagh West)
Chatra South Forest Division demand Raised	49,26,15,446,40	19,47,00,340.00	4,86,75,085.00	82,10,67,915.00	27,73,98,900.00	37,07,26,000.00	2, 66, 38, 000.00	223,18,21,686.40	Signarord (Chara South)
Name of Particulars	NPV	WLCP	SMC	CA		CAT	De- Siltation	TOTAL DEMAND AMOUNT	
Conditi on No	3	4&9	12	61		2	15		Sign.of Used Seno
SL No	-	0	m	4		s	9		Sign.o

14. ...

Particulars	rs Demund Raised vide	Amount Paid (RS)	UTRNo	
	DFO,Chatta (South) vide Ltr.No.1129 Dtd 31.05 2024	49,26,15,446.40	ICICR4202412110000659	11.12.2024
AdN	DFO, Hazaribagh (West) vide Ltr.No. 3331 Did.04.06.2024.	36,66,35,828,00	ICICR4202412110000899	11.12.2024
WLCP	DFO Chatta (South) vide Ltr.No.2118 Dtd 25.10.2024	19,47,00,340.00	ICICR42024121100000899	11.12.2024
SMC	DFO Chatra (South) vide Ltr.No.2117 Did 25.10.2024	4,86,75,085.00	ICICR42024121100000859	11.12.2024
	TOTAL	1102626699.00	ICHCR42024121100000859	11.12.2024
	DFO ₄ (Chatra south) vide letter No.61 dated 07.01 2025	82,10,67,915.00	ICICR42023012700001515	27.01.2025
	DFO (Hazarhagh West)vide letter nor216 dated 10.01.2025	54,51,52,566.00	KJCR42025012700001515	27,01,2025
CA	DFO,Chatra South Forest Division vide letter no :81 dated 15.01.2025	27,73,98,900,00	ICICR42025012700001515	27.91.2025
	DFO Chatta (South) vide Ltr No.2343 dated 29,11,2024	37,07,26,000.00	ICICR42025012700001515	27.01,2025
CAT	DFU Hazaribagh (West) vide Ltr No:5987 dated13.12.2024	10,98,66,000.00	ICICR42025012700001515	27.01.2025
	DFO Chatra (South) vide the Ltr.No.2345 Did.29.11.2024	2,65,38,000.00	ICICR42025612700001515	27.01.2025
De- Siltation	DFO Hazaribugh (West) vide their LIT.No.5989 Dtd.13.12.2024	4,34,41,000.00	ICICR42025012700001515	27,01,2025
	TOTAL	219,42,90,381.00	219,42,90,381.00 IC/CR42025012700001515	27.01.2025
F	Tetal Amount Duid		01.080.71.03.925	

Sign of Used Agency Protect of the Agency CHANORAGIPT OF CLAST ACTOR All SAPAU CHANGER OF CLAST ACTOR

Signor W.O. Conta South Divisional Forest Officer Chairs South Forest Division

Sign.of.Nodal Officer Sign.of DFO (Hazaribagh West)

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Top Soil Management

of

Chandragupt OCP

(Normative-15.00/Peak-20.00 MTPA) Project Area- 1495 Ha (North Karanpura Coalfields, Dist: Hazaribagh & Chatra State: Jharkhand)



Mukesh Kumur LF.S

Divisional Forest Officer Chatra South Forest Division

July 2024

Central Mine Planning and Design Institute Limited

Gondwana Place, Kanke Road, Ranch

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA G

1. Project Description:

Chandragupt OCP is a Greenfield opencast coal mining project located in the North Karanpura Coalfields, failing in both Hazaribagh & Chatra districts of Jharkhand. This project is covered in Survey of India Topo-sheet no. 73A/13 and 73E/1, and is bounded between latitude 23°51'30" to 23°54'45" N and longitude 85°01'15" to 85°03'15".

The details of revenue villages falling within the project boundary are as given below:

SI.No	District	Tehsil	Villages
01	Hazanibagh	Keradari	Bachaikhap, Bukru, Chatti-Bariyatu, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua
62	Chatra	Tandwa	Usru

Paul marks and a second

Node	Latitude	Longitude
A	23*54'37.00"N	85° 1'36.52' F
B	23*5413.98"N	85° 3'11.60"E
¢	23*51'22,45*N	85° 3'11.99"E
D	23°51'23.49"N	85" 2'5.42"E
E	23'51'45.80"N	85° 1'50.02°E
F	23*52'40.52"N	85° 2'3.06"E
G	23*52'46.74'N	85* 1'24.78°E
н	23'53'21.39'N	85° 1'39 11"E
1	23*53'54.10"N	85° 1'15.39"E

PROJECT OFFICER CHANDRADUPT OPEN CAST PROJECT AMRAPALI-CHANDRADUPT AREA, CCL

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division

2. Physiology and Drainage

Climate

The climate is tropical with severe summer. The temperature during summer (March-June) goes as high as 45°C. Summer days are hot with dusty wind, but nights are generally pleasant. The minimum summer temperature is 23°C. The winter (November-February) is cold and the minimum temperature recorded is 2 to 3°C. The average annual rainfall in the district is 1225.6 mm. During the monsoon season June to September the district receives about 85% of the annual rainfall. July is the rainiest month with an average rainfall of 315.7 mm.

Topography

The block is characterized by more or less flat terrain with gentle undulations. The maximum elevation of 500m is observed near borehole no CNKP-88 & CNKP-91. The minimum elevation is about 445m on the bank of the Barki River.

Drainage

Barki River flowing from Nort-South direction forms the principal drainage within the study area. It flows in the North-South direction and touches the western boundary of the ML area. The Chundru River marks the southern boundary of the block whereas Barki River is the western limit of the boundary at 60m. The study area also shows the presence of the Garhi River. The Barki River and Chundru River are the major tributaries of Garhi River. The southerly flowing Garhi River is the master drainage and perennial source of water for the area. The drainage pattern of the area is mostly dendritic in nature, wherein the smaller stream meets the larger at an acute angle.

3. Present Landuse

Chandragupt OCP is a green-field project, and hence core zone mainly consists of forestland, vegetation and agricultural land. No industrial activity observed in the core zone. The detailed land use pattern as per the remote sensing data is as given below.

	Area Statistica - Chi	adding	lipt Of	CP (20	22)	
-	Choses	Celes	Cep	Xees	Beffer	Zano
Lavei-7	Level-II		Aven (Km ²)	% of Total	(Kn ⁴)	76-m Tota
1.000	Derre Finnt	12-22	0.00	18.00	98.50	20.1
Financiand.	Oper Forest	1000	3.41	22.85	E1.00	169
	Total Forest Local	1.0	3.41	33.82	179.55	37,4
	Scribs	3622	3.21	21.50	.65.34	14.5
	Smith Forestry	建設 時	0.00	0.00	-0.08	- 84
Platation	Elementes on dia	1.2.4	nat	0.00	0.1/	0.0
Ana	Plasmike or Backfit.	105.0	0.00	0.00	0.00	
-	Total Plantation Area		6.66	6,60	0.13	4,6
Agrinulture Land)	Croplant	Yant	1,24	1.29	61.06	12.1
	Eshew Land	10.1	6.36	42.64	137.00	28.3
	Total Agricultury Lond		7.67	35,54	198.05	41.3
Waster Local	Warm Land	2014	\$15	1.00	8.22	1.7
	Sant Gody		0.00	8,00	234	6.4
	Tatal Warks Lond		0.15	1.00	10.32	2.1
	Cal Query	100	0.00	4.00	1.05	6.7
	Dwree OD Danes	Sec.4	0.00	0.00	1.90	63
Hore Area	Back Fil	MAR	4.01	0.60	2.55	41.5
nesgroup.	CostDorp	100	12-040	6.90	0.30	- 8.9
	Water Filed Qry	ほれの目	\$1/20	4.00	0.36	0.0
	Turni Mierny Arna	1.00	0.08	0.60	5,82	1.2
	Union Settements	1441	0.96	2.56	0.30	80
	Baral Sothmants	Picial I	(A)(X)	0.00	3.00	30.0
Williege and	Industrial Schlorung	5-K-4-	5-03	6.14	8.58	20
_	Total Sollicemat Area	1100	4.46	3,50	7.40	1.5
Mater Budy	River/Posts	10.00	0.14	1.64	8,54	1.7
	Total Area	-	14.94	193.05	479.82	103.5

Table: Landuse Pattern of Study area- Core Zone and Buffer Zone

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

PROJECT OFFICALT PROJECT

4. Soil Quality Status

Soil samples were collected from three identified locations around the study area during study period to generate primary information on soil quality prevailing in the study area. These samples were collected once during the study period and preserved in polythene bags / Pet jar having lock facility. The parameters tested and methodology adopted are as follows:

Sn	Parameter	Unit	Test Method
1	pH		IS:2720 (Part 26)
2	Water Holding Capacity	96	USDA Method
3	Electrical Conductivity	µS/cm	IS: 14767:2000
4	Available Nitrogen	kg/ha	TP/C/4.7
5	Available Phosphorus	kg/ha	TP/C/4.5
6	Available Potassium	kg/ha	TP/C/4.6
7	Sodium absorption ratio (SAR)		S.K. Maithi (Volume 2)
8	Available Organic Carbon	%	IS:2720 (PART 22)
9	Cation exchange capacity	meq/100g	TP/C/4.14
10	Specific Gravity		IS:2720 (PART 3)
11	Field Capacity	%	S.K. Malthi (Volume 2)
12	Wilting Coefficient	96	S.K. Maithi (Volume 2)
13	Texture		IS:2720 (PART 4)
	a) Sand	95	IS:2720 (PART 4)
	b) Slit	%	IS:2720 (PART 4)
	c) Clay	96	IS:2720 (PART 4)

The detailed observation made for soll quality during the study period is below -

Table: Soil Monitoring at Station S1

Location: Bhadai khap Village Agriculture Land (S1)

			RESULTS		
SI. No.	TESTS	30CM	60CM	90CM	
1	рН	6.5	6.2	5.8	1.1.12-
2	Elec.Conductivity(µ mhos/cm)	324.6	298.7	267.5	wown Kumar LF.S
3	Nitrogen Av.(kg/ha)	422.7	378.0	200 6 100	ional Forest Other
4	Phosphorous Av. P2O5 (kg/ha)	16.3	11.5	8.7 Chutra	South Forest Divis
5	Potash Av.(kg/ha)	286.5	241.2	179.1	
6	Organic Carbon (%)	0.62	0.51	0.34	
7	Specific Gravity (%)	2.3	2.4	2.5	
8	SAR (meq/l)	1.08	1.1	1.06	
9	WHC (%)	34,6	28.9	25.6	
10	Field capaicity (%)	14.2	145,9	16.2	

11	Wilting Coefficient	0.72	6.67	0.54
12	Grain Size Distribution			
A	Textural Class	Sandy Loam	Sandy Loam	SandyLoam
в	Sand(%)	\$7.2	55.7	59.1
С	Silt(%)	26.4	32.0	31.6
D	Clay(%)	16.4	12.3	9.3
13	Cation Exchange Capacity (mer/100g)	31.4	29.2	30.5

Table: Soil Monitoring at Station S2

Location: Bhadai khap Village Barren Land (S2)

Su	TESTS		RESULTS	
50		30CM	60CM	90CM
1	pH (1:5)	6.1	5.8	5.5
2	Elec. Conductivity (a mbos/em)	307.2	359.7	326.2
\$	Nitrogen Av.(kg/ha)	274,1	231.0	144,6
4	Phosphorous Av. P2O5 (kg/ha)	7.1	5.2	3.8
5	Potash Av.(kg/ha)	193.6	147.7	124.0
6	Organic Carbon (%)	0.31	0.21	0.10
7	Specific Gravity (gm/cc)	2.4	2.5	2.5
8	SAR (meq/l)	1.2	1.3	1.2
9	Water holding Capacity (%)	18.7	19.6	26.5
10	Field capacity (%)	8.6	7.8	6.8
11	Wilting Coefficient	0.60	0.57	0.48
12	Grain Size Distribution			
A	Textural Class	Sandy Loam	Sandy Loam	Sandy loam
8	Sand(%)	58.3	59.4	61.2
С	Silt(%)	31.9	32.8	32.4
D	Clay(%)	9,7	7.8	6.4
13	Cation Exchange Capacity (meq/100g)	20.7	18.1	16.1

Mukesh Kumar I. Divisional Forest Of Chatra South Forest D

Table Soil Monitoring at Station S3

Location: Bukru Village Forest Land (S3)

SI.	TESTS	RESULTS				
No.		30CM	60CM	90CM		
1	рн	6.3	6.4	6.1		
.2	Elec.Conductivity(µ mhos/cm)	271.3	297.6	262.1		
3	Nitrogen Av.(kg/ha)	308.4	273.2	196.3		
4	Phosphorous Av. P2O5 (kg/ha)	10.4	8.6	6.3		
5	Potash Av.(kg/ha)	282.5	210.5	186.2		
5	Organic Carbon (%)	0.52	A 0.38	0.27		

PROJECT OFFICER CHANDRAGUET OPEN CAST PROJECT AMRAPALI-CHANORAGUET AREA, CCL

9	Specific Gravity (%)	2.3	2.2	2.3		
8	SAR (meq/l)	1.1	1.1	1.0		
9	WHC (%)	29.6	28.6	25.7		
10	Field capacity (%)	12.3	14.3	12.8		
11	Wilting Coefficient		0.65	0.54		
12	Grain Size Distribution					
٨	Textural Class	Sandy Loam	Sandy Loam	Sandy loam		
Q	Sand(%)	57.2	59.4	58.4		
C	Silt(%)	30.0	30.9	35.1		
D	Clay(%)	12.7	9.6	6.4		
13	Cation Exchange Capacity		25.5	21.9		

Table showing Soil Classification

Soll Test	Classification	
<i>p</i> H	<4.5 Extremely acidic 4.51–5.50 Very Strongly Acidic 5.51-6.0 Moderately Acidic 6.01-6.50 Slightly Acidic 6.51-7.30 Neutral 7.31-7.80 Slightly Alkaline 7.81 8.50 Moderately Alkaline 8.51-9.0 Strongly Alkaline 9.01 Very Strongly Alkaline	
Salinity Electrical Conductivity (mmhos/cm) (1ppm = 640 mmho/cm)	Up to 1.00 Average 1.01 -2.00 harmful to germination 2.01 - 3.00 harmful to crops (sensitive to salts)	
Nitrogen (kg/ha)	Upto 50 very Less 51-100 Less 101-150 Good 151-300 Better >300 sufficient	
Phosphorous (kg/ha)	Upto 15 Very Less 16-30 Less 31-50 Medium, 51-65 on an Average Sufficient 66-80 Sufficient >80 more than Sufficient	Mar
Potassium (kg/ha)	0 120 very less 120-180 less 181-240 medium 241-300 average 301-360 better >360 more than sufficient	Mukesh Kumur LF.S Divisional Forest Officer Chaim South Forest Division

Source Handbook of Agriculture, Indian Council of Agricultural Research, New Delhi *

Rating chart for the soil test data for Organic Carbon

Soil Parameters	Low	Medium	High
Organic Carbon	< 0.50 %	0.50 - 0.75%	> 0.75%

Source: Text Book of Soll Science by R. K. Mehro

Table: Soil Observation & Classification as per ICAR Soil Classification Standard and rating chart for the soil test data for Organic Carbon

Location	Depth (cm)	рН	Organic Carbon (%)	Available Nitrogen	Available Phosphorus	Available Potassium
				OHANCRAGUPT	CT GFELER OPEN CAST PROJECT CRASUPT ANZA, CT.	

Bhadai Khap	0-30	Neutral	Medium	Sufficient	Less	Average
Village Agriculture	30-60	Slightly Acidic	Medium	Sufficient	Very Less	Average
Land (S1)	60-90	Neutral	Low	Better	Very Less	Less
	0-30	Slightly Acidic	Low	Better	Very Less	Medium
Bhadai Khap Village Barren Land (S2)	30-60	Moderately Acidic	Low	Better	Very Less	less
	60-90	Very Strongly Acidic	Low	Good	Very Less	Less
Bukru Village	0-30	Slightly Acidic	Medium	Sufficient	Very Less	Average
Forest Land (S3)	30-60	Slightly Acidic	Low	Better	Very Less	Medium
	60-90	Slightly Acidic	Low	Better	Very Less	Medium

Essential parameters which determine the fertility of the soil are:

pH: The soll pH varies from very strongly acidic to neutral in nature;

Nitrogen: The nitrogen content in the Forest Land (S1) and Agricultural Land (S2) is observed to be in sufficient and better category at all sampling depth whereas in barren land nitrogen varies from good to better.

Phosphorus: The phosphorus content in the Agricultural Land (S1), Barren Land (S2) and Forest Land (S3) is observed to be in less to less category; and

Potassium: The potassium content in the study varies from less to average.

Since the PK values are less in most areas, fertilizer supplements will be required for increasing the agricultural productions.

> PROJECT OFFICER CHANORAGUPT OPEN CAST PROJECT AMRAPALICHANDRAGUPT AREA, COL

Muketh Kumar LFS Divisional Forest Officer Chastra South Ferent Division

- 5. Topsoil Management
- 5.1 Introduction

Topsoil is that uppermost layer of soil capable of growing and supporting vegetation. Topsoil contains the essential microorganisms, nutrients, organic matter, and physical characteristics necessary to grow and sustain permanent vegetation.

The salvaging, stockpiling and re-application of topsoil to be used as growth medium in the reclamation of Internal & External overburden dumps within the mining area is a major environment protection programme. Soil management in opencast mine is necessary to reestablish the stability & productivity of land disturbed due to mining activity.

Two factors influence how topsoil performs as a growth medium. One is the quality of the topsoil and other is the depth of the topsoil. The higher the quality of the topsoil and the greater the depth in relation to the root zone, the better the soil will support healthy plant growth and encourage infiltration.



Fig :- Soil Profile

The factors influence the characteristics of topsoil are climate, vegetation and organic matter, topography and physiography, mineralogical constituents, surface processes, biological activity and human activity.

5.2 Stripping of Top Soil

Top soil should be stripped only from the area which will be disturbed by Excavation, filling, Infrastructure etc. Approx. 30 cm of top soil is stripped depending upon the soil profile at site. Depth of stripping is determined by taking soil core at several locations.



Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Divisio

5.3 Details of Topsoll generation from Chandragupt OCP

Total top soil to be generated is approximately 3.90 MCum and this total volume of top soil will be utilized for concurrent biological reclamation of internal dumps, Embankment and Green belt.

The top soil staked in an area of about 22.48 Ha in initial 15 years up to maximum height of 8m in 3 deck having slope 2H:1V which will be kept in Usru Village on Non-Forest land. Afterward as the mine developed the top soil is directly applied on the area to be reclaimed.

> PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

Total Utilize 0.13 0.18 0.23 0.43 3.02 1.51 3.27 3.90 Used in Green Belt Area 0.03 0.06 0.06 0.08 0.08 0.08 0.08 0.08 0.08 0.08 Top Soil Used (Mcum) Sprending Over Backfill Area 0.00 0.02 0.07 0.17 0.25 2.84 3.09 3.72 1.32 3.72 Spreading Over Embankment 0.10 01.0 0.10 0.10 0.10 0.10 0.10 0.10 01.0 0.10 0.10 Top Soll Removal Plan (Mcum) 0.13 0.52 1.57 2.25 3.47 3.86 3.90 3.11 3.90 Ycar/Stage Y-44 Post Closure 01-X Y-20 Y-25 Y-30 Y-15 Y-35 14-5 Y-S Y-3 Y-1

CHAMDRICHICA CHANDER CHAMDRICH

Chatra South Forest Division Divisional Forest Officer Mukesh Kemar I.F.S. Sell Kon

Top soil so generated will be utilized in embankment, spreading over backfill area and in Green Belt Area. Details are given in below table.

5.3 Site location

The site should be flat and established proper erosion and sediment control structure such as diversion, berms, dikes, waterways and sediment basin.

Immediately prior to spreading the top soll, loosen the subgrade by disking or scarifying to a depth of at least 100 millimeters to ensure bonding of the topsoil and subsoil.

If sufficient topsoil is available, a minimum compacted depth of a half meter on 3:1 slopes and one meter on flatter slopes is suggested.

Compact the topsoil enough to ensure good contact with the underlying soil, but avoid excessive compaction, as it increases runoff and inhibits seed germination. Light packing with a roller is recommended where turf is to be established.

5.4 Stockolling

Top Soil will be stacked on the flat horizontal area and where there is no natural drainage. Sediment barrier is provided to retain sediment.

Temporary seeding - protect topsoil stockpiles by temporarily seeding as soon as possible, within 30 days after the formation of the stockpile.

Permanent vegetation - If stockpiles will not be used within 12 months they should be stabilized with permanent vegetation to control erosion and weeds.

As the mine pits expand, there will be more opportunity to strip top soil and apply it directly to area to be reclaimed, thus avoiding topsoil stockpiling. Freshly stripped and placed topsoil retains more viable seed, micro-organisms and nutrients than stockpiled soil. Vegetation establishment is generally improved by the direct return of topsoil and is considered 'best practice' topsoil management.

5.5 Maintenance and Inspection

Periodic inspection and maintenance will be required. Make any repairs necessary to ensure the measure is operating properly. Repair and reseed if necessary to control erosion and loss of topsoil. This periodic maintenance procedure applies to either temporary soil stabilization or permanent seeding application

PROJECT OFFICER CHANCRACUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA COL

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division



Fig: Proposed Working Plan of Chandragupt OCP showing Location of Topsoil Dump

PROJECT OFFICER CHANDRAGUPT OPEN CAST PEC ANRAPALI-CHANDRAGUFT ANLA

Mukesh Kumar LF.5 Divisional Forest Offic Chatra South Forest Divi

5.6 Topsoil Conservation with Grass and Shrub Species

TThe main objectives of topsoil conservation is to minimize soil erosion from wind and water runoff, enhance soil

Grass Species Selection:

- Choose a mix of native grass species suitable for climate, soil type, and rainfall. Here are some nptions based on their characteristics:
 - Fast Establishment: Doob Grass (Cynodon dactylon)
 - Erosion Control on Slopes: Vetiver Grass (Chrysopogon zizanioides)
 - Drought Tolerance: Dichanthium annulatum (Ditch Pal Grass)
- 2. A mix of these will be most suitable combination.
- 3. Planting Techniques:
- Sow the grass seeds directly onto the prepared seedbed following the recommended seeding rate for each species.
- 5. Lightly rake the seeds into the soil to ensure good seed-to-soil contact.
- 6. Apply a thin layer of mulch (straw, hay) to retain moisture and suppress weed growth.

S.N.	Name of Species	Common Name	Family Name	Habitat	Purpose
1	Cynodon daeiylon	Doob Grass	Poaceae	Grats	Doob grass is a fast-growing, low-growing perennial grass that forms a dense mat, which helps prevent soil erosion. It's well-adapted to various soil conditions and tolerates moderate foot traffic.
2	Cyrtococcum putens	Lemon Grass	Ровоеае	Grown	Its root system can provide some limited stabilization, and it grows relatively quickly.
3	Saccharum spontaneum	Wild sugarcane	Poaceae	Grass	This tall grass grows in large clumps and is native and drought resilient.
•	Cenchrun pedicellatus	Deenanath Gruss	Poaceae	Grass	This Grass is a many- branched leafy annual grass up to 1 m tall which will help in wind erosion and control erosion of soil.
	Dichanthium annulatum	Ditch Pal grass	Poweae	Perennial grazs	This is a perennial grass, up to about 25 cm tall and will be suitable for soil ercsion control.
	Chrysopayon zizanlohies	Vetiver grass	Poaceae	parential grass	Vetiver grass (Chrysopogon ziznnioides) is an exception with its thin fibroas roots penetrating vertically up to 3- 4 m (Hellin & Halgh, 2602), thus, this grass is an agent of both erosion reduction and ensuring slope stability against shallow landslides Divisional Forest

al Forest Office Chatra South Forest Divis

CHANDRAGUPT OPEN CAST PROJECT ANTRAPALI-CHANDRAGUPT AREA, CCL

	сотраських	Cerpot Grass	Poaceae	Grats	As a covering mat, it can control erosion and provide some protection against infestation by more noxious weeds.
5	Dodonnes viscosa	Hop bush	Sapindacese	Shrub	These are all shrubs species, which will offer wind protection to soil
6	Clerodendrum Infortunatum	Hill glory bower	1.smiaceae	Perrineal Shrub	
7	Woodfordia fruticom	Fire flame bush	Lythracoae	Stands	
8	Clerodendrum phlomoides	Sage Glory Bower	Lamiaceae	รักราช	
9	Vitex negundo	Chaste tree	Lamiasees	Shrub	

Additional Considerations:

- Slope Stabilization: For steeper slopes, consider additional ension control measures like jute mats or wattles alongside the grass cover.
- Long-Term Seeding: If long-term cover is desired, consider incorporating slow-growing, native bunchgrosses alongside the fast-establishing species for a more diverse and sustainable solution.
- Post-Seeding Activities: Once the topsoil is stabilized, plan for future land use. This could involve planting trees, shrubs, or crops suited for the revitalized soil.

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Mukesh Kumar LF.S Divisional Forest Officer Chetra South Forest Division



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-17

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-6

Chandragupt OCP undertake that "Top Soil Management Plan as recommended by the State shall be prepared and implemented at the cost of the user agency"

Mukesh Kumar LES Divisional Forest Officer Chatra South Forest Division Project Officer Chandragupt Open Cast Project CCEROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT ANDRAPALI-CHANDRAGUPT AREA. CEL



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-18

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-7

Chandragupt OCP undertake that "No mining shall be carried within 60 mtrs from HFL of the Barki River and green belts as per norms shall be maintained around the other water bodies)"

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project CHANDRAUET OFFICER CHANDRAUET OFFICER

Annexure 1919



सेन्ट्रल कोलफील्ड्स लिमिटेंड (गवा गत्मार का एक जड़ान / कोल शोवज ति. की एक अनुमंगी भवती) पंजीवृत कार्यालय : दरमंगा हाउस, तेंची १८४८ ००१ (झारखण्ड) (NI - U100000195855000081

AMRAPALI & CHANDRAGUPTA AREA

फोन (0651)2365605,2360479;मेरे gmfrat.cc@coalindia.in वेवस्पडट: www.centralcoalfields.in

Ref No.: GM(A-C)/PO Chandragupt/NOC/2024-25/2 7-3-

Date: or/11/2014

To

The Chief Engineer, Water Resource Department, Hazaribagh.

PROJECT

CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, COL

Sub: Request for In-Prinicipal Approval/NoC for diversion of Chotki Nala at Chandragupt Project under CCL-Reg.

Ref.1. Your Letter No.:2/PMC/ 開閉4/1041/2022/916 dated 28.10.2024.

Our Letter No: CCL/DTO/WRD/Chandragupta/2024-25/119 dated 24.06.2024.
 Our Letter No:GM(Co-Ordination)/Chandragupt/2022-23/31 dated21.10.2022.

Dear Sir,

This is to bring your kind knowledge that as advised by your good office, the detailed project report for diversion of Chotki Nala has been prepared by IIT, Roorkee and submitted the vide letter No: 22-23/31 dated 21.10.2022, further, as per instructions of your office the team had inspected the site and given their opinion for the proposed nala diversion.

Accordingly Chief Engineer, Design (Planing & Hydrology),Ranchi and water Resources,Jalbhawan,Ranchi also given their opinion for the nala diversion in respect of Chandragupt Project.

Meanwhile, examining the environmental clearance (EC)for this project ,MoEF&CC ,New Delhi has raised ADS/EDS on 15.03.2024 one of the conditions for compliance stipulated in the ADS/EDS is to take approval/NoC from the concerned state authority for diversion of Chotki Nala falling within the lease of Chandragupt OCP.

Purther it is mentioned that the Proposal is pending due to Standard Operating Procedure-cum-Guideline from the state water resources department, finally the SOP-cum-Guidelines issued and informed us under the reference letter No:2/PMC/ RR#/1041/2022/916 dated 28.10.2024.

Chandragupt OCP has followed the Standard Operating Procedure-cum-Guideline and completed the application for diversion Chotki nala with all respects under the SOP.

Mukesh Kumar LFS Divisional Forest Officer Chatra South Forest Division

In view of the above, it is hereby kindly requested to kindly consider the subject proposal and accord in principal approval/NoC for diversion of Chotki NaIa at Chandragupt OCP so that the submission of compliance of Environmental Clearance in respect of Chandragupt OCP is done at the carliest.

Anticipating the kind counideration from your good office.

With best regards.

Yours faithfully

Project Officer, Chandragupt Project Amrapali- Chandragupt Area Central Coalfields Limited

Annexures: 1) Approval copy of Mining Plan

2) Sec-11 Under CBA(A&D) ,act, 1957 for Land Acquisition.

3) DPR from IIT, Roorkee

4) ADS/EDS copy issued by MoEP&CC, New Delhi

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

Annexuse -20(A)



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-20

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-8

Chandragupt OCP undertake that "The Chotki Stream shall be diverted after getting approval of competent Authority only"

Project Officer Chandragupt Open Cast Project CCL

Divisional Forest Officer Chatra South Forest Division



झारखण्ड सरकार

Government of Jharkhand

मुख्य अभिवंता का कार्याखय रुपांकण, समझ योजना डवं जल विमान (जल शंसाधन विभाज) जल भवन, कमरा शं-203, होश्णहा, शैंची- 834002 c-mail - cedesign-wrd-jhr@nic.in

/राधी, दिनांक

मो० जमील अख्तर, मुख्य अमियंता

सेवा में,

पत्रांक :--पेषक.

> मुख्य अभियंता, योजना मोनिटरिंग एवं आयोजन, जल संसाधन विभाग, झारखण्ड राँची।

Diversion of Chotki River and Straightening of Barki River- Passing through auu:-Chandragupt Coal Mine Lease hold area के संबंध में।

i. मुख्य अभियंता, जल संसाधन विभाग, हजारीबाग का पत्रांक :- 158 दिनांक :-प्रसंगः-11.02.2025

ii. विभागीय संकल्प झापांक- 446, दिनांक 04.10.2024

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्रों के संदर्भ में सुधित करना है कि विभागीय संकल्प ज्ञापांक-446, दिनांक 04.10.2024, नाला के Diversion (प्रथातरण) हेतु Standard Operation Procedure-cum-Guidelines की कंडिका 6 A (c) के संदर्भ में मुख्य अभियंता, जल संसाधन विभाग, हजारीबाग का पत्रांक :- 158 दिनांक :- 11.02.2025 से प्रस्ताव पर NOC की अनुशंसा की गई है। क्षेत्रीय स्तर से प्राप्त प्रतिवेदन में Diversion Proposal को Site Conditions के अनुरूप पाया गया है एवं NOC की जुनशंसा की गई है जिसकी छायाप्रति इस पत्र के साथ संलग्न है।

अतः जपरोक्त अनुशंसा एवं आवेदक द्वारा समर्पित DPR के पृष्ठ संख्या- 98 (6 Conclusion and recommendation) के संदर्भित अंश "Diversion of the Chokti river and the straightening of meander of the Barki river would not affect the flow downstream of the Chainage 375 m. Thus, any structure on the Barki river or Chunro river would not be affected with proposed diversion." के आलोक में विषयक प्रस्ताव की अनुशंसा की जाती है।

यह आपके सचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

अन्०- यथोक्त।

विश्वासभाजन

Bo/-(मो० जमील अख्तर) मुख्य अभियंता / (前), देनाक- 25.02.25

मागंक- 206 प्रतिलिभिः- परियोजना पदाधिकारी, चन्द्रगुप्त ओपन कास्ट प्रोजेक्ट, आग्रपाली-चन्द्रगुपा क्षेत्र सी०सी०एल० को सूचनार्थ प्रेषित।

मख्य अभियंता

CHANORAGUPT OF ENTERING LOUGH ORACHIPT AREA, CCL

E/Office of Hydrology docs
Innexure -20 (R)

मुख्य अभियंता का कार्यालय, जल संसाधन विभाग, हजारीबाग।

पत्रोक- 02/यो0-01-12/2017 (भाग-5)-

/ हजारीबाग, दिनांक-

प्रेषक:-

ई० हेमन्त कुमार लोहानी. मुख्य अभियन्ता ।

सेवा में,

मुख्य अभियंता, योजना, मोनिटरिंग एवं आयोजन, जल संसाधन विमाग, झारखण्ड, राँची ।

विषय:- Request for in-Principal Approval /NOC for diversion of Chotki Nala at Chandragupta Project Under CCL-Reg

प्रसंगः-

विभागीय पत्रांक-2/PMC/विविध/1041/2022-916 दिनांक 28-10-2024 एवं CCL का पत्रांक GMA(A-C)/PO Chandragupt/NOC/2024-25/277 दिनांक 01-11-2024

महाशय

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में विभागीय संकल्प संख्या-448 दिनांक 04-10-2024 द्वारा संसूचित प्रयांतरण संबंधी Standard Operating procedure cum guidelines के अनुरूप अधीराण अभियंता, जलपथ अंचल, हजारीबाग के पत्रांक 57 दिनांक 30-01-2025 द्वारा Request for in-Principal Approval /NOC for diversion of Chotki Nala at Chandragupta Project Under CCL-Reg संबंधी प्रस्ताव पर अनापति प्रमाण पत्र निर्गत करने हेतु अनुशंसा सहित प्रतिवेयन प्राप्त, विषयांकित प्रस्ताव पर अनापति प्रमाण पत्र निर्गत किया जा सकता है।

अनु०-यथोक्त।

विश्वासभाजन

ह0/-(हेमन्त कुमार लोहानी) मुख्य अभियंता।

ज्ञापांक-

हजारीबाग, दिनांक-

प्रतिलिपि, अधीक्षण अभियंता, जलपथ अंचल, हजारीबाग एवं कार्यपालक अभियंता, जलपथ प्रमण्डल, हजारीबाग को सचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

> ह0/-(हेमन्त कुमार लोहानी) मुख्य अभियंता।

ज्ञापांक- 131 हजारीबाग, दिनांक- ०५/०२/२०२५ उप जानवता। प्रतिलिपि, M/S Sushee Chandragupt Coal Mine Private Limited, Banajara Hills, Hyderabad, Telangana-500034 (E-mail: info@sccmpl.com) को सूचनार्थ एवं आवश्यक लार्रवाई हेत् प्रेषित।

> (हेमन्त कुगार लोहानी) मुख्य अभियंता।

PROJECT CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA. CCL

Annexure -21



Date:

Project Officer

CCL oronovar mound

AMPARATICRAMITERS AND ATES, CEL

Chandragupt Open Cast Project

Annexure-21

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-9

Chandragupt OCP undertake that "to prepare a human-elephant conflict mitigation plan which will be funded by the User Agency and will take necessary measure to mitigate drivers of negative human-elephant conflicts and paying timely compensations and ex-gratia"

Mukesh Kumar LFS Divisional Forest Officer Chuire South Forest Division

0	Column 1	Column 2
	Name of Regional Office	Integrated Regional office Ranchi
	State/District/Forest Division to which the proposal relates	Jharkhund/Chatra&Hazaribagh/Chatra South & Hazaribagh West
-	Name of User Agency, Name of Proposal	Central coalifields limited, Chardragupt Opencast Mining Project
4	Nature of Category of Proposal	Mining
10	Proposal No.	FP/JI4/MIN/140599/2021
0	Extent of Forest Area involved	699.38 Ha
K	Whether original or extension	Original (land acquired under CBA Act)
00	If the extension of lease, please clarify if proposal involves additional forest area and if so specify	NA
0	Dated of 1st Stage clearatee	File No. 8-24 /2023-FC dated 27.05,2024
10	Extent of CAMPA Charges, head wise viz.	
	a) Compensatory afforestation	Rs 164,36,19,381.00
E	b) Additional compensatory afferestation	NA
	c) Penal comparisatory afforestation	NA
	 c) Catchment area treatment 	Rs 19,47,00,340.00
	e) De-Siltation Plan	Rs 7,00,79,000.00
	D Additional charges for diversion of area falling under notified/protected area	NII
1	e) Net present value	Rs. 85,92,51,274.40
E	(i) any other charges/levics (pieze specify) Safety Zone+ Forest Produce + Cess + Tax- Penal NPV	MA
E	t. Petral NPV	NA
	ii. Soil and Moisture Conservation Plan (SMC) (@ 0.5% of Project Cost)	Rs 4.86.75.085.00
	iii. Wildlife management plan (WLCP)@2% of Project Cost)	Rs 48,05,92,000.00
	Total =	Rs 329,69,17,080.40
=	If the payment made through challan or otherwise in case of online payment, details of challan	Attached
Line Line	Sign of DFO (Hazarbagh West)	Sign of Nodel Officer

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Annexure 22

Annexure-22

Divisional Forest Officer Chatra South Forest Division

CHANDRAGUPT CREW CLUT P AVEARAU COUNTRACUT I **

	Details of deposits						
SIL No	Type of Deposit (NPV/CA/WM P/Others)Specify	Whether (RTGS/DD /NEFT (Specify)	UTRDD No.	Amount Deposit (Rs.)	Dated of Deposit	Name of Bank from which amount transferred to account of CAF	Bank Account of CAP managed by CAMPA in which fund deposited.
-	NdN	RTGS	ICICR4202/12110000859	85,92,51,274.00	11.12.2024	ICICI Bank Ratu Rond Ranchi	CAF Accosurt Jhurkhand (A/C No.1507258140599645) Union Bank of India Branch Jellita Towers, Missian Road, Bengaluru- 560077
6	WLCP	RTGS	ACHUR420324121100000899	19,47,60,340.00	11.12.2024	ICICI Bank Ratu Rood Ranchi	CAF Account Tharkbard (A/C Na 1597 258140300045) Union Bank of Iraha Branch letitta Towers, Mission, Rood, Bengahmu- Scottyp
8	SMC	RIGS	ICICR42024121100030859	4,86,75,085.00	11.12.2024	ICICI Bank Ratu Road Ranchi	CAF Account Barkhool (AC No 1507258140559645) Ureion Bark of Itodia Branch Jolita Towers, Missoon Road, Bengalau-
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Sign of DFO (Chatra South) Mukesh Kumar LFS Divisional Forest Officer Chatra South Forest Division

Sign of DFU (Hazaritagh West)

Sign.of.Nodal Officer

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Hazaribagh Forest West Division Demand Raised	36,66,35,828.00	NA	NA	54,51,52,566.00	NA	10,98,66,000.00	4,34,41,000.00	106,50,95,394.00	Gon of DGO (Herminian
Chatra South Forest Division demand Raised	49,26,15,446.40	19,47,00,340.00	4,86,75,085.00	82,10,67,915.00	27,73,98,900.00	37,07,26,000.00	2, 66, 38, 000.00	223,18,21,686.40	Mall 12
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Sign of Nodal Officer

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Ltr.No.1129 Dtd.31,05.2024

DFO, Chata (South) vide

Lir.No.3331 Did.04.06 2024.

Ltr.No.2118 Ded.25, 10:2024

DFO Chatra (South) vide

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Date:

Annexure-23

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12

Chandragupt OCP undertake that "The all the activities will be carried out as per approved Mine Plan."

Mukesh Kumar LF.S Divisional Forest Officer Chetra South Forest Division

Project Officer Chandragupt Open Cast Project CHANDRAGUPT OPEN CAST PROJECT AMBAPALI-CHANDRAGUPT AREA, CCL

Annexure -24

Top Soil Management

of

Chandragupt OCP

(Normative-15.00/Peak-20.00 MTPA) Project Area- 1495 Ha (North Karanpura Coalfields, Dist: Hazaribagh & Chatra State: Jharkhand)



Mukesh Kumar LF.S **Divisional Forest Officer** Chatra South Forest Division

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July 2024

Central Mine Planning and Design Institute Limited Gondwana Place, Kanke Road, Ranch

> PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT

1. Project Description:

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Chandragupt OCP is a Greenfield opencast coal mining project located in the North Karanpura Coalfields, failing in both Hazaribagh & Chatra districts of Jharkhand. This project is covered in Survey of India Topo-sheet no. 73A/13 and 73E/1, and is bounded between latitude 23°51'30" to 23°54'45" N and longitude 85°01'15" to 85°03'15".

The details of revenue villages falling within the project boundary are as given below:

Si.No	District	Tehsil	Villages
01	Hazaribagh	Koradari	Badhaikhap, Buleru, Chatti-Bariyatu, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua
02	Chatra	Tandwa	Usru

	Node	Latitude	Longitude
	A	23"54'37.00"N	85" 1'36.52"E
	B	23°54'13.98"N	85° 3'11.60° E
and the second second	с	23*51'22.45"N	85° 3'11.99°E
	D	23*51'23.49"N	85° 2'5.42*E
	E	23*51'45.80"N	85*1'50.02*E
	F	23*52'40.52"N	85° 2'3.06"E
	G	23*52'46.74*N	85*1'24.78"E
And the second second	H	23'53'21.39"N	85° 1'39.11°E
and the second	1	23*53'54.10"N	85" 1'15.39"E

Mukesh Kumar LES Divisional Forest Officer

Divisional Forest Officer Chatra South Forest Division

PROJECT OFFI CHANDRAGUPT OPEN CAST PROJECT AMERICAN CHRIDMATHET AREA. CCI.

2. Physiology and Drainage

Climate

The climate is tropical with severe summer. The temperature during summer (March-June) goes as high as 45°C. Summer days are hot with dusty wind, but nights are generally pleasant. The minimum summer temperature is 23°C. The winter (November-February) is cold and the minimum temperature recorded is 2 to 3°C. The average annual rainfall in the district is 1225.6 mm. During the monsoon season June to September the district receives about 85% of the annual rainfall. July is the rainlest month with an average rainfall of 315.7 mm.

Topography

The block is characterized by more or less flat terrain with gentle undulations. The maximum elevation of 500m is observed near borehole no CNKP-88 & CNKP-91. The minimum elevation is about 445m on the bank of the Barkl River.

Drainage

Barki River flowing from Nort-South direction forms the principal drainage within the study area. It flows in the North-South direction and touches the western boundary of the ML area. The Chundru River marks the southern boundary of the block whereas Barki River is the western limit of the boundary at 60m. The study area also shows the presence of the Garhi River. The Barki River and Chundru River are the major tributaries of Garhi River. The southerly flowing Garhi River is the master drainage and perannial source of water for the area. The drainage pattern of the area is mostly dendritic in nature, wherein the smaller stream meets the larger at an acute angle.

3. Present Landuse

Chandragupt OCP is a green-field project, and hence core zone mainly consists of forestland, vegetation and agricultural land. No industrial activity observed in the core zone. The detailed land use pattern as per the remote sensing data is as given below.

1	Cheses	Colour	Cent	Tere	B. Oak	Teres .
Levels	Lovel II		Area	76 of Total	Ann	Sold Total
	Denis Futuri	D HOR	0.00	0.07	96.50	20.5
Firest Lord	Dane Norell	1.855	3.41	00'80	\$1.06	14.0
102/01 40	Tatol Perent Land		3.41	23.82	179,55	31.4
	Senatio	188-2	2.21	21.55	63.84	14.5
	Secul Formary	States.	0.00	0.00	6-00	-0.8
Plentetien	Florentain wi Oil)	General A	6.00	0.00	0.12	0.0
A100	Physics of Raddill	20.00	-6.05	6.00	0.00	0.0
	Total Massative Area	-	0.09	6,00	0.33	41.12
Appiculant	Crop head	1000	1.26	8.20	61.00	12.7
Livel	Fallow Land		4.56	42.64	137.08	28.3
Lines .	Total Agricollers Land	1	7.65	50.54	Youri Arew Total (Him*) 0.00 95,92 22.01 81,04 22.22 81,04 22.42 179,55 21.54 60,54 0.00 61,05 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20 0.00 0.20	41.2
	Watto Land	State.	0.15	110	6.23	1.3
Winn Lard	Reval Testy		0.00	0.00	2.10	1.4
	Your Weste Land		6.15	1.00	10.32	2.3
	Cital Querry	1000	0.06	4.00	1.03	6.7
	Ilamin Oll Damp	可以行	800	4.00	1.60	63
Mining Area	Red TI	(DATE)	8.96	0.00	2.50	- ELX
ound was	Coalthenp	Real B	0.00	0.00	0.52	00
	Water PStell Qry	111111	exe	41/20	0.30	019
	Total Mining Area	1	0.94	0.00	5.83	1,2
-	linkan Eutlineusz	6100	0.50	2.50	0.12	- 60
athenesis .	Rumi Settlements	Status -	0.00	6.00	3.90	08
our second as	Industrial Stationeests	342.53	0.02	0.14	3.18	0.0
	Intal Sattlesset Area		0.41	2.70	7,40	1.5
Water Bally	River' Ponte	10.000	9.14	2.64	6.54	1.7
-	Toni Area	-	14.34	185.03	479.82	100.0

Table: Landuse Pattern of Study area- Core Zone and Buffer Zone

Mukesh Kuman Divisional Forest Officer

Chatra South Forest Division

PROJECT OFFE CHANDRAGUPT OPEN CAS? PROJECT AMPARAL CHANGRAGHPT AREA. CCL

4. Soil Quality Status

Soil samples were collected from three identified locations around the study area during study period to generate primary information on soil quality prevailing in the study area. These samples were collected once during the study period and preserved in polythene bags / Pet jar having lock facility. The parameters tested and methodology adopted are as follows;

Sn	Parameter	Unit	Test Method
1	pH	2	IS:2720 (Part 26)
2	Water Holding Capacity	%	USDA Method
3	Electrical Conductivity	µS/om	IS: 14767:2000
4	Available Nitrogen	kg/ha	TP/C/4.7
5	Available Phosphorus	kg/ha	TP/C/4.5
6	Available Potassium	kg/ha	TP/C/4.6
7	Socium absorption ratio (SAR)		S.K. Maithi (Volume 2)
8	Available Organic Carbon	945	15:2720 (PART 22)
9	Cation exchange capacity	meg/100g	TP/C/4.14
10	Specific Gravity		IS:2720 (PART 3)
11	Field Capacity	96	S.K. Maithi (Volume 2)
12	Wilting Coefficient	%	S.K. Maithi (Volume 2)
13	Texture		IS:2720 (PART 4)
	a) Sand	%	IS:2720 (PART 4)
	b) Silt	%	IS:2720 (PART 4)
	c) Clay	%	IS:2720 (PART 4)

The detailed observation made for soil quality during the study period is below -

Table: Soil Monitoring at Station S1

Location: Bhadai khap Village Agriculture Land (S1)

	-		RESULTS		
SI. No.	TESTS	30CM	60CM	90CM	
1	pH	6.6	6.2	5.8	
2	Elec.Conductivity(µ mhos/cm)	324.6	298.7	267.5	
3	Nitrogen Av.(kg/ha)	422.7	378,0	268.6	
4	Phosphorous Av. P2O5 (kg/ha)	16.3	11.5	8.7	
5	Potash Av.(kg/ha)	285.5	241.2	179.1 Ugilil 25	-
6	Organic Carbon (%)	0.62	0.51	0.34 Mukesh Kumar I	
7	Specific Gravity (%)	2.3	2.4	2.5 Divisional Forest O	ffio
8	SAR (meq/l)	1.08	1.1	1.06 Chatra South Forest D	Ave
9	WHC (%)	34.6	28.9	25.5	
10	Field capaicity (%)	14.2	15.9	16.2	

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALLICHANDRAGUPT AREA, COL

11	Wilting Coefficient	0.72	0.67	0.54
12	Grain Size Distribution			
A	Textural Class	Sandy Loam	Sandy Loam	SandyLoam
B	Sand(%)	57.2	55.7	59.1
C.	Silt(%)	26.4	32.0	31.6
D	Clay(%)	16.4	12.3	9.3
13	Cation Exchange Capacity (meq/100g)	31.4	29.2	30.5

Table: Soil Monitoring at Station S2

Location: Bhadai khap Village Barren Land (S2)

Sn	TESTS	RESULTS				
		30CM	60CM	90CM		
1	pH (1:5)	6.1	5.8	5.5		
2	Eleo. Conductivity (µ mhos/cm)	307.2	359,7	326.2		
9	Nitrogen Av.(kg/ha)	274.1	231.0	144.6		
4	Phosphorous Av. P2O5 (kg/ha)	7.1	5.2	3.8		
5	Potash Av.(kg/ha)	193.6	147.7	124.0		
6	Organic Carbon (%)	0.31	0.21	0.10		
7	Specific Gravity (gm/cc)	2.4	2.6	2.5		
8	SAR (meq/i)	1.2	1.3	1.2		
9	Water holding Capacity (%)	18.7	19.5	26.5		
10	Field capacity (%)	8,6	7,8	6.8		
11	Wilting Coefficient	0.60	0.57	0.48		
12	Grain Size Distribution					
A	Textural Class	Sandy Loam	Sandy Loam	Sandy loam		
8	Sand(%)	58.3	59.4	61.2		
C	Silt(%)	31.9	32.8	32.4		
D	Clay(%)	9.7	7.8	6.4		
13	Cation Exchange Capacity (meq/100g)	20.7	18.1	16.1		

Table Soil Monitoring at Station S3

Mukesh Kumar LF.S Divisional Forest Officer

Location: Bukru	Village Forest Land	(S3)
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SI.	TESTS	RESULTS				
No.		30CM	60CM	90CM		
1	pH	6.3	6.4	6.1		
2	Elec.Conductivity(µ mhos/cm)	271.3	297.6	262.1		
3	Nitrogen Av.(kg/ha)	308.4	273.2	195.3		
4	Phosphorous Av. P2O5 (kg/ha)	10,4	8.6	6.3		
5.	Potash Av.(kg/ha)	282.5	210.5	186.2		
6	Organic Carbon (%)	∧ 0,52	0.38	0.27		
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PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

7	Specific Gravity (%)	2.3	2.2	2.3
8	SAR (meq/l)	1.1	1.1	1.0
9	WHC (%)	29.6	28.6	25.7
10	Field capacity (%)	12.3	14.3	12.8
13	Wilting Coefficient	0.65	0.65	0.54
12	Grain Size Distribution			and the second sec
٨	Textural Class	Sandy Loam	Sandy Loam	Sandy loam
8	Sand(%)	57.2	59.4	58,4
С	Silt(%)	30.0	30.9	35.1
D	Ciay(%)	12.7	9.6	6.4
13	Cation Exchange Capacity (meq/100g)	29.2	25.5	21.9

Table showing Soil Classification

Soil Test	Classification	
рн	<4.5 Extremely acidic 4.51–5.50 Very Strongly Acidic 5.51-6.0 Moderately Acidic 6.01-6.50 Slightly Acidic 6.51-7.30 Neutral 7.31-7.80 Slightly Alkaline 7.81-8.50 Moderately Alkaline 8.51-9.0 Strongly Alkaline 9.01 Very Strongly Alkaline	
Salinity Electrical Conductivity (mmhos/cm) (1ppm = 640 mmho/cm)	Up to 1.00 Average 1.01 -2.00 harmful to germination 2.01 - 3.00 harmful to crops (sensitive to salts)	
Nitrogen (kg/ha)	Upto 50 very Less 51-100 Less 101-150 Good 151-300 Better >300 sufficient	
Phosphorous (kg/ha)	Upto 15 Very Less 16-30 Less 31-50 Medium, 51-65 on an Average Sufficient 66-80 Sufficient >80 more than Sufficient	Masilvar
Potassium (kg/ha)	0 -120 very less 120-180 less 181-240 medium 241-300 average 301-360 better >360 more than sufficient of Agricultural Research	Mukesh Kumar LF.S Divisional Forest Office Chatra South Forest Divis

Source Handbook of Agriculture, Indian Council of Agricultural Research, New Delhi *

Rating chart for the soil test data for Organic Carbon

Soil Parameters	Low	Medium	High
Organic Carbon	< 0.50 %	0.50 - 0.75%	> 0.75%

Source: Text Book of Soil Science by R. K. Mehro

Table: Soil Observation & Classification as per ICAR Soil Classification Standard and rating chart for the soil test data for Organic Carbon

Location	Depth (cm)	pН	Organic Carbon (%)	Available Nitrogen	Available Phosphorus	Available Potassium
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Bhadai Khap	0-30	Neutral	Medium	Sufficient	Loss	Average
Village Agriculture	30-60	Slightly Acidic	Medium	Sufficient	Very Less	Average
Land (S1)	60-90	Neutral	Low	Better	Very Less	Less
	0-30	Slightly Acidic	Low	Better	Very Less	Medium
Bhadai Khap Village Barren Land (52)	30-60	Moderately Acidic	Low	Better	Very Less	Less
	60-90	Very Strongly Acidic	Low	Good	Very Less	Less
Bukru Village	0-30	Slightly Acidic	Medium	Sufficient	Very Less	Average
Forest Land	30-60	Slightly Acidic	Low	Better	Very Less	Medium
(\$3)	60-90	Slightly Acidic	Low	Better	Very Less	Medium

Essential parameters which determine the fertility of the soil are:

pH: The soil pH varies from very strongly acidic to neutral in nature;

Nitrogen: The nitrogen content in the Forest Land (S1) and Agricultural Land (S2) is observed to be in sufficient and better category at all sampling depth whereas in barren land nitrogen varies from good to better.

Phosphorus: The phosphorus content in the Agricultural Land (S1), Barren Land (S2) and Forest Land (S3) is observed to be in less to less category; and

Potassium: The potassium content in the study varies from less to average.

Since the PK values are less in most areas, fertilizer supplements will be required for increasing the agricultural productions.

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AHOADAL LEHANDRACHET AKEA, CCL

- 5. Topsoil Management
- 5.1 Introduction

Topsoil is that uppermost layer of soil capable of growing and supporting vegetation. Topsoil contains the essential microorganisms, nutrients, organic matter, and physical characteristics necessary to grow and sustain permanent vegetation.

The salvaging, stockpiling and re-application of topsoil to be used as growth medium in the reclamation of Internal & External overburden dumps within the mining area is a major environment protection programme. Soll management in opencast mine is necessary to reestablish the stability & productivity of land disturbed due to mining activity.

Two factors influence how topsoil performs as a growth medium. One is the quality of the topsoil and other is the depth of the topsoil. The higher the quality of the topsoil and the greater the depth in relation to the mot zone, the better the soil will support healthy plant growth and encourage infiltration.



Fig :- Soil Profile

The factors influence the characteristics of topsoil are climate, vegetation and organic matter, topography and physiography, mineralogical constituents, surface processes, biological activity and human activity.

5.2 Stripping of Top Soll

Top soil should be stripped only from the area which will be disturbed by Excavation, filling, Infrastructure etc. Approx. 30 cm of top soil is stripped depending upon the soil profile at site. Depth of stripping is determined by taking soil core at several locations.



Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Divisio

5.3 Details of Topsoil generation from Chandragupt OCP

Total top soil to be generated is approximately 3.90 MCum and this total volume of top soil will be utilized for concurrent biological reclamation of internal dumps, Embankment and Green beit.

The top soil staked in an area of about 22.48 Ha in initial 15 years upto maximum height of 8m in 3 deck having slope 2H:1V which will be kept in Usru Village on Non-Forest land. Afterward as the mine developed the top soil is directly applied on the area to be reclaimed.

> PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT ANRAPALI-CHANDRAGUPT AREA. CCL

	Ton Soil		Top Soil Used (Mcum)	ed (Mcum)	
Year/Stage	Removal Plan (Mcum)	Spreading Over Embankment	Spreading Over Backfill Area	Used in Green Belt Area	Total Utilize
Y-1	0.13	0.10	0.00	0.03	0.13
Y-3	0.52	0.10	0.02	0.06	0.18
Y-5	0.88	0.10	0.07	0.06	0.23
01-X	1.57	0.10	0.17	0.06	0.34
Y-15	2.25	0.10	0.25	0.08	0.43
Y-20	2.75	0.10	1.32	0.08	1.51
Y-25	3.11	0.10	1.32	0.08	1.51
Y-30	3.47	0.10	2.84	0.08	3.02
Y-35	3.86	0.10	3.09	0.08	3.27
Y-41	3.90	0.10	3.72	0.08	3.90
Post Closure					
Y-44	3.90	0.10	3.72	0.08	3.90

Top soil so generated will be utilized in embankment, spreading over backfill area and in Green Belt Area. Details are given in below table.

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Mulcesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

5.3 Site location

The site should be flat and established proper erosion and sediment control structure such as diversion, berms, dikes, waterways and sediment basin.

Immediately prior to spreading the top soil, loosen the subgrade by disking or scarifying to a depth of at least 100 millimeters to ensure bonding of the topsoil and subsoil.

If sufficient topsoil is available, a minimum compacted depth of a half meter on 3:1 slopes and one meter on flatter slopes is suggested.

Compact the topsoil enough to ensure good contact with the underlying soil, but avoid excessive compaction, as it increases runoff and inhibits seed germination. Light packing with a roller is recommended where turf is to be established.

5.4 Stockpilling

Top Soll will be stacked on the flat horizontal area and where there is no natural drainage. Sediment barrier is provided to retain sediment.

Temporary seeding - protect topsoil stockpiles by temporarily seeding as soon as possible, within 30 days after the formation of the stockpile.

Permanent vegetation - if stockpiles will not be used within 12 months they should be stabilized with permanent vegetation to control erosion and weeds.

As the mine pits expane, there will be more opportunity to strip top soil and apply it directly to area to be reclaimed, thus avoiding topsoil stockpiling. Freshly stripped and placed topsoil retains more viable seed, micro-organisms and nutrients than stockpiled soil. Vegetation establishment is generally improved by the direct return of topsoil and is considered 'best practice' topsoil management.

5.5 Maintenance and Inspection

Periodic inspection and maintenance will be required. Make any repairs necessary to ensure the measure is operating properly. Repair and reseed if necessary to control erosion and loss of topsoil. This periodic maintenance procedure applies to either temporary soil stabilization or permanent seeding application

PROJECT OFFICER CHANORAGUPT OPEN CAST PROJECT LURAPALICHANDRAGUPT AREA, CCL.

Mukesh Kumar LES Divisional Forest Officer Chatra South Forest Division



Fig: Proposed Working Plan of Chandragupt OCP showing Location of Topsoil Damp

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Mukesh Kumar LES Divisional Forest Officer Chatra South Forest Division

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5.6 Topsoil Conservation with Grass and Shrub Species

TThe main objectives of topsoil conservation is to minimize soil erosion from wind and water runoff, enhance soil

Grass Species Selection:

- Choose a mix of native grass species suitable for climate, soll type, and rainfall. Here are some options based on their characteristics:
 - Fast Establishment: Doob Grass (Cynodon dactylon)
 - Erosion Control on Slopes: Vetiver Grass (Chrysopogon zizanioides)
 - Drought Tolerance: Dichanthium annulatum (Ditch Pai Grass)
- 2. A mix of these will be most suitable combination.
- 3. Planting Techniques:
- Sow the grass seeds directly onto the prepared seedbed following the recommended seeding rate for each species.
 - 5. Lightly rake the seeds into the soil to ensure good seed-to-soil contact.
 - 6. Apply a thin layer of mulch (straw, hay) to retain moisture and suppress weed growth.

S.N.	Name of Species	Common Name	Family Name	Habitat	Parpose
,	Cynodon dactylou	Deeb Grass	Poncese	Grass	Doob gross is a first-growing, low-growing perennial gross that forms a dense mat, which helps prevent soil erosion. It's well-adapted to various soil conditions and tolerates moderate foot traffic.
2	Gyrtocnecum patens	Lenon Grass	Posceae	Grass	Its root system can provide some limited stabilization, and it grows relatively quickly.
3	Saccharum spontaneum	Wild sugarcane	Poncene	Grass	This tall gram grows in large clumps and is native and drought resilient.
1	Cencheus policellatus	Dcenanath Grass	Роясеве	Grass	This Grass is a many- branched leafy annual grass up to 1 m tall which will help in wind erosion and control erosion of soll.
	Dichanthium annailainm	Ditch Pal grass	Poaceae	Personial grass	This is a perennial grass, up to about 25 cm tall and will be suitable for soil erosion control.
	Chrysopogoa zizanloides	Vetivez grass	Poacear	perennial grass	Vetiver grass (Chrysopogon zizanloides) is an exception with its thin fibrous roots penetrating vertically up to 3- 4 m (Hallin & Haigh, 2002), thus, this grass is an agent of both erosion reduction and ensuring slope stability against shallow landslides

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Mukesh Kumar LFS Divisional Forest Officer Chaira South Forest Division

	Axonopus compressies	Carpet Graas	Pooceae	Grass	As a covering mat, it can control erosion and provide some protection against infestation by more noxious weeds.
5	Dodonaca viscona	Hop bush	Sapladacean	Shrub	These are all shruhs species, which will offer wind protection to soil
á	Clerodendrum Infortunatum	Hill glory bower	1.amincene	Perrineal Shrub	
7	Woodfordia fraticesa	Fire flame bush	Lythraceae	Shrub	
8	Clerødendrum phlomoides	Sage Glory Bower	Laminonce	Shrub	
9	Vitex negundo	Chaste tree	Lamiaceae	Shrub	

Additional Considerations:

- Slope Stabilization: For steeper slopes, consider additional erosion control measures like jute mats or wattles alongside the grass cover.
- Long-Term Seeding: If long-term cover is desired, consider incorporating slow-growing, native bunchgrasses alongside the fast-establishing species for a more diverse and sustainable solution.
- Post-Seeding Activities: Once the topsoil is stabilized, plan for future land use. This could involve planting trees, shrubs, or crops suited for the revitalized soil.

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

PROJECT OFFICER (RD) CHARGE BUILT OFFICER (RD) ANRAPALIC PANDRUCUPT ASEA

nexure - 24(1)



Date:

Annexure-24(i)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(i)

Chandragupt OCP undertake that "Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three year with effect from the issue of the Stage-II Clearance in accordance with the approved Plan in consultation with the State Forest Department "

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Mukesh Kumar I.F.S Divisional Forest Officer Charrs South Forest Division

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Annexure - 24(11)



Date:

Annexure-24(ii)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(ii)

Chandragupt OCP undertake that "Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil crossion in accordance with the approved scheme."

Mukesh Kumar LF.5 Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project CHANDRAGUPT OFFICER CHANDRAGUPT OPEN CAST PROJECT ANRAPALI-CHANDRAGUPT AREA. CCL

Annexure -24(11)



Date:

Annexure-24(iii)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(iii)

Chandragupt OCP undertake that "Construction of check dams, retention /toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme; "

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project GGLECT OFFICER CHANDRAGUPT OPER CAST PROJECT AMRAPALI-CHAMORAGUPT AREA. CO.

Annexure-24(14)



Date:

Annexure-24(iv)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(iv)

Chandragupt OCP undertake that "Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 280"

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project CCL PROJECT OFFICER CHANORAGUPT OPEN DASY PROJECT AMERAPALI-CHAMDRAGUET AREA, CCL

Annexure - 24(V)



Date:

Annexure-24(v)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(v)

Chandragupt OCP undertake that "No damage shall be caused to the top-soil and the user agency will follow the top soil management plan."

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Chandragupt Open Cast Project CCL CANNOR A CHEFT, CONSIL CAST, PROJECT CHARACTERS AND TO BUT FROM THE

Project Officer



Office of the Divisional Forest Officer, Chatra South Forest Division, Chatra. Van Bhavan Chatra B-mail adfo-chatrasouthorgoy.in Phone : 8987790213



Letter No. Dated 25

To

The Project Officer, Chandragupt OCP. Amrapali-Chandragupt Area.

Subject: Charging of an lump sum amount of the project cost towards the cost of implementation of the Soil and Moisture Conservation Plan against 699.38 Ha of Forest Land in respect of Stage-I obtained for mining operations of Chandragupt OCP.

Ref: Your Letter No. GM(A-C)/PO CHANDRAGUPT/FC/2024/270 Dated 19.10.2024.

Sir,

Through above mentioned letter, a request has been made that, as per MoEF&CC,GoI Guideline dated 7th June, 2022, in cases where it is not possible for the state to submit the compliance due to delay in preparation and approval of such plan, a lump sum quantum of project cost may be realized from the User Agency and submitted along with the Stage-I compliance.

Accordingly, It has been requested to raise a demand of indicative amount equal to 0.5% of the project cost for implementation of Soil & Moisture Conservation Plan as mandated under the principle approval of the project. The estimated cost of project has been mentioned to be 973.5017 Crore in part A-1(vii) of part-I.

Therefore, it is requested to deposit the indicative lump sum amount of Rs. 4.86.75.085.00 (0.5% of the Project Cost) in CAMPA Account for Soil & Moisture Conservation Plan. The amount should be deposited to CAMPA fund only through e-portal (https://parivesh.nic.in) against 699.38Ha of Forest Land in favour of Chandragupt OCP alons with an undertaking for depositing additional amount, if so determined, as per final approval o the Soil and Moisture Conservation Plan.

1 DEGLARST FROMEN

AMRAPHINCHMORAGUET AREA, CCI.

Sent for further necessary action.

CHANDRAG

13/1/20 Mukesh Kumar LF.S Divisional Forest Office Ours faithfully Chatra South Forest Divisi

> Divisional Forest Officer Chantra South Forest Division, Chatra.

2024

Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal

From a monitoring-fo@nic.in

Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal

Mon, Nov 04, 2024 04:48 I

Sangeev AU

Te : po chandragupta <po.chandragupta@coalinda.in>

Cc : monitoring-fc@nic.in

This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.

Propsal Detail

1. Proposal No.	: FP/JH/MIN/140599/2021
2. Proposal Name	: CHANDRAGUPT OCP
3. Category of the	a service of the serv
Proposal	: Mining

4. Date of In-principle : 09/04/2021

5. Name of the Applicant with Contact Details

Name Mobile No.	: CHANDRAGUPT OCP : 8987784169
Email 1D	po.chandragupta@coalind
State	: Jharkhand
District	: Chatra
Pincode	: 825321

Funds Demand Details

1. Compensatory Afforestation	1 Rs. 0/-
2. Additional Compensatory Afforestation	: Rs. 0/-
3. Penal Compensatory Afforestation	1 Rs. 0/-
4. Catchment Area Treatment	: Rs. 0/-
5. Safety Zone	: R5. 0/-
6. Additional Charges for protected area	: Rs. 0/-
7. Net Present Value (NPV) 8. Wildlife Conservation Plan	: Rs. 859251274/- : Rs. 194700340/-
9. Soil & Moisture Conservation Plan	1 Rs. 48675085/-
10. Other Charges1 11. Other Charges2	: Rs.0/- : Rs.0/-
Total Amount	: Rs. 1102626699/-

Mukesh Kumar LES

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division

User Agency is requested to make above montioned payment after generating challan through the system.

(System Administrator)

*** This is a system generated email, please do not reply. ***

PROJECT OFFICER CHANDRACHT GFEN CAST PROJECT ASTRAPALACHANDRADURT AREA, COL



Date-11-12-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank:-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	11026266 99.00	15072581405 99645	UBIN099 6335	ICICR4202412110 0000899	11- 12- 202 4

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guaranter or otherwise.

This certificate is issued at the specific request of the said customer.

Regards Autrorised Si

ICICI Bank-Ltd Ratu Road Ranchi -834001

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division

ICICI Bank Limited Tower, Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi- 834001, Jharkhand, India

Website www.icicibank.com CIN.: L65190GJ1994PLC021012 Regd. Office : ICICI Bank

Near Chakil Circle, Old Padra Road, Vadodara 390 007, India.

PROJECT OFFICER CHANORAGUPTAPEN CAST PROJECT MIRAPALI-CHANDRAGUPT MIEA, COL

Annexure-27



Date:

Annexure-27

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12

Chandragupt OCP undertake that "Gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100 meter from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEF&CC at the time of Stage-II Compliance."

Project Officer Chandragupt Open Cast Project PIOCED OFFICER CHANGRACEPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division

Annexure - 21



Date:

Annexure-28

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(i)

Chandragupt OCP undertake that "The demarcation of safety zone (7.5-meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department will be completed within three months of obtaining Forest Land handover".

Mukesh Kumar LF.S Divisional Forest Officer Chetra South Forest Division

Chandragupt Opca CCL



Date:

Annexure-29

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(ii)

Chandragupt OCP undertake that "The Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced" within three months of obtaining forest land handover.

Muke h Kumar LFS

Mukesh Kunna Divisional Forest Officer Chatra South Forest Division Project Offices

Amenure-31



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-30

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(iii)

Chandragupt OCP undertakes "Maintain a safety zone as green belt around mining lease and to ensure dense canopy in the area, regeneration will be taken up in this area under the supervision of the State Forest Dept" within three months of obtaining forest land handover.

Divisional Forest Officer Chatra South Forest Division

Project Officer, \24 Chandragupt Open Cast Project CCL

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMPRAPALICHANDRAGUPT AREA. COL

Annexure-31



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-31

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(iv)

Chandragupt OCP undertakes "safety zone is maintained as per the prescribed norms" within three months of obtaining forest land handover.

Divisional Forest Office Chatra South Forest Division

Project Officer 15 Chandraguin Confee Die R Project CHANDRAGUPT OF BETAST PROJECT AMRAPALI-CHANBRAGUPT AREA CCL

Annexure-32

- 2



Rehabilitation & Resettlement Plan

of

Chandragupt OCP



A & C Area Central Coalfields Limited (A Subsidiary of Coal India Ltd)

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division PROJECT OFFICER CHANDRAGUP WHEN CAST PROJECT AMPACEMENTATION AND A SUPT AND A COL

SAMJEEV KUMAR MANAGER CHANDINGUPTA OFENCAST FROJECT DCL, AMRAPAU-CHONDRAGUPTA AREA

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1.0 INTRODUCTION

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The Chandragupt Openciast project falls within Pachra and Pachra South geological blocks. It is focated in the northern part of North Karanpura Coeffields and is included in survey of India topesheet no. 73A/13 and 73E/1 in Hazaribagh district of Jharkhand. Pachra Integrated project is bounded between latitude 23051'30" to 23054'45'N and longitude 85001'15" to 85003'15". Area of the Project: 14.95 sq km. The nearest railway station is Ray, which is at a distance of 37 km from the block on the Barkakana-Dehri-on-some loop line of North-Eastern Railways. Tori is another railway station, located south-west of the block at a crow-fly distance of about 55 km on the above loop line. Coal mining activity has not yet started in these blocks. Mining activity in the adjoining block to the west of Barki River, namely Amrapali OCP is undergoing. The block is covered by different land types viz., forest, tenancy, GMK, GMA and JJ. The normative production of the project is 15.0 MTY of G-11 grade coal. The present report envisages the implementation of project in MDO Mode. This Report is being prepared for the partial fulfilment of making Porest Application for diversion of forest land for non forest use under Section 2 (ii) of PC Act 1980.

2.0 LOCATION

The Chandragupt Opencast project falls within Pachra and Pachra South geological blocks. It is located in the northern part of North Karanpura Coalfields and is included in survey of India toposheet no. 73A/13 and 73E/1 in Hazaribagh district of Jharkhand. Pachra Integrated project is bounded between latitude 23051'30" to 23054'45"N and longitude 85001'15" to 85003'15". Area of the Project: 14.95 sq km.

Limiting Boundaries of the Projectised Area:

a) Northern Boundary: Incrop of Seam-IB.

b) Southern Boundary: Southern geological block boundary of Packea South Block.

c) Eastern Boundary: Geological block boundary between Pachra Block and Chatti Bariana

block and Pachra South Block and Chatti Bariatu South block.

 d) Western Boundary: Leaving a surface barrier of 60m from 'Barki River' and along the incrop of Seam IB.

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CHANDRAGUPTA OPLASAST PROJECT

CCL, AMRAPAUS CHANDEAGUPTA AREA

3.8 COMMUNICATION

The State Highway No 7 connecting Tandwa with Hazaribagh (40km) via Harkagaon pusses 4km south of the block. The Sil-7 (starting from Bijupata) is connected to NII-75 (starting from Ranchi).

The Tandwa village is about 92km from Ranchi. However, the block remains isolated from Tandwa during rainy season due to non-existence of bridge over Barki River flowing through the western boundary of the block. The block is approachable during dry season through a kutcha road of about 6km from Ketandari village.

The nearest railway station is Ray, which is at a distance of 37 km from the block on the Barkakana-Dehri-on-none loop line of North-Enstein Railways. Tori is another railway station, located north-west of the block at a crow-fly distance of about 55 km on the above loop line.

4.0 TOPOGRAPHY, DRAINAGE AND HYDROLOGY

The block is characterized by more or less flat terrain with gentle undulations. The maximum elevation of 500m is observed near borehole no CNKP-88 & CNKP-91. The minimum elevation is about 445m on the bank of the Barki River.

The drainage of the block is controlled by the Backi River flowing north to south along the western boundary. There is another small river called Chetki River flowing northeast to south-west that finally join Backi River aear borehole no CNKP-174. There are other small nallas flowing across the block that finally join Backi River. The Backi river after meeting with Chuadru River near Tandwa village flows further southwards in the name of Gachi river which is an important tributary of west to east flowing Damodar river.

5.0 Rehabilitation and Resettlement Programme

Seven out of nine villages of Chandragapt OCP are located within the proposed quarry which needs to be shifted and rehabilitated. Based on the available data as per project report of Chandragapt OCP about 500 families would be affected by mining operation. in Chandragapt OCP. Thus, provision has been made for rehabilitation of 500 families. This figure is tentative & may change after detailed survey of mining lease hold area. Resettlement and rehabilitation will be done according to R&R Policy of Coal India.

> PROJECT-OFFICUL SANJEEV KUMAR CHANDRAGUPT OFFICIAL MANAGER CHANDRAGUPT OFFICIAL CHANDRAGUPT AREA ANRAPALI-CHANDRAGUPT AREA CHU, AMRAPALI-CHANDRAGUPT AREA

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Limited. As per PR estimated capital for capital outlay in mines for rehabilitation for

Estimate Village p	d capital for capital outlay i chabilitation for 500 famile	in mines is including cost of houses
Phasing	Upto Target Year	
a designed as	1 st yr	1000
	2 nd yr	1000
	310 yr	1000
	4 th VI	1000
	5 th yr	1504
	Total Provision	5504

500 families including cost of house are 5504 . (Ref Appendix A.B.1 of PR)

Rebabilitation process as an ongoing programme designed to restore physical, chemical and biological quality disturbed by the mining to a level acceptable to all concerned. It aims at leaving the area in such a way that rehabilitation does not become a barden to the society after mining operation is over. It must also aim to create as self-sustained ecosystem.

Village wise breakup for 500 families are -



Sl.no.	Villege	District	No. of Families (approx)
1	Bukru	Hazaribagh	100
2	Chattibariyata	Hazaribagh	50
3	Jordeg	Hazaribagh	30
4	Nawakhap	Hazazibagh	100
5	Pachanda/Fachra	Hazaribagh	100
5 6 7	Sijhun	Hazacibagh	100
7	Bhadaikhap	Hazaribagh	Nil
8	Pelo	Hazaribagh	Nil
9	Ursu	Chatra	20
		Total	500

SARJEEV KUMAR MANAGER CHANDREGIPTA OPPHILAST PROJECT OCL. AMRAPALISCHANDRAGUPTA AREA



प्रमोद अग्रवाल समय राज्य विकेश Pramod Agrawal Commo Cun Mensing Down



কীল হৃদিঙৰা লিমিঠিত COAL INDIA LIMITED Added anticia Communication Added anticia Emergence

"COAL BRAIDON" Promises No. 34 black, Plat No. AP-3 Action Area: 18, New Town, Rejarhal Kollata-738 158

2 September, 2020



Foreword

Land is a major resource for any mining project. One of the major challenges of the coal industry is land acquisition and its physical possession. As a natural corollary, rehabilitation and resettlement of villages pose its own challenge.

Coal India Limited and it subsidiary companies spread across eight states of the country, amidst the challenges, are meeting the energy requirement of the country with admirable tenacity.

Coal India believes in mining with a human face and over the years has gained and garnered the confidence and goodwill of the project affected persons (PAPs) with its philosophy of inclusive growth and progressive rehabilitation policies.

Coal India is a socially responsible and responsive company. The company is conscious of the need to protect the regular source of income the small landowners earn out of the land they part with for coal mining operations.

'CIL's Annuity Scheme 2020' is an attempt to strike a judicious balance between meeting the organisation's business goals and ensuring a sustainable source of income to PAPs.

mme

Pramod Agrawal

CHENORAGUET OFFICIAL CAST PROJECT SAINJEEV KUMAR MARVAGER CHENORAGUET OFFICIAL CHENORAGETA DPENCAST PROJECT CHENORAGUETA AREA

Ph: QE : (033) 2324 6611(2324 6622, Pax: (033) 2324 4023 = Erral: chairman.ch@coelindis.in = Webbits: www.coalindis.in

विजय दयाल मिराक (स्कर्मक) Binay Dayai Director(Technical)



कोल इंडिया सिमिटेड Coal India Limited

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2" September, 2020



Poreword

With an objective to ensure energy security and curb import bills of the nation, Cill, has envisaged to produce 1 Billion Tonne of cost by FY 2024 with participation of all stakeholders.

Land being key resource to cost mining, has vital role to play in meeting above objectives. Taking physical possession of tenancy land is one of the most challenging aspect in operationalization of any cost mining project across the subsidiaries of CIL.

Since inception, Coal India is working on basic philosophy of providing fair compensation to the affected families and making adequate provisions for safeguarding their sustainable income. For small landholding affected families, greater emphasis need to be given for their sustainable income.

Considering the paramount importance of these aspects, concept of alternative option like annuity was also emerged during the Chintan Shivir organised by Ministry of Coal on 17th & 18th February 2020 at Kevadia (Gujarat).

CIL's Annuity Scheme 2020 against and is an endeavor to afford a consistent source of earnings to its PAPs while taking care of organizational priorities at the same time.

I take this opportunity to appreciate the efforts put in by Shri A N Goswami, Chief Manager (Mining), Project Monitoring Division, CIL in framing this Scheme.

Biney Days!

SANJEEV KUMAR MANAGER CHANDRADUPTA OPENCAST PROJECT CCL. ANHAPALICHANDRADUPTA AREA

CHANDRAGUPT READ VIIN ORT Scanner

	Coal India Lumited
0	A MAMARATIKA COMPANY
	Coal Shawar, 3 st Floor, Core 2
	New Town, Rejarbat, Kolkata- 700 156.
	PHONE 033-2324-4526, FAX:033-2324-4510
	Email - mdawanathan2.cli@coalecta.in
	WIDS/FE www.coalindia.in
	CIN - 123109W81973GOID28844
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Ref No.CL.NI(D):04112:2020: 2.5582_

Dated 2nd Sept. 2020

To GM (PMD), Coal India Limited, 3¹⁰ Floor, New Town, Rajarhat, Kolkata - 700 156.

Sub: Minutes of 409th CIL Board Meeting held on 25th August 2020.

Dear Sir,

Reproduced below is the relevant extracts from the minutes of 409th meeting of Board of Directors of Coal India Limited held on 25th Aug. 2020 at Kolkata with regard to the following item:

"ITEM NO.409.4 (B)

Sub: CIL Annuity Scheme, 2028 in lieu of direct employment or one-time monetary compensation against land.

- 4.2 Director (Technical) apprised the Board that CIL Subsidiaries were providing employment against land acquired for coal mining projects as per CIL R&R Policy and prevalent State Laws. In order to maintain the profitability of the projects, Subsidiaries are opting for outsourcing of projects which result is reduction in employment opportunity in projects for unskilled workers. Therefore, the scope for providing employment to unskilled project affected persons against land sequired had rechted. To address this issue, it was suggested in a review meeting held on 16th March'20 to explore a suitable alternative mode of land acquisition or to formulate an alternative to amployment tike annuity. Annuity is an alternative method in lieu of providing employment or one-time monetary compression in lieu of employment as well as maintaining sustainable cash flow to affected families. This also reduces the overall cost to the company by way of reduction in wage cost. He further apprised the malient features of the scheme as under >
 - a) The Annuity Sebane shall be implemented as an option in lieu of employment claim by the eligible afflected family against land acquisition and annuity to be provided as per RFCTLARR Art 2013 to all the affected families. All such entitled Affected Family shall opt for annuity and forgo the job benefit or one-time monetary compensation in lieu of employment against acquired land by entering into an agreement with project suthority.
- b) For land owner, Ansuity will be at the rate of Rs 150/- per docimal of land lost in lieu of employment to a minimum of Rs. 2000/- per month subject to a maximum of Rs.

CATALEY KUMARCHANDRAGUN OPEN CAST PROJECT MANAGER AMRAPALI-CHANDRAGUPT AREA. CCL CHAPDRAGUPTA DPINCAST PROJECT OCL. AMRAPALIS CHANDRAGUPTA AREA 30000/- per month for the period of thirty years or life of project whichever is higher with 1 % incremental growth on every year on total annuity or Annual indexation to the Consumer Price Index for Agricultural Labourers over Rs.2000/- whichever is higher.

An affected family whose land or other immovable property has been acquired & possessed by the company and become eligible for employment as per sespective State Policy and opt for annuity in lisu of employment or one-time monetary compensation will get Rs 30000/- per month for the period of Thirty years or life of project whichever is higher with incremental growth as mentioned above.

- c) An affected family may be a non-title holder whose primary source of livelihood was dependent on the land acquired for more than three years prior to the date of acquisition will get Rs 2000' - per month up to life of the project or 20 years whichever is higher with appropriate indexation to the Consumer Price Index for Agricultural Labourers. and
- d) Subsidiary Board may be authorized to modify the increment provision of Annuity in view of financial viability and prevailing unique condition of the project provided such modification is not in conflict with prevailing Central/State Law or rules.

This was discussed in CMDs Meet hold on 10th July 2020, they had agreed to the scheme and suggested minor modification. After incorporating the modification, the same is placed to the Board for its consideration.

To a another query, D(T) clasified that this is an enabling provision in lieu of providing employment against land sequisition and depending on the observations/suggestion to be received, if required, the scheme would be modified in future.

In view of the above, Board accorded its approval to CIL Annuity Scheme, 2020 in licu of direct employment or one-time monetary compensation against land as brought out in the against note."

This is for your information and to take necessary action please.

Yours faithfully, (M.Viswanat **Company Secretary**

PROJECT OFFICER SANJEEV KUMAR HANDRAGUPT DEN GAST PROJECT MANAGER AMRAPALI-CHANDRAGUPT AREA, CCL CIMANDRAGUPTA OPONCAST PROJECT CCL, AMRAPALI-CHANDRAGUPTA AREA

Annuity Scheme of CIL, 2020

A. Circumstantial:

Keeping in view the need for more efficient and cost competitive the coal companies are moving towards outsourcing mode instead of departmental mode of operation. This would result in reduction in employment opportonity in the company. Further, in most of the cases of land acquisition, the demand for employment exceeds the employment opportunity available in the mine/ project. As such, the possibilities of providing employment to the land oustees are becoming difficult for the company.

Annuity may be a responsive alternate method in lieu of providing employment as well as maintaining sustainable resource of livelibood to the affected families.

B. Scope:

This annuity scheme shall be implemented in lieu of employment claim by the eligible affected family against land acquisition. All such entitled Affected Family shall opt for annuity and forgo the job benefit or one time monetary compensation in lieu of employment against acquired land by entering into an agreement with project authority.

C. Legal obligation about Annuity:

As per Second Schedule (See Sections 31(1), 38(1) & 105(3)) of the Right To Fair Compensation And Transparency In Land Acquisition, Rehabilitation And Resettlement Act, 2013 (RFCTLARR Act 2013);

Quote :

"The appropriate Government shall ensure that the affected families are provided with the following options:

(a) where jobs are created through the project, after providing suitable training and skill development in the required field, make provision for employment at a rate not lower than the minimum wages provided for in any other law for the time being in force, to at least one

> CHANDRAGERY OPEN GATIJEEV KUMAR AMRAPALI-CHANDRAGUPT MANAGER CHANDRIFGUPTA DPENCAST PROJECT CCL, AMRAPALI-CHANDRAGUPTA AREA

Annuity Scheme of CIL, 2020

member per affected family in the project or arrange for a job in such other project as may be required; or

(b) onetime payment of five lakhs rupces per affected family; or

(c) Annuity policies that shall pay not less than two thousand rupees per month per family for twenty years, with appropriate indexation to the CPI for Agricultural Labourers'."

Unquote

Therefore, annuity is a legally tenable alternative option in lieu of employment against acquired land.

D. Entitlements for Annuity;

The following category of beneficiaries may opt for Annuity in lieu of Job/ Employment or one time monetary compensation:

- L All land owner whose land is acquired will be eligible for compensation for land as specified in the First schedule of RFCTLARR Act, 2013 or, determined as per the clarification given by MoC vide letter No. 43020/25/2015-PRIW-1 dt.04-08-2017 and Letter No.43020/25/2015-PRIW-1 dt. 30-03-2018 respectively or, Negotiated Land Value in case of Direct purchase of land whichever is applicable.
- II. An affected family whose land or other immovable property has been acquired & possessed by the company and eligible for employment as per respective State Policy.
- III. An affected family, may be a non-title holder, whose primary source of livelihood was dependent on the land acquired for more than three years prior to the date of acquisition and stand affected by the acquisition of land, as certified by the State Government authorities.
- IV. The Scheduled Tribes and other traditional forest dwellers who have lost any of their forest rights recognized under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 due to ecquisition of land as authenticated by the District Authority of the concerned State Government.

SANJEEV KUMAR MANAGERCHANDRAGUPT OF CAST PROJECT MANAGERCHANDRAGUPT OF CAST PROJECT CHANDRAGUPTA OPINCASTOPADICC CHANDRAGUPT AREA. CCL.

Category	Annuity
L All land owner whose land is acquired will be eligible for compensation for land as specified in the First schedule of RFCTLARR Act, 2013 or, determined as per the clarification given by MoC vide letter No. 43020/25/2015-PRIW-I dt.04- 08-2017 and Letter	Land compensation as per First Schedule of RFCTLARR Act 2013 in case of land acquired under CBA (A&D) Act or, determined as per the clarification given by MoC vide letter No. 43020/25/2015-PRIW-1 dt.04-08-2017 and Letter No.43020/25/2015-PRIW-1 dt. 30-03-2018 respectively or Negotiated Land Value in case of Direct purchase of land whichever is applicable. Plus (+)
No.43020/25/2015-PRIW-I dt. 30- 03-2018 respectively or, Negotiated Land Value in case of Direct purchase of land whichever is applicable. Or,	Annuity at the rate of Rs 150/- per decimal of land lost in lieu of Employment subject to minimum Rs 2000/- per month and maximum of Rs 30000/- per month for the period of Thirty years or life of project whichever is higher with 1 % incremental growth or every year on total annuity or Annual indexation to the Consumer Price Index for Agricultura Labourers over Rs.2000.00/- whichever is higher.
II. An affected family whose land or other immovable property has been acquired & possessed by the company and eligible for employment as per respective State Policy.	Or, An affected family whose land or other immovable property has been acquired & possessed by the company and become eligible for employment as per respective State Policy and opt for annuity in lies of employment or one time monetary compensation will get Rs 30000/- per month for the period of Thirty years or life of project whichever is higher with incremental growth as mentioned above.
	In case of death of land owner the annuity may be paid to his/her successor/ nominee for the rest period or equally distributed amongst all the successors. Modelities of distribution of annuity amount in case of death of land owner may be determined by the respective Subsidiary Board.

Annuity Scheme of CIL, 2020

C	ategory	Annuity
title hold source of dependent for more to the date of notification (A&D) A affected b land, as o	d family may be a non- der, whose primary of livelihood was on the land acquired han three years prior to acquisition i.e. date of a u/s 9 (1) of CBA act 1957 and stand by the acquisition of certified by the State ant authorities.	Not less than Rs 2000/ - per month upto life of the project or 20 years whichever is higher with appropriate indexation to the Consumer Price Index for Agricultural Labourers.
traditional bave lost a recognized Tribes an Forest Dw Forest Rig acquisition authenticat	ed by the District of the concerned State	
Note: All abov job/ emp	re entitled Affected Far sloyment by entering in	mily shall have to opt for annuity and forgo the benefit o no an agreement with project authority.

Mukesh Kunne I.F.S.

MANAGERAPALI-CHANORACUPT AREA, CCL CHANDRAGUPTA OPENCAST PROJECT

Annuity Scheme of CIL, 2020

Additional Benefits:

Respective Subsidiary Board may consider the following additional benefits to the Affected Families who opt annuity in lieu of employment keeping in view the financial viability of the project:

- a) Imparting skilled development training or cost of such training.
- b) Group insurance benefits.
- c) Group Mediclaim benefits.
- d) Special additional incentive to those who opt for and give possession of their land (including home stead land) within one month from the announcement of project specific annuity scheme under this Scheme.

Flexibility:

Subsidiary Board is authorized to modify the increment provision of Annuity in view of financial viability and prevailing unique condition of the project, provided such modification is not in conflict with prevailing Central/State Law or sules.

In case of any circular/guideline issued by Central/State Government regarding annuity in lieu of employment or one time monetary compensation the same would be effective from the date of issue and it will have an overwriting effect on the Annuity Scheme.

Mukesh Kumarg.F.S Divisional Forest Officer Chatra South Forest Division SANJEEV KUMAR MANAGER CHANDRAGUPTA SPENCAST PROJECT COL AMBAPALIS CHANDRAGUPTA SHEA CHANDRAGUPTA SHEA CHANDRAGUPT AREA, CCL

Annesure-33



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-33

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-14

Chandragupt OCP undertakes that the activities under the R&R plan shall be commenced and implemented as per the R&R Policy of State Government in consonance with National R&R Policy of Government of India. Chandragupt OCP, CCL further undertakes that the activities under the R&R Plan shall be commenced within one year of obtaining forest land handover"

Mukesh Normal Officer Divisional Forest Officer Chatra South Forest Division

Project Off Chandragupt Open Cast Project CCL



Office of the Principal Chief Conservator of Forests

Van Bhawan, Doranda, Ranchi - 834 002 Email: pccf-jhk@gov.in, Phone No. 0651-2481909

Office order No. 173 dated 28 /1 2024

Sanction Order of the De-siltation Plan with reference to non-forestry use of 699.38 ha of forest land for Chandragupta Open Cast Mine in favour of M/s Central Coalfields Limited (CCL)

The instant De-siltation Plan (referred to as "the Plan" here in after) has been submitted by M/s. Central Coalfields Limited (CCL) (referred to as "the User Agency or M/s CCL ") in pursuance of the condition number -15 laid by the MoEF&CC vide letter no. 8-24/2023-FC dated 27.05.2024 for the diversion of 699.34 ha (400.96 ha in Chatra South Forest Division and 298.42 ha in Hazaribagh West Forest Division) of forest land for Chandragupt Open Cast Coal mining project in favour of M/s Central Coalfield Limited (CCL).

Condition no. 15 of Stage-1 approval:

The user agency shall prepare a list of existing water tanks and other water bodies located within the five kilometre from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest officer. The user agency shall regularly undertake desiltation of these village tanks and other water bodies so as to mitigate the impact of siltation of identified ponds and water bodies. A detailed approved plan for desilting desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF&CC before stage-II approval".

2. In compliance of the aforesaid conditions laid by MoEF&CC, the User Agency M/s Central Coalfields Limited (CCL) submitted a site-specific Soil & Moisture Conservation Plan for diversion of forest land proposal of Chandragupta Open Cast Mining Project prepared in consultation with the forest officials including DFO, Chatra South and Hazaribagh West Forest Division, the CFs and RCCF, Hazaribagh.

Mukesh Kumar LES Divisional Forest Officer Chatra South Forest Divisio

28.11.2024

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> PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRARALI-CHANDRAGUPT AREA. CCL

 In the above stated background, the Regional Chief Conservator of Forests, Ranchi (RCCF, Hazanbagh) vide his letter no. 2013 dated 14.11.2024 submitted the Plan to the office of the undersigned for its consideration for sanction.

4. In order to examine the plan prescriptions a communication was issued to the Regional Chief Conservator of Forests, Ranchi, vide this office letter no. 2850 dated 18.11.2024 to arrange a presentation of the plan on 27.11.2024 in the conference hall of the undersigned. The presentation was made by the Project proponent in the presence of Regional Chief Conservator of Forests, Hazaribagh, CF, Chatra, CF, Hazaribagh, DFO, Chatra South and DFO, Hazaribagh West Forest Division. Project Officer, Chandragupta OCP, Nodal Officer CCL/SCOMPL, Shri Hemant Kumar, SIDHA, Dr. Manish Kumar, SIDHA, Ms. Diksha Lakra, SIDHA, Ms. Nikita, SIDHA were also present during the presentation.

5. After deliberation on various provisions of the proposed Plan and the presentation, it was observed that there are 67 ponds in the area under consideration out of which 57 will be desilted under the current existing plan. Out of the total 57 ponds 34 ponds are falling under Hazaribag forest Division and 23 ponds are falling under Chatra South Forest division. For the ease of operation these ponds have been classified under 3 major categories based on the average size of the total surveyed ponds. The first category of ponds have a size of 130 x 70 x 15 feet, the second category of ponds have average size of 86 x 70 x12 feet and third category of ponds have average size of 65 x 60 x 15. In the first category there are total of 22 ponds, in the second category there are 21 ponds and remaining 14 are in the third category. The de-siltation is proposed to be carried out in four cycles. 1st cycle in first year, 2nd cycle in 4th year, 3st cycle in 7th year and 4th cycle in 10th year.

6. The cost of the proposed 10-year Site-Specific De-siltation Plan with respect to the activities to be carried out by DFO, Chatra South and DFO, Hazaribsgh West Forest Division has been estimated to be Rs. 700.79 lakh. The summary of the proposed interventions (component wise) under the Plan with the objective of conservation of forest resources as also to mitigate the impacts of mining on forests and wildlife is as follows:

28-11 2024

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

CHANORADOPT OPEN CAST PROJECT AMARAPALI-CHANORAGUPT AREA, CCL The summary of the proposed interventions (component wise) under the Plan is as follows:

De-siltation cycle	Plan year	Chatra South Forest Division (Rs.)	Hazaribagh West Forest Division (Rs.)	Total (in Rs.)
1 st cycle	1 st year	42.75	69.71	112.46
2 nd cycle	4 th year	51.29	63.65	134.94
3 rd cycle	7 ³ year	71.81	117.10	188.91
4 th cycle	10 ^m year	100.53	163.95	264.48
	Total	266.38	434.41	700.79

8. The Plan with a total financial outlay of Rs. 700.79 takh extends over a period of 10 years and shall be utilized by the Forest Department through the DFO, Chatra South and DFO, Hazaribagh West Forest Division in accordance with the Plan prescriptions.

9. Considering the proposals under the plan submitted by the User Agency and recommendation of the concerned forest officers, sanction is hereby accorded to the instant Plan subject to the following conditions:

(i) That the User Agency shall ensure that its officials/contractors and the work force engaged into mining and alled operations under the Project shall not commit or abet any forest/wildlife offence in their area of operation. They will also promptly report any forest/wildlife offence in the area to the nearest forest office/official. Further, they will extend their full cooperation to the forest officials in control/mitigation of any incident, natural or man -made, detrimental to forest and wildlife in their area of operation.

(ii) That the total amount of Rs. 700.79 lakh (Rupees seven crore seventy thousand only) shall be deposited by the User Agency into CAMPA

23. 11. 2024

APROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA COL Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division account under the relevant head/sub-head and shall be utilized by the State Forest Department through the DFC, Chatra South and DFO, Hazaribagh West Forest Division as delineated under the Plan, strictly in accordance with the prevailing norms under the Jharkhand Forest Department.

- (iii) That as regards the funds earmarked against activities to be undertaken by the State Forest Department, DFO, Chatra South and DFO, Hazaribagh West Forest Division shall prepare a detailed Annual Plan of Operations (APO) in the beginning of every financial year in respect of the instant Plan following all the rules, regulations, Schedule of Rates etc. issued from time to time by the State Government/ Forest Department. Regional Chief Conservator of Forests, Hazaribagh shall supervise & closely monitor the progress of the activities undertaken by DFO, Chatra South and DFO, Hazaribagh West Forest Division respectively as per the approved APO & funds released under CAMPA.
 - (iv) That the Conservator of Forests, Hazaribagh and Chatra shall supervise all the activities as per directions issued by the Forest Department from time to time.
 - (v) That the DFO, Chatra South and DFO, Hazaribagh West Forest Division shall carry out the activities under the Plan strictly as per the duly sanctioned APO.
 - (vi) That both the DFOs shall ensure that no violation of duly sanctioned Working Plan of their Forest Divisions takes place during implementation of any of the activities involved in this plan over notified and demarcated forest land.
 - (vii) That the instant Plan is dynamic and be reviewed after 5 years to assess its compatibility with mining and its concurrent reclamation activities and a revised Plan be formulated as per requirement.
 - (viii) That though adequate provisions have been made towards cost escalation in the plan viz. increase in wage rate/ material cost etc., yet the

28, 1, 20

Mukesh Kumar LES Divisional Forest Officer Chatra South Forest Division

PROJECT OFFICER CHANDRACOOT OPEN CAST PROJECT AMERIPALI-CHANDRAGUPT AREA, CCL User Agency shall submit an undertaking to the DFO, Chatra South and DFO, Hazaribagh West Forest Division to the effect that it will deposit extra cost of the plan beyond the cost escalation provision owing to increase in wage rate etc. in due course of time as well as consequent upon revision in the plan, if any, as and when given effect to by the competent authority.

Sd/-Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No.

dated

Copy forwarded to Deputy Director General of Forests (Central), Ministry of Environment, Forest & Climate Change, Integrated Regional Office, Ranchi, Harmu Housing Colony, Ranchi [email: ro.ranchi-mef@gov.in] / Principal Chief Conservator of Forest-cum-Executive Director. Waste Land Development Board, Jharkhand, Ranchi / Additional PCCF, CAMPA along with a copy of the Plan, for information and necessary action.

Sd/-

Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No. 2930 dated

lo dated 2.8.11.20.24

Copy forwarded to Regional Chief Conservator of Forest, Hazaribagh / Conservator of Forest, Hazaribagh / Chatra / DFO, Chatra South / Hazaribagh West Forest Division for information and necessary action.

13.11.2024 Principal Chief Conservator of Forests, Jharkhand, Ranchi

Mukesh Kumar LES

Divisional Forest Officer Chatra South Forest Division

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division

> PROJECT DEFICER NORAGUPT OPEN CAST PROJECT APALI-CHANDRAGUPT AREA, COL

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Office of Divisional Forest Officer, Chatra South Forest Division, Chatra.



E-mail: dfp-chatrasouth/agov in Phose: #987790213

Letter No. 2.145

Date: 29/11 2024

To,

The General Manager, Amrapali- Chandragupt Area, Tandwa, Charm.

Subject:- Domand letter for depositing levy for preparation of De-silution Plan against non-forestry use of 699.38ha (400.96 ha in Chatra South Forest Division and 298.42 ha in Hazaribagh West Forest Division) of forest land for Chandragupt Open Cast Mining project in favour of M/s Central Coalfield Limited(CCL).

Ref:

Office order No-173 Dated-28-11-2024 of Principal Chief Conservator of Forest, Jharldnand, Ronchi, F NO, 8-24/2023-FC Dated-27.05.2024.

Kindly refer the letter in the refresce where in principle approval has been accorded to the captioned project subject to certain conditions.

A. As per condition No.15 of the said latter,

- "The User Agency shall prepare a list of existing village tasks and other water bodies located within five km from the name locase houndary. This its is to be duly verified by the concerned Divisional Forest Officer. The User Agency thail regularly undertake desilitation of these village tasks and other water bodies so as to mitigate the impact of silturian of identified ponds and water bodies. A detailed appeared plan for desilting of identified ponds and water bodies to be prepared by consultation with forest department and shall be submitted to MolEF&CC before stage-II approval."
- B. In compliance of the above mentioned condition of stage-I approval a Site-Specific Du-siltation Plan was prepared by user agency and submitted before Principal Chief Conservator of Forest, Jharkhand, Ranchi for approval of the same. The said plan has been approved vide office order no-173 dated-28.11.2024 of PCCF, Jharkhand, Ranchi wherein, a provision Rs 266.38 Lacs have been made for implementation of the plan against mining activities.
- C. Therefore it is requested to deposit the above mentioned amount i.e Rs. 265.38 Lncs in CAMPA Account. The amount should be deposited to CAMPA Fund only through e-portal (<u>https://parivesh.nic.in</u>) and copy of challan/receipt shall be sent to this office for records.

Sent for necessary action.

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

faithfully.

Divisonal Forest Officer Chatra South Forest Division, Chatra.

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Page 3

Sanjeev Kumar	es Proposal(OSMFCP) portal	Wed, Jan 22, 2025 04:08 PM		Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division	PROJECT CHILER PROJECT CHILER PROJECT CHERT PROJECT CHANDRAGET OFFICIENT ALEA COL
	Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal (OSMFCP) portal	From : monitoring-fc@nic.in Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.	: FP/JH/MIN/140599/2021 : CHANDRAGUPT OCP : Mining : 09/04/2021	5. Name of the Applicant with Contact Details Name : CHANDRAGUPT OCP Mobile No. Email ID : 8987764169 po.chandragupta@coalindi a.in State : Jharkhand District : Chatra
	inistrator of Online Submi	 >m : monitoring-fc@nic.in >ct : Email Alert From System Administrator of Online Su Proposal(OSMFCP) portal Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in></po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in 	This is to acknowledge that de Agency have been verified by Nod Detail of Proposal are given below.	1. Proposal No. 2. Proposal Name 3. Category of the Proposal 4. Date of In-principle	5. Name of the Applica Name Mobile No. Email ID State District
Email	Email Alert From System Admini	From : monitoring-fc@nic.in Subject : Email Alert From System Proposal(OSMFCP) portal To : po chandragupta <po.ch Cc : monitoring-fc@nic.in</po.ch 			

Annexure - 36

Muke Sum at LES Diviniunal Forest Officer	*** This is a system generated email, please do not reply. ***	User Agency is requested to make above mentioned generating challan through the system. (Syst	Total Amount	Funds Demand Details 1. Compensatory Afforestation 2. Additional Compensatory Afforestation 3. Penal Compensatory Afforestation 4. Catchment Area Treatment 5. Safety Zone 6. Additional Charges for protected area 7. Net Present Value (NPV) 8. DE-SILTATION 9. Other Charges1 10. Other Charges3
	email, please do not reply. ***	ce above mentioned payment after ystem. (System Administrator)	: Rs. 2194290381/-	ation : Rs. 1643619381/- ry : Rs. 0/- : Rs. 0/-

Senerem- 36



Date-27-01-2025

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	21942903 81.00	15072581405 99331	UBIN099 6335	ICICR4202501270 0001515	27- 01- 202 5

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guarantor or otherwise.

This certificate is issued at the specific request of the said customer.

Regards Autrorised Sig

ICICI Bank-Ltd Ratu Road Ranchi -834001

ash Kumer LF.

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AURAPALICHANDRAGUPT AREA C.3.

ICICI Bank Limited Modi Heights, Shop # 05 & 06 Opp. All India Radio Statica, Ranchi- 834001, Jharkhand, India

Website www.ieicibunk.com CIN.: L651900/1994PLC021012

Regd, Office : ICICI Bank Tower, Near Chakli Circle, Old Padra Read, Yadodara 390 007, India. Annexure 22

PROFORMA FOR VERIFICATION OF DEPOSITS IN COMPENSATORY AFFORESTATION FUND/SUMMARY OF PAYMENT Chandragupt OCP (699.38 Ha)

2

relates relates wolves additional forest area and if so specify der nobifiec/protected area oder nobifiec/protected area ider nobifiec/protected area ider total foret Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV 2 one+ Forest Produce + Cess + Tax- Penal NPV	S.N		Column 1		Column 2
StaterDistrict [®] orest Division to which the proposal relates Name of User Agency, Name of Proposal Name of User Agency, Name of Proposal Name of User Agency, Name of Proposal Name of Category of Proposal Rectan of Chest Agency, Name of Proposal Rectan of Chest Agency of Proposal Rectan of Chest Agency Proposal No. Rectan of Chest Area Nether original Generation Under compensation If the extension of lease, please clarify if proposal involves additional forest area and if so specify Dated of 1st Stage clearation Dated of 1st Stage clearation Ocompensation afforestation If the extension of lease, please clarify if proposal involves additional forest area area Dated of List Stage clearation Ocompensation film Dated of 1st Stage clearation Ocompensation film If the extension of lease, please clarify if proposal involves additional charges for diversion of area failing under notifie/optotected area DeSitation Flam Ocompensation film Ocompensation film Oreachinent area treatment Oreachinent area treatment DeSitation Flam DeSitation Flam DeSitation Flam DeSitation Flam DeSitation Flam DeSitation Flam	-	Name of Regional Office			Integrated Regional office Ranchi
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atra South) Siem.of DFO (Hazanbaeh West)		at the second	Sten of DEO (Chatter South)	Sign of DFO (Hazaribaeh West)	Sien of Nodal Officer

Chatra South Forest Division Divisional Forest Officer

Si. Type o No (NPV) P/Other	N	2 WI	3	+	5 C	6 De-Si	N
Type of Deposit (NPV/CA/WM P/Others)Specify	NPV	WLCP	SMC	CA	CAT	De-Siltation	more
Whether (RTGS/DD //NEFT (Specify)	RTGS	RTOS	RTOS	RTOS	RIGS	RTOS	SMa
UTR/DD No.	ICICR42024121100000899	JCICR42624121100000899	3CICR42024121100000899	10101843035912700061515	ICICR43025012700001515	ICICR42025012700001515	Mainter Monthle South
Amount Deposit (Rs.)	85,92,51,2,74,00	19,47,00,340,00	4,86,75,985.00	00'185'61'96'991	480592000.00	7,00,79,000.00	Sien of DFG
Deposit	11.12.2024	11.12.2024	11.12.2024	27.01.2325	27.01.2025	27,01.202 5	Sien of DFO (Hazarihaeh Weu)
Name of Bank from which amount transferred to account of CAF	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Rate Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Read Ranchi	(Leav
Bank Account of CAF managed by CAMPA in which fund deposited.	CAF Account Duckband (AC No1597258140599545) Union Easts of India Renoch Jolita Towers, Mission Road, Bengaluru- 500077	CAF Account Ihaekhand (ACD No1507258140099643) Union Bark of India Branch Jelitan Towers, Missian Road, Bengalura- 560077	CAF Account Jharkhand (A/C No1507258340399645) Uhiton Bark of India Branch Jeitta Towers, Mission Road, Bengaluru- 560027	CAF Account Iharkheed (A/C Vol 30725814059645) Union Bash of India Branch Adita Towers, Mission Road, Bangalura- 560027	CAF Account Jharkhand (A/C Va150725814059645) Union Bunk of India Branch Jelittu Towers, Mistion Rood, Bengaluri- 565027	CAF Account fhurkhaul (A/C No1507255140595645) Union Bunk of India Braren Jelfm Towers, Mizsion Road, Bargalara- 551027	Son of Nodal Officas

1		Z	154	60						0		0.3	
Particulars		NdN	WLCP	SMC				CA		CAT		De- Siliation	
Demand Raised vide	DFO,Chatta (South) vide Ltr.No.1129 Did.31.05.2024	DFO, Hazaribagh (West) vide Ltr.No.3331 Did.04.06.2024.	DFO Chatta (South) vide Ltr.No.2118 Did 25, 10.2024	DFO Chatra (South) vide Ltr.No.2117 Did 25.10.2024	TOTAL	DFO,(Chatra south) vide letter No:61 dated 07.01.2025	DFO (Hazaribagh West)vide letter noc216 dated 10.01.2025	DFO, Chatra South Forest Division vide letter no :81 dated 15.01.2025	DFO Chatta (South) vide Lit No:2343 dated 29.11.2024	DFO Hazarlbagh (Wesi) vide Ltr No:5987 dated13.12.2024	DFO Chatra (South) vide the Ltr.No.2345 Dtd.29.11 2024	DFO Hazaribagh (West) vide their Lat.No.5989 Ded 13.12.2024	TOTAL
Amount Paid (RS)	49,26,15,446.40	36,66,35,828.00	19,47,00,340.00	4,86,75,085.00	1102626699.00	82,10,67,915.00	54,51,52,566.00	27,73,98,900.00	37,07,26,000.00	10,98,66,009.00	2,66,38,000.00	4,34,41,000.00	219,42,90,381.00
UTR No	ICICR42024121100000899	ICICR4202412110000899	ICICR42024121100000899	ICICR42024121100000899	ICICR42024121100000899	ICICR42925012700001515	ACICR42025012700001515	ICICR42025012700001515	ICICR42025012700001515	ICICR#2025012700001515	ICICR42025012700001515	ICICR42025012700001515	ICICR42025012700001515
Date	11.12.2024	11.12.2024	11.12.2024	11.12.2024	11.12.2024	27.01.2025	27.01.2025	27.01.2025	27.01.2025	27.01.2025	27,01,2025	5202.10.22	27.01.2025

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CHANDRAGUPT OFFIC CASE (1 NO. ANNAPPLICATION DATE - PROJECT OFFICE - Signof User Algehey

Sign of DFO (Chatra South) Mukesh Kumar LF.S Divisional Forest Office Chatra South Forest Division

Sign of DFO (Hazaribagh West)

Sign.of.Nodal Officer



Date:

Annexure-37

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-15

Chandragupt OCP undertakes that "Regularly monitoring desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for de-silting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF& CC before Stage-II approval;

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project FCCECT OFFICER CHANDRAGET OPEN CAST PROJECT ANTRAPALI-CHANDRAGET ARTA. CO.



Date:

Annexure-38

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-16

Chandragupt OCP undertake that "The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. Also, the trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of concerned DFO".

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project CCL CCL CONTRACT DESCRIPTION

Annexure-39



Date:

Annexure-39

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject:Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-17

Chandragupt OCP undertake that "The cost of felling of trees shall be deposited with the help of State Forest Department."

Project Officer Chandragupt Open Cast Project CCL

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

PROJECT OFFICER CEAMDRAGUPT CIPER DAST PROJECT AMRAMALI CHANDRACUPT AREA, COL



Date:

Annexure-40

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-18

Chandragupt OCP undertake that "Mining will be done in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the concern Addi. Principle Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily executed".

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division Project Officer Chandragupt Open Cast Project CCL



Date:

Annexure-41

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-19

Chandragupt OCP undertake that "comply with the Hon'ble Supreme Court order on regrassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a timely manner".

Mukesh Kumar LES Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project CCL

CHANDRAGUPT OPEN CAST PRILIEUT ANRAPALI-CHANDRAGUPT AREA, CCL



Date:

Annexure-42

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) & Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-20

Chandragupt OCP undertake that Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the rules framed there-under".

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division Project Officer Chandragupt Open Cast Project CCL PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT ANRAPALI-CHANDRAGUPT AREA. CCL

Innexume-43



File No.: 1A-J-11015/43/2021-1A-11(M) Government of India Ministry of Environment, Forest and Climate Change 1A Division ***



Dated 02/01/2025



To,

Sh. Bhushan Kumar M/s Central Coalfields Limited Durbhanga House, Kutchery Rönd, Ranchi, Iharkhand, 834001 E-mail: moef-parivesh ocl@coalindia.in

Subject:

Chandragupt Opencast Coal Mine Project (area 1495 Ha having capacity 20 MTPA) by M/s Central Coalfields Limited, docated at Villages: Ursu, Bhadaikhap, Sejhua, Bukra, Chatti Barlatu, Jordag, Nawa Khap, Pachanra & Peto; District: Hazaribagh & Chatra; State: Jharkhand-Grant of Environment Clearance - regarding

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vice proposal number IA/JH/CMHN/501930/2024 dated 19/10/2024 and subsequent submission of written information on 09.12.2024 seeking for grant of prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006 and as amended thereof.

Clark Stat

2. The particulars of the proposal are as below :

(i) EC Identification No.
(ii) File No.
(iii) Clearance Type
(iv) Category
(v) Project/Activity Included Schedule No.
(vi) Sector
(vii) Name of Project
(ix) Location of Project (District, State)
(x) Issuing Authority

(xii) Applicability of General Conditions

EC24A01017H5364351N IA-J-11015(43/2021-IA-B(M)

Fresh EC

I(a) Mining of minerals Coal Mining Chandragupt Opencast Coal Mine Project CHATRA, JHARKHAND MoEF&CC No

 M/s Central Coalfields Limited has made an online application vide proposal no. IA/JH/CMIN/501930/2024 dated 19.10.2024 along with copy of EIA/EMP report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above.

> PROJECT OFFICER CHAHDRAGUPT OFFICER CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCX

Mukesh Kumar 1.F.S Divisional Forest Officer Chatra South Forest Division

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 The proposed project activity is listed at schedule no. <u>Ital Mining of minerals, under Category "A"</u> of the schedule of the EIA Notification, 2006 and being appraised at Central Level.

5. The instant Proposal was earlier considered by the EAC (Coal) in its 48th meeting held 28.08.2023 and 8th EAC meeting held on 28.02.2024 and the proposal was returned in its present form. The proposal was further considered in 18th EAC meeting held on 27th November 2024. The MoM for the same may be seen using the web link: parivesh.nic.in.

Details submitted by the project proponent

6. The project of M/s Central Coalificids Lumited is for setting up a new opencast coal mining project in the lease area of 1495 Ha for 20 MTPA capacity located at villages: Ursu, Bhadaikhap, Sejhua, Bokra, Chatti Bariatu, Jordag, Nawa Khap, Pachanra & Peto; district: Hazaribagh & Chatra of state Jharkhand.

7. Details of ToR are furnished below:

Date of Application	Details	Date of Accord	ToR Validity
26.05.2021	Online Proposal No. 1A/HI/CMIN/208302/2021; File No. 1A- 3-11015/43/2021-1A-II(M)	13.09.2021	4 Years (valid till 12.09.2025)

B. Environmental Site Settings; PP submitted that the project area is covered under Sarvey of India Topo Sheet No. 73A/13 & 73E/1 and is bounded by latitudes 23?51'22.45'' N to 23?54'37.00'' N and longitudes 85°01'15.39'' E to 85°03'11.60'' E (WGS-84)

Project site is located in Hazaribagh District, which is a Severe's Pollated Area as per CEPI Assessment 2018. However, the project site is not situated in the SPA specified meas of Hazaribagh and PP has submitted a letter from Jhardhand State Pollation Control Board in this regard. This aspect has also been verified through DSS KML. Hence, Project does not fall in the Critically Pollated Area (CPA) Severely Pollated Area (SPA), as per CEPI Assessment 2018 by CPCB.

Forest Area: The project involves total 699.38 Ha of forestland the details of the approval obtained for the forestland is as follows:

S. No.	Obtained wide letter No.	Area (in Ha) Stage VII	Validity
1	FC issued vide file no:8-24/2023 FC dated 27 05/2024	699 38 Harry Stagester of	Co-terminus with the period of the mining lease under the Mines and Minerals (Development and Regulation) Act, 1957

Out of the total torestand, 400.96 Ha of forestiand falls in Chatm South District and 298.52 Ha of forestland falls in Hazaribagh West District. PP submitted that there is no broken forest land and there is no violation of Van (Sanrakshan Evam Samvardhan) Achimyam, 1980

Protected Area: PP submitted that the project is net located within 10 KM of any ESZ ESA/ National Park/ Wildlife Sanctuary/ Biosphere Reserve/ Tiger Reserve/ Election Reserve/ Tiger Corridor/ Elephant corridor etc and there is no violation of WLP Act. PP has submitted a letter of PCCTF dated 16.04.2024 stating dist "Chandragupt OCP, CCL does not fall under any notified Corridor, Sanctuary or ESZ"

PP submitted that 21 nos of Schedule-I species have been identified to be present in the study area, as per the baseline study and authenticated list of flora and fauna, namely Asiatic Elephant (Elephas maimus indicus), Indian Pangolin (Manis crassilicaudata), Sloth Bear (Melursus ursinus), Jackal (Canis aureus), Jungle Cat (Felis chaus), Small Indian Mongoose (Urva auropunctata), Grey Mongoose (Urva edwardsii), Asian Palm Civet (Paradoxurus hermaphrodites), Striped Hyena (Hyaena hynena), Porcupine (Hystrix indica), Python (Pythou molurus), Cobra (Naja naja), Russell's Viper (Daboia russelii) Checkered Keelback (Water Snake) (Fowlen piscator), Rat Snake (Ptyas mucosus), Monitor Lizard (Varanus bengalensis), Indian Chameleon (Chamaeleo zeylanicus), Indian flap Shell turtle (Lissemys punctata), etc. A detailed wildlife management plan for the study area with hudgetary provisions of Rs. 5360.96 Lakhs has been prepared and aubmitted to DFO for approval. Consequently, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO vide GM (AC)/PO(Chandragupt)/24-25/257, dated 24.08.2024 for approval of CWLW.

Mukesh Kumar LF.S Divisional Forest Officer Chatra Starti Forest Division

PROJECT OFFICER CHANDRAGUPT OFFIC AST PROJECT CHANDRAGUPT OFFICER CHANDRAGUPT ASPA CCI Mine Lease Area: PP submitted that the instant proposal is proposed on 1495 Ha and the said land was acquired under CBA Act. Details of the ML area acquired are as follows:

S. No.	Govt. Order/Notifications as the case may be	Date	Area (ha)
1	SO notification 1299 under CBA Act	25.05.2017	1348.78
2	SO notification 4943(E) under CBA Act	14.11.2023	170.72
	Total		1519.50

The Mine Lease been allotted is for 1519.50 Ha. However, mine plan is prepared by projecting an area of 1495 Ha within the acquired area as per the aforesaid notifications.

9. Method of Mining and Mine Plan & Mine Closure Plan:

 The Mine Plan and Mine Closure Plan of Chandragupt OCP revised as per the directions of 8th EAC Meeting held on 28.02.2024 is approved by the Board of Directors of M/s CCL on 22.07.2024 in its 541st Meeting.

ii. Total geographical reserves reported in the mine lease area of 1495 Ha is 709.26 MT. Out of which mineable and extractable reserves are 465.59 MT. Percentage of extraction is 100%.

iii. There are total 9 nos. of working seams.

iv. The method of mining to be adopted is Opencast mining by fally mechanized method.

v. The life of mine is 41 years,

vi. The total estimated volume of overburden's 928 Mcun. Of this 37:53 Mcun of OB will be generated during initial 6 years and will be dumped externally in 3 different locations on the coal bearing area. Starting from the 6th year, this external durp will be re-handled into the mine void of Chandragupt OCP.

vii. Land use details:

B. Post-mining land use:

S. no.	Type of Lind	Area (Ha)
1.	Fatest Land	699.38
2,	Agricultural Land	510/26
3,	Grozing Land	0.58
4.	Barren Land	7.72
5,	Surface Water Biddes	26.3
6.	Settlement	3.00
7.	Roads/Other Infinistructure	12:88
8.	Tenancy Land. Govt. Land and Religious Places	174.88
	Total	1495

Payments

S. No.	Type of Land	Agriculture	Planation	Water Body (Ha)	Public/ Company use (Ha)	Total (Ha)
1.	Quarry Backfilled Area	198.02	880.93			1078.95
2.	Excavated Void		26.68	94.77		221.45
3.	Green Belt & Safety Zone		112.45			112.45
4.	Stream Diversin and River			15.02	2 - •	15.02
5.	Built-up Area	145	26.44		24.26	50,70
S	Embankment		16.43	-		16.43

AND ADMINISTRATISTS AN

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

7. Total	198.02	1062.93	209.79	24.26	1495.00
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viii. Transportation of coal:

a) In-pit: Combination of in-pit conveyor belt and rear leading of dumper.

b) Surface to siding: Belt Conveyor.

c) Siding to loading: Rail (silo loading)

Initially, till the commissioning of pit-head CHP, coal will be dispatched through dedicated coal transportation route to nearby Shivpur railway siding which is at around 8 kms away from the project by tipping trucks.

ix. Details of reclamation:

a) Total Afforcetation plan will be implemented covering an area of 1266.63 (includes 198.02 ha agroforestry) ha at the end of mine closure.

b) 1078.95 Ha of internal dump will be covered with plantation and agroforestacy of 880.93 Ha and 198.02 Ha respectively.

c) Greenhelt will be developed in an area of 112,45 Ha with the density of 2500 plants per Ha.

d) A void of 221.45 Ha at a depth of 40 m to 50 m, is proposed to be transformed into a water body covering 194.77 hectares, while 26.68 hectares will be designated for planting.

e) Plantation of 42.87 bectares is proposed for the CHP land, as well as for the road, infrastructure, and embankments.

10. Baseline Data: Baseline data was generated from 1st March 2022 to 31st May 2022 and 1st March 2024 to 31st May 2024.

11. Details of Water Requirement: The water requirement reported during construction phase is 200 KLD and during the operational phase is 6760 KLD. Source of water proposed to be used is groundwater for which PP has obtained NOC vide Ref No: CGW A/NDC/MIN/ORIG/2024/21001 Dated. 19 11:2024, valid till 18:11:2026 for extraction of 6420 KLD. PP also submitted that Chotki River is proposed for diversion and a detailed study for the same has been done by IIT Roorkee, wherein DFR of stream diversion was prepared and submitted to Water, Resource Dept. of Jharkhand. Diversion of Chotki stream was recommended by the Chief Engineer (WRD), Ranchi vide letter no C.E.J..../645/2022/230 dated 25:04:2023 and forwarded the proposal for issuance of NoC. However, the issnance of NoC is awaited due to the departmental process for "Approval of gaidelines for Nala Diversion" is currently in progress.

12. Public Hearing: The proposed project falls in 2 district, namely Hazarbugh District and Chain District. Hence the PH has been conducted by the PP in both the district. Details of the same are as follows:

Details of Public Hearing and related issues of Hazaribagh District: The advertisement for Public Hearing of Hazaribagh District was given in Publici Khabar and Hindustan Times Newspapero dated 20.01.2023 for 21.02.2023. The Public Hearing took place on 21.02.2023 at Bazar Tand, Chatti Bariata Village, Keradari Block, Hazaribagh District, under the chairmanship of Shri Vinod Komar, District Land Acquisition Officer, Hazaribagh and in the presence of Shri Ashok Kumar Yadav, Regional Officer, Hazaribagh, JSCPCB and Shri, Ashatosh, Representative of Member Secretary, JSPCB Ranchi HQ. It was attended by 314 nos of person and the major issues rulsed during the PH were related to pollution and damage to environment, degradation of forest land, environment, land authentication, R&R, education, Health, general amenities, loss of livelihood and skill development.

Details of Public Hearing and related issue of Chatra District: File advertisement for Public Hearing of Chatra District was given in Prabhat Khabar and Times of India Newspapers dated 20.01.2023 for 23.02.2023. The Public Hearing took place on 23.02.2023 at Purana Devi Mandap, Ursa village, Tandwa Block, Chatra District, under the chairmanship of Shri. Gaumog Mahto, District land Acquisition Officer, Chatra and in the presence of Shri. Ashek Kumar Yadav, Regional Officer, JSPCB Hazaribagh and Shri Kumar Gaurav Jain, Representative of Member Secretary, JSPCB Ranchi HQ. It was attended by 196 nos of person and the major issues are related to pollution and damage to environment, degradation of forest land, employment, land asthentication, R&R, education, Health, general amenitics, loss of livelihood and skill development.

Combined Action Plan for both the Districts as per MoEF&CC OM dated 30.09.2020

Divisional Lorent Official Cluster Some more to Division

PROJECT OFFICER CHANDRAGGET OPEN CAST PROJECT AURAPALI-CITANORAGUTT ADD & CCL

	CIER VILLO 14	oposed along with Timeline of Implementation	Capital Lakhs)	(inRevenue Lakhs)	(inTotal Cost (i Laichs)				
	Education		The second	Internet	a consequent.				
	Providing Basic Amenities in 16 schools of 9 villages (Nawakhan, Jordan, Chatti Bariata, Sijhua, Bukru Badhalkhap and Peto of Hazaribagh District and Serandag and Ursu villages of Chatra Dist) (Smart Classes, computers, toilets, boundary wall, drinking seater, (ibrary, sports, uniform, desks and benches)								
	1 st Year	Deep boring at 5 schools costing 35 lakh (Nawakhap, Chatti Bariatu, Sijhua, Usru Badhaikhap)	tā	0	35				
		Furniture in 3 schools costing 1 Lakh & Distribution of Utensils for 8 Schools costing 1 Lakh (A) Villages)		0	2				
		Smart classrooms 10 nos. schools costing 20 Lakh (Nawakhap, Chatti Bariani, Jordag, Badhalkhap an Peto)		0	20				
	2 nd Year	Provision of RO filtets at 5 schools with 10 Lakhs, (Nowskhuz, Chatti Baricata, Sijhua, Usru Badhatkhap)	210	o	10				
	1	Toilais at 5 schools costing 50 Lakhs (Nawakhar Chaiit Bartani, Badhatkhap, Bukru and Peto) and Building renovation of Bukru school 20 lakhs.	d79	0	70				
		5 sets of computers to 5 schools costing 10 Lakhs (Sijhua, Serandag, Ursu, Bukra and Badhaikhap),	10	0	10				
	3 rd Vear	Construction of boundary wall at 8 schools coaring 4 lakhs (Jordag, Chatti Buriatu, Sijhua, Bukru Badhaikhap, Peto, Scrandag and Ursu vitlages	1 S S S S S S S S S S S S S S S S S S S	0	40				
	for the second second second second	Building renovation Peto School costing 10 Lakhr,	10	07	10				
	I d to 10 th Y	carDistribution of Uniforms, books and sports utility materials to 10 no, of schools in 9 villages costing 10 lakhs per year for 10 years		160	. 100				
-	Photos Providence	and a second		A CONTRACTOR OF A CONTRACTOR O	and the second se				
	and Bolou F	nonities in 12 no. of Angainwada in nearby 7 villages of floges of Haurribugh Dist, and Schandag of Chatra Dist ities: Toilets, boundary wall drinking water. Fans, a Distribution of Utensils and floor mats for 12) tensils, pla	A CONTRACTOR OF THE OWNER					
	and Balon V List of Activ benches etc 1 st Yeat:	nonities in 12 no. of Angainwulus in mearby 7 villages of floges of Hammibugh Dist, and Schandag of Chatra Dist tites: Toilets, boundary wall detaking water. Fans, u Distribution of Utensils and floor mats for 12 Anganwadis costing 2 Likhs (All villages) Construction of Teilets for 4 centres 10 Likhs (Cli	2 2 2	A CONTRACTOR OF THE OWNER					
	and Eulora V List of Activ benches etc.	nonities in 12 no. of Anganwadis in nearby 7 villages of floges of Han ribogh Dist, and Schandag of Chatra Dist tites: Toilets, houndary will drinking water. Fans, u Distribution of Utensils and floor mats for 12 Anganwadis conting 2 Likels (All villages).) aerstis, pla 2 2 1 10	aine inv. un a S	Gorm, Floor mat				
	and Balon V List of Activ benches etc 1 st Yeat:	 nonities in 12 no. of Anganwalis in mearby 7 villages of floges of Hammibagh Dist, and Schandag of Chatra Dist tites: Toilets, boundary wall detaking water. Fans, a Distribution of Utensils and floor mats for 12 Anganwadis costing 2 Lakhs (All villages). Construction of Toilets, for 4 centres 10 Lakhs (Cli Scrandag and Bukru) Boundary wall and drinking water to 2 centres costing 10 Lakhs (Sijhua, Badhaiking).) densils, pla 2 2 10 5 10	aine inv. un a S	Gorm, Flaor mat 2 10				
	and Bulon P List of Activ benches etc. 1st Yeau 2nd Yeau 1st to 10 th Yeau (Revenue	 nomities in 12 no. of Anganwada in mearby 7 villages of floges of Hammibagh Dist, and Schandag of Chatra Dist tites: Toilets, boundary wall detaking water. Fans, a Distribution of Utensils and floor mats for 12 Anganwadis costing 2 Lakhs (All villages). Construction of Toilets, for 4 centres 10 Lakhs (Cli Scrandag and Bukra) Boundary wall and draking water to 2 centres costing 10 Lakhs (Sijhua, Badhatking) Distribution of Uniforms, Dooks and sports utility materials to 10 no. of schools in 9 villages costing 	2 2 2 10 5 10 5 10	o ing Tayu, sen 0 0 10	160m, Flaor mat 2 10 10				
	and Bulon P. List of Activ benches etc. 1st Year 2nd Year 1st to 10 th Year (Revenue Enhancemen Plantation of Community Bachaikhop	 nonities in 12 no. of Anganwala in mearby 7 villages of floges of Hammibagh Dist, and Schandag of Chatra Dist tites: Toilets, boundary wall detaking water. Fans, a Distribution of Utensils and floor mats for 12 Anganwadis costing 2 Lakhs (All villages) Construction of Teilets for 4 centres 10 Lakhs (Cli Scrandag and Bukra) Boundary wall and drinking water to 2 centres costing 10 Lakhs (Sijhua, Dadharking) Distribution of Uniforms, books and sports utility maternals to 10 no. of schools in 9 villages costing lakhs per year for 10 years of Green cover in nearby villages under the Campaign 4 (Fruit Bearing Saplings at 37 locations including 20 Buildings in 7 villages of Hazaribagh Dist. (Nawakh and Peto) and 3 villages of Chatra Dist. (Usru, Serandag 	2 2 2 2 10 5 10 5 10 5 10 5 10 5 10 5 10	o ing Taya an 0 0 10 10 h ke Naam ^{**} and Anganwaa 5 Chatti Barla	form, Floor mat 2 10 10 10 10 dis, and 9 Villay				
	and Bulon P. List of Activ benches etc. 1st Year 2nd Year 1st to 10 th Year (Revenue Enhancemen Plantation of Community Bachaikhop	 nonities in 12 no. of Anganwala in nearby 7 villages of floges of Haumibagh Dist, and Schandag of Chatra Dist tites: Toilets, boundary wall detaking water. Fans, a Distribution of Utensils and floor mats for 12 Anganwadis costing 2 Lakhs (All villages) Construction of Teilets for 4 centres 10 Lakhs (Cli Scrandag and Bukra) Boundary wall and drinking water to 2 centres costing 10 Lakhs (Sijhua, Dadharking) Distribution of Uniforms, books and sports utility maternals to 10 no. of schools in 9 villages costing lakhs per year for 10 years of Green cover in nearby villages under the Campaign 4 (Fruit Bearing Saplings at 37 locations including 20 Buildings in 7 villages of Hazaribagh Dist. (Nawakh 	2 2 2 10 5 10 5 10 5 10 5 10 5 10 5 10 5	o ing Taya an 0 0 10 10 h ke Naam ^{**} and Anganwaa 5 Chatti Barla	form, Floor mat 2 10 10 10 10 clis, and 9 Villag				

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Ganver Contracts Munices Annual Contracts Contracts Annual Contracts Contracts Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division
S: no.	Activities Prop	used along with Timeline of Implementation	Capital Lakhs}	(inRevenue Lakhs)	(inTotal Cost (in Lakhs)
-	Districts		1000	-	
	(st to 10 th Year (Revenue)	Distribution of Fruit Bearing saplings 5000 nos every year under the campaign *Ek Ped Ma ke Naam"with an estimated Capital Cost of Rs. 7.5 Lakhs /year for 10 years	6	75	75
5	and the second se	s Ambulance Facilities with Life Support System and zarihogh Districts of Jharkhand.	I Periodic	Health camps	for PAFs of Bot
		Ambulance with Basic Life Support System with nursing assitunce and BP, oxygen monitoring equipment and Oxygen delivery services at Revenue Cost Rs. 25.55 Lakhe/ Year for 10 years	0	255.5	255.5
,	1 st to 10 th Year Revenue	Transport Ambulance System for nearby villages for 10 years with Revenue Cost Rs. 9.13 Lakts/ year.	0	91.3	91.3
o.,	l ^{at} to 10 th Yea (Revenue	Conducting health camps bi annually with Health Consultation including check-ups, pathological test and basic modicines Distribution (a) Cost Rs. 10 Lakits per year for next 10 years	0	100	100
4	Drinking Water (Solar Powered Bukra, Badhai)	r Facility I Borewell's with overhead tank and R.O. System at 6 chap, Buker and Peto aillages of Hazaribagh Dist, and	locations Ursu Ville	in 5 no. of vill ige of Chatra D	ages (Sijhua, Che iiat.)
a.	1st Year	Construction of Bore wells with OHT at 6 location with Capital Cost of Rs, 72 Eachs	ny	To all	72
b	2 nd Year to 3 ^h Year	Commissioning of RO plants at 5 forations (g) capital coat of 50 Lakhs		0	⊐_ \$0 \
0.	4th Year ti 10th Year	Maintenance of RO Plants till 10th year of min- operation with an estimated revenue cost of Rs. 1.5 Lakhs per year from 3rd year to 10th year		12	12
5	siltation, earthe Villages: Seea	id recoveration of 57 no. of ponda (32 in buffer zone a in emburkment, plantation, and grassing on a opea and indag. Kumarang Kalan, Kishunpur, Tatudwa and Ursi Bulen, Badhaikhan, Peto etc. of Hazaribagh Dist.	acrator for u villages	pitcisculture)	
		Construction of Embankment for 57 ponds in hearb villages conting Rs. 60.64 Lakbs	A COLORADO	25	60.64
a	1st to 3rd Year	E1190 T3000	100	och	41,8
3		Provision of Aentice for Pisei-culture for 4 no w Ponds costing 2,50 Ladds	Aller	0	2.5
ь	Year (Revenue)	hDe-silitation and eleming of Polific once for two years maintenance of embankment and prussing costin 641.06 Lakhs over a period of 10 years	50	641.06	641.06
-	Skill development (Skill development training in various trades i.e. Electrician, Welder, HMV, Fitter etc.) of Nawakhap, Jordag, Chatti Bariatu, Sijhua, Bukru, Badhaikhap and Peto of Hazaribagh District and Soranda and Ursu villages of Chatra Dist				
6	and Ursu villa	ges of Chatra Dist			
6 8	and Ursu villa	ges of Chatra Dist Skill development training in various trades i. Electrician, Welder, HMV, Fitter etc. for 5 beneficiaries each year for next 10 years @ 17. Lakhs/year	90	175	175

13. EMP Cost: The capital cost of the proposed project is Rs 973.50 Crores and the capital cost for environmental protection measures is proposed as Rs 190.33 Crores. The annual recurring cost towards environmental protection

Mukesh Kumar LES Divisional Forest Officer Chatre South Forest Division

PROJECT OFFICER CHANDRAGORT OPEN CAST PROJECT AMRAPALI-CRANORAGUPT AREA, CCL measures is 4.71 Cr. The employment generation from the proposed project / expansion is 2068. The details of cost for environmental protection measures is as follows:

S. No.	Description of Item	Proposed in Lakhs		
a. 140.	Description of Item	Capital	Recurring	
1	Air Environment	1182.00	245.56	
2	Water Environment	1647.00	40.93	
4	Land Environment including conservation plan and other*	16204.96	185.00	
	Total	19033.96	471.49	

14. Details of Solid and Hazardous Waste: The details of solid and hazardous waste generation along with its mode of treatment/ disposal is furnished as below by the PP:

S. No.	Type of Waste	Source	Applicable Rule	Quantity	Disposal
1	Municipal Solid Waste	Townthip, Administrative Buildings, Cantoen and other,	Solid Waste Management Rule 2016	3002.5 kg/day	Biodegradable Waste: Energy or resource recovery by Conventional composting/ vermicomposting/ WTE plant/ Biogas plant etc. Non-Biodegradable Waste: Given to the waste collectors or agency as directed by the local body as per MSW rules, 2016.
2	3	Used Oil & Lubricupts from HEMM/ Mathinerics	Hazardous and other Warles	C SO TPA	Disposed off through MoEF&CC, SPCB, or CPCB Authorized Operator.
3	Hastardous Wastes	Seuled Sludge trom ETP	(Management & Transforundary Movement)	1068 kg/day	Disposed off into Landfill through MoEF&CC, SPCB, or CPCB Authorized Operator,
4		Oil & Grease Sludge from ETP	Rules, 2016	35 kg day	Disposed off through MoEF&CC, SPCB, or CPCB Authorized Operator.

15. Power Requirement and details of diversion of Hi-Tension' Transmission Line: Maximum power demand 1,00,46 kVA. PP submitted that two electricity transmission line of 11 KW & 31 KV are also proposed for diversion in first 5 years. PP submitted that a letter in this behalf was written to the electricity board and the demand draft raised by them has Cist Sha been paid.

16. Plantation: PP submitted that proposed greenbert and safety gone will be developed at 112.45 ha which is about 8 % of the total project area: A 7.5 in wide preenfelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt & Safety zone and green cover as per CPCB/MoEF&CC, New Delhi gnitelines, Local and native species will be planted with a density of 1600 more per bectaro in Greenbett. Total no. of 1,80,000 schlings will be planted and nurtured in 112.45 hoetares in 05 years. Total plantation will be carried out in 1266.63 Ha backfilled area, dismonthed infra and others.

17. Project Cost: The Capital Cost of project is Rs. 973.50 Croces. The fund for the CSR will be allocated based on 2% of the average net profit of the company for die three innoedistely preceding financial years or Rs 2.00 per tonne of Coal Production of the previous year whichever is higher. Cost for froplementing EMP is submitted to be Rs. 190.33 crores as capital cost and Rs. 4.71 crore as recurring cost per year.

18. R&R Issues: PP submitted that are total 9 villages in the project area. Out of these, 3 villages will be completely settled. PP submitted that there will be 1612 PAFs. Cost of R&R is 215 Crore.

19. Undertaking/ Affidavit: PP vide undertaking dated 19.11.2024 submitted that the information provided in Form-1 in PARIVESH, to the Ministry/EAC members and PPT presentation during the EAC meeting to be held on 27th November 2024 have no deviation in respect of the proposal no: IA/JH/CMIN/501930/2024 for EC for coal mining having 1495 Ha of ML Area and capacity of 20 MTPA for Coal Mine Project located at village: Badhaikhap, Bukru, Chatti-Bariyata, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua and Ursu Villages in District: Hazaribagh and Chatra State: Jharkhand State by M/a. Cental Coalfields Limited. Further certified that there are no data entry errors in the information uploaded in

> PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

Mukesh Kumar LF.S **Divisional Forest Officer** Chatra South Forest Division

PARIVESH system including names/email-id/mobile numbers/address of the project proponent, authorized person, etc. It is also certified that the supporting documents upleaded on PARIVESH portal are correct and duly authenticated by the Authorized Signatory and in case any deviation in data found in any of the documents, the Authorized Signatory shall be held responsible and furthermore, the above said project shall be rejected for grant of EC.

20. Legal issue /Violation: PP submitted that a litigation in Hon'ble High Court of Jharkhand is pending and first hearing date of the case is awaited. PP submitted that a litigation (W.P.(C) No.5493 of 2023) is ponding before the Hon'ble High Court of Jharkhand and first hearing date of the case is awaited. The case pertains to Public Hearing held for the project and MoEF&CC is not impleaded as a respondent in the matter.

21. Written Submission: Project Proponent has submitted the following in writing:

Points	Written submissions made				
Revised post-mine closure plan		and the second se	77 Ha to 46.3 1 to 175.14 Ha	Ha and increasing	
Undertaking for	4	PP cubmitted	an undertaking	z that:	
diversion of coal	1. Stee	s shall be taken to explore an alternativ	re coal trainpo	rt mute for the proje	et to protect local
ransportation route/	1		ty along Bingh		- and - compared
rehabilitation of	1- 3h	2. Rehabilitating the houses of	Hinglat neur co	sal transportation ro	ute.
houses near the	Sec. 2	3. Rehabilitating the houses of	Binglat near of	and transportation ro	ute.
transportation route		RIV	F		
of Binglat village	- FRI Land	A P	~ 1	No. (22)	and the second s
Revised timeline for Environmental Control Measures	PP subm	atted the revised timeline for implement Capital Cost of Environm A. Air Pollutio	ollows: entat Control	Measures in Lakh casures	0
	S. No.		Capital Cost		Revised Timeline
	2 1.	7 no. Mobile Mist type Sprinkling system within Quarty and Dump	Less) R	4 nos. for initial 5 years and 7 nos. from 6th Year	4 nos. from start o Mine Operation and 7 nos. from 66 Year
	2	Black topping road of 1 km from	200	1st year of mine	Prior to Mine
	6	Mine to T Junction Binglat	and the	operation	Operation.
	03	Black topping of Coal transportation Haul road from Ming (Section 1,2 &	100	3rd year of mine operation	3rd year of mine operation
1	120	3) to CHP	E.L.	5	
	14	Fixed Mist type sprinkling system on	200	ريني ا	1
the set		Hau Read for length of around 2.5- km		RIO	
	5.	Closed crushing and Automated	Kovered	3rd Year of mine	3rd Year of mine
	1.1	spinkling sylknymen	Grat	operation	operation
1 P	б,	4 no. of Fixed Fog earons for Diret Suppressions at CHP	26	-	-
	7.	Permanent Wind screens at CHP around 500 m	50		
	8.	1 no. of Mobile fog canon along CTR from Mine to Amrapali Entry Point	45	From 1st year to	Prior to Mine
	9.	Permanent Wind screens on CTR near Binglat village from High level bridge to T-junction around 500 m	50	3rd year of mine operation	Operation
	10.	2 no. of Continuous Ambient Air	130	1st year of mine	Prior to Mine

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PROJECT OFFICER CHANDRADUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT ATTA CCA

		Quality Monitoring System		operation	Operation		
		Sub Total (A)	1182				
		B. Water Pollut	ion Control M	lessures			
	S. No.	Pollution Control Measure	Capital Cost	Earlier Timeline	Revised Timeline		
U	11.	ETP of 300 KLD Capacity consisting of Oil and Grease Trap and Settling ponds with recycling arrangement	100	To be Completed during 1st year of mine operation	Prior to Mine Operation		
	12.	STP (1 MLD) with Primary and Biological treatment systems to be provided at Colony and office premises	250	To be Completed during 3rd year of mine operation	To be Completed during 3td year of mine operation		
	13.	Toe Wall and Garland Drain with Sequential Settling ponds to treat run- off from OB Dump and other industrial Premises	402	As per the Mine development plan	As per the Mine development plan		
	14	Construction of Sequential Settling ponds to treat mine seepage	250				
	15.	Protection of Surface water bodies including diversion of Chotki Stream and construction of Embankment	ES	As per the Nala diversion plan and mine development plan	As per the Nala diversion plan and mine development plan		
3	16.	Roottep Rom water Harvesting at Office and residential buildings	80	To be completed by the 3rd year of	To be completed by the 3rd year of		
×	17.	Treated Drinking Water Supply to Colony and Office	80	mine operation	mine operation		
	18,	Installation of Prozometers with Telemetry for monitoring of ground water level	60	To be Completed during 1st year of mine operation	Prior to Mine Operation		
Section of the local division of the local d	- Andrewski (Sub Total (B)	1647	11 Martin	2000000		
	C.1 and Reclamation						
	Com	Progressive reclamation of degraded	10844	As per the progressive replanation plan	As per the progressive reclamation plan		
	202	Conservation Plan of Schedule-I - species (WLMP)	5360.96	To be taken up as per the opproved Wildlife Nanagement Plan	To be taken up as per the approved Wildlife Management Plan		
	10	Sub Total (C)	16204,96	ALC: NO.			
		Grand Total (Arr(B)r(C) in Ry) Lakhy	19033.96	and the second second			
NoC of CGWA	PP o	obtained NOC from CGWA vide Ref N 19.11.2024, valid till 18.11			/21001 Dated:		

Deliberations and Observations of the Committee:

22. The Committee noted the following:

i. The instant proposal is a greenfield project for grant of Environment Clearance (EC) for Chandragupt Opencast Coal Mine Project of M/s Central Coalfields Limited, located at Villages: Ursu, Bladaikhap, Sejhua, Bukru, Chatti Bariatu, Jordag, Nawa Khap, Pachanra & Peto; District: Hazaribagh & Chatra; State: Jharkhand.

> PROJECT OFFICER CHANGRAGUPDOPEN CAST PROJECT AND/APALS CHANGRAGUPT AREA I'CK

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division ii. This proposal has been earlier appraised in 48th EAC meeting held on 28.08.2023 and 8th EAC meeting held on 28.02.2024 and the proposal was returned in its present form. Now the proposal is again placed in 18th EAC meeting held on 27.11.2024 before the EAC for appraisal wherein proponent has submitted point wise reply to the observations of EAC. iii. The EAC took into consideration the project site through KML file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH. Project site is located in Hazanbagh District, which is a Severely Polluted Area as per CEPI Assessment 2018. However, the project site is not situated in the SPA specified areas of Hazaribagh and PP has submitted a letter from Jharkhand State Pollution Control Board dated 05.10.2023 in this regard. Hence, Project does not fall in the Critically Polluted Area (CPA)/ Severely Polluted Area (SPA), as per CEPI Assessment 2018.

iv. The total mine lease area is 1495 Ha and it involves forestland of 699.38 Ha. Stage 1 FC for the forestland was accorded on 27/05/2024. Further, the project is not located within 10 km of any ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/ tiger corridor/elephant corridor etc. PP also submitted a letter from PCCF dated 16.04.2024, wherein it is mentioned that "Chandragupt OCP, CCL does not fall under any notified Corridor, Sanctuary and ESZ."

v. PP aubmitted that 21 nos of Schedule-I species have been identified to be present to the study area, as per the baseline study and authenticated list of flora and fauna. A detailed wildlife management plan for the study area with budgetary provisions of Rs. 5360.96 Lakbs has been prepared and submitted to DFO for approval. Consequently, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO vide GM (AC)/PO(Chandragapt)/ 24-25/257, dated 24.08.2024 for approval of CWDW. The DFO has approved the WLCP and has forwarded the same to RCCF for further processing.

vi. Terms of Reference was gnanted on 13.09.2021, ToR is valid till 12.09.2025.

vii. The Committee deliberated on the Carbon Sequestration Study done by the proponent and is of the opinion that the PP should commune the Carbon Sequestration Study monitoring through MoliFCC institution (eg: ICFRE) for next 3 years including carbon emissions from coal mining.

viii. Committee deliberated on the Ecological Assessment Study conducted for River/ Streams passing through the ML Area. The Committee is of the opinion that a biodiversity conservation plan in the riparian zone should be prepared and implemented in this regard.

ix. The Complitute defibusated on the wates requirement for the stild-project and diversion of any river, nallah, if proposed. PP submitted that the water requirement during construction plasse is 200 KLD and during the operational phase is 6760 KLD (peak requirement). Source of water proposed to be used is groundwater for which PP has obtained NOC vide Ref No: COWA/NOC/MIN/OR1G/2024/21001 Dated, 19/11/2024, valid till, 18/11/2026 for extraction of 6420 KLD. PP also submitted that Chocki River is proposed for diversion and a detailed study for the same hit, Scen done by IIT Roorkee, wherein DPR of stream diversion was prepared and submitted to Water Resource Dept. of thatsched. Diversion of Chotki stream was recommended by the Chief Engineer (WRD). Parchi vide letter to C.E. 10/45/2022/230 dated 25/04/2023 and forwarded the proposal for issuance of NoC. However, the issuance of NoC is awaited due to the departmental process for "Approval of guidelines for Nala Diversion" is currently in progress.

The Committee is of the opinion that, the Choise user should be diverted only after receiving the NoC from Water Resource Department of Ibarkhand and no other river or nallely should be diverted.

x. Committee deliberated on the method of transportation proposed for Coal. The Committee is of the opinion that the construction of CHP must be completed within 3 years of grant of EC. Committee also deliberated on the dedicated coal transportation road which shall be used for transportation of coal. It was observed that there are a few houses besides the transportation road. Committee is of the opinion that, these houses shall be either rehabilitated or, if possible the particular road shall be diverted. PP submitted that, the houses besides the road will be rehabilitated and also submitted an undertaking in this behalf. The Committee also opined that plantation should be done on the transportation route and fog cancus must be installed for dust suppression.

xi. The Committee deliberated on the Public Hearing and observed that the PH was conducted in two districts, as the project area falls in 2 different districts, i.e., Hazatibagh District and Chatra District. PH in Hazatibagh district was conducted on 21.02.2023 and PH in Chatra District was conducted on 23.02.2023 and major issues raised during the PH in

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PROJECT OFFICER CHANDBAGUPT OPEN CAST PROJECT AMRAPHECHANDRASUOT ANTA COL both the districts were related to pollution and damage to environment, degradation of forest land, employment, land authentication, R&R, education, Health, general amonities, loss of livelihood and skill development.

The Committee deliberated on the Court Case pending on the project at Hon'ble High Court of Jharkhand, which alleges a defective Public Hearing held for the project. PP submitted that the first hearing of the same is yet to happen and they shall abide by the order of the court.

xii. The Committee deliberated on damping of OB and is of the opinion that no OB damping shall be done outside the ML area.

xiii. Committee deliberated on the plantation activities proposed by the PP. PP submitted that the proposed greenbelt and safety zone will be developed in 112.45 ha which is about 8 % of the total project area. A 7.5 m wide greenbelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt & Safety zone and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 1600 trees per hecture in Greenbelt. Total no. of 1,80,000 suplings will be planted and nurtured in 112.45 hectares in 05 years. Total plantation will be also be carried out in 1266.63 Ha backtilled area, committee infra and others. The Committee is of the opinion that the final void area as proposed should be reduced and plantation should be accordingly increased. PP submitted that the void of 194.77 Ha, which was supposed to be converted into a water body as per the approved mine plan will be reduced to 46.31 Ha and remaining 148.40 Ha laad will be developed with plantation. Committee also suggested for the concurrent plantation plan to be implemented from 1st year convards.

xiv. Committee is of the opinion that crop compensation shall be given to the farmers in case there is decrease in the production due to the mining activities.

xv. Committee is of the opinion that the proponent must develop an inhouse Environment Management Cell with qualified personnel to make sure the implementation of all the mitigative measures and conditions for the refeguards of the environment

xvi. Committee deliberated on the revised budget associated with EMP and Public Hearing and suggested to revise the timeline of the proposed environmental control measures. PT made the necessary changes and submitted the same as part of written submittein.

xvii. The Capital Cost of project is Rs. 973:50 Crores. Cost for implementing EMP is submitted to be Rs. 199.33 crores as capital cost and Rs. 4.71 crore as recurring cost per year.

xviii. Committee also deliberated on the measures proposed towards the SDGs 2030 and suggested installation of Solar Roof Top Panels and Solar Street Lights as one of the measures towards it.

xix. The Committee deliberated on the baseline data and incremental GLC due to the proposed project and observed that AAQ levels are within NAAQS.

xx. The Committee noted that the ELV/EMP report is in compliance of the ToP issued for the project, reflecting the present environmental status and the projected speciario for all the environmental components.
xxi. The EAC also deliberated on the written submission of the project proposent and found it satisfactory.

Recommendations of the Committee:

23. Based on the discussions held and the documents submitted, the EAC recommended the proposal of Environment Clearance for Chandragupt Opencast Coal Mine Project (area 1495 Ha having capacity 20 MTPA) by M/s Central Coalfields Limited, located at Villages: Ursu, Bhadaikhap, Sejhua, Bukru, Chatti Bariatu, Jordag, Nawa Khap, Pachanra & Peto; District: Hazaribagh & Chatra; State: Jhatkhand under the provisions of EIA Notification, 2006 (as amended), subject to the compliance of the following specific conditions in addition to the general/Standard EC conditions (Annexure-I).

24. The MoEF&CC has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the EAC hereby accords Environmental Clearance to M/s. Central Coalifields Limited for Chandragupt Opencast Coal Mine Project

> PALIEUT UPPILIER CHANGAAGER GREN CAST PROJECT AMMAPALI CHANGRADUPT MEA. CC.

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division (area 1495 Ha having capacity 20 MTPA), located at Villages: Ursu, Bhadaikhap, Sejhua, Bukru, Chatti Bariata, Joadag, Nawa Khap, Pachanta & Peto; District: Hazaribagh & Chatra; State: Jharkhand subject to compliance of the Specific Environmental safeguard Conditions in addition to the standard EC conditions (Amexure-I).

25. The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

26. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals/clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

27. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

28. Any sppeal against this environmental clearance shall be with the National Green Tribunal, if preferred, within a period of 30 days as presented under Section 16 of the National Green Tribunal Act. 2010

29. General Instructions:

(i) The project proponent shall prominantly advertise it at least in two-local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment elearance and the details of MoEF&CC website where it is displayed.

(ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.

(iii) The project projectent shall have a well hid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / focust / wildlife norms / conditions.

(iv) Action plan for implementing EMP and environmental conditions along with respectibility matrix of the project proponent (during construction plane) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise finds usinfanked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six mentally progress of implementation of action plan shall be reported to the Ministry Regional Office along with the Six-Monthly Compliance Report.

(v) Concealing factual data or submission of false fabricated data may result in revacation of this environmental clearance and attract action under the provision; of Environment (Protection) Act, 1986.

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(vi) The Regional Office of this MoEP&(C shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(vii) Validity of EC is as per the provision of EIA Notification, 2006 and its subsequent amendment.

30. This issue with an approval of the Competent Authority.

Yours faithfully,

(Sundar Ramanathan) Scientist "I" Tel: 011- 20819378

Muld & KausarthE Shite Divisional Forest Officer Chains South Forest Division

CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA CO

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1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.

2. The Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi.

 Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office, 2nd Floor, Headquarter-Jharkhand State Housing Boerd, Harmu Chowk, Ranchi, Jharkhand – 834 002.

4. The Chairman, Jharkhand State Pollation Control Board, TA building, HEC complex, PO Dhurwa, Ranchi,

The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.

6. The Chairman, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi

7. The Regional Director, Central Ground, Water Board, Mid-Eastern Region, 6th& 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road, Dak Banglew, Patna- 800011, Bihar.

8. The District Collector, Hazaritagh & Chatta, Government of Jharkhand.

9. PARIVESH Portal.

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. A. Specific Conditions

S. No	JEC Conditions
LI	No mining operations shall be uncertaken in Forestland, until Stage - II forestry clearance for 699.38 Ha has been obtained under the provisions of Van (Sanrakahan Evan Samvardhan) Adhimyam, Act 1980.
1.2	Project proponent shall abide by the final other of the litigation (W.P.(C) No 5493 of 2023) pending before the Hon ble High Court of Tharkhand.
1.3	PP shall divert Chitki Nallah only after opening NoC from the Water Resource Department of Government of Jharkhand.
1.4	PP shall divert the Cherki Nallah in a mariner that its construction for diversion shall be covered in one go without extended period and works plan shall be designed to complete the diversion avoiding Mensoon season. Embankment height shall be maintained on both side of neillah with sufficient free board upto 3 mts from its HFL.
1.5	PP shall maintain 50 mts width of embankmeat all along the diverted stream/nallah (Chotki) and shall carry out dense plantation with fruit bearing native species.
1.6	The diversion of Chotki Nallah shall be monitored by RO and complete report with the drone video and satellite imagery shall be submitted to concerned Regional Office of MoEF&CC along with the six monthly compliance report.
1.7	PP should complete the construction of CHP within 02 years from the date of grant of EC and no further extension in this regard will be granted. Till such time, coal shall be dispatched through dedicated coal transportation route to nearby Shivpur railway siding by covered trucks which is

Mukesh Kumar I.F.S Divisional Forest Officer Chatra South Forest Division

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

S. No	EC Conditions
	about 8 kms away from the mine lease area.
1.8	No river/ nailah other than Chotki nailah shall be diverted.
1.9	Plantation must be done on both the sides of coal transportation road and fog canons must be installed for dust suppression before the commencement of the mining operation.
1.10	PP should continue the Carbon Sequestration Study monitoring through ICFRE for next 3 years including carbon emissions from coal mining. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office and also kept on the web portal of the company.
ւո	PP shall conduct the Ecological Assessment Study for River/ Streams passing through the ML Area througo a reputed Government Institution and must prepare and implement a biodiversity conservation plan in the riparian zone. Study report and the plan in this regard must be submitted to the concerned RO. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office and also kept on the web portial of the company.
1.12	Greenhelt and safety zone will be developed in 112.45 ha which is about 8 % of the total project area. A 7.5 m wide greenbelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt & Safety zone and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with 2 density of 1600 trees per hectare in Greenbeli. Total no. of 1,80,000 saplings will be planted indiminutized in (12:45 hectares in 05 years.
1.13	PP should either explore the possibility to divert the coal transportation road or rehabilitate the houses in Binglat (near the coal transportation route), as committed.
1.14	PP must give crop compensation to the farmers in case there is decrease in the production due to the limiting activities. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office
1.15	No OB dumping should be done outside the ML area
1.16	PP must install roothop solar panels and encourage the use of tenswol sources of energy.
1.17	The budget proposed for PH is Rs 19.23 Crores, The budget proposed shall be kept in a separate account and audited armu dig. Project proponent that implement the action plan to address the issues raised during public treating within a time tracte of 3 years from the date of grant of EC. PP shall submit the progress report regarding the implementation of action plan to concerned RO along with the six monthly compliance report.
1.18	PP shall implement the protective measure proposed in Environment Management Plan (EMP) in a time-bound manner. The budget carmarked for the same is Rs 190.3396 Crores (Capital) and Rs 4.71 crores (recurring) and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.
1.19	Main haul road in the mine shall be provided with permanent water sprinklers, and other roads shall be regularly wetted with water tankers fitted with sprinklers. Also PP shall install Mist Cannon Due Suppression Systems (80-100 mtrs.) at Coal Stock Yard to suppress the dust particles.

Divisions Chatra South Forest Division

PROJECT OFFICER CHANDRAGUNT OPEN CAST PROJECT AMMAPALICHIMPROSCIPT ART & CT

S. No	EC Conditions
1.20	Garland drains (2mX3m) of adequate size shall be provided at the toe of the benches to arrest discharge and runoff with silt and sediments surging into areas adjoining the periphery of Overburden dump, which will be regularly cleaned before the onset of monsoon every year.
1.21	Check dams shall be constructed at required locations within drains to arrest croded materials and settling ponds shall be constructed to treat mine discharge water inside the mine block.
1.22	Water harvesting pond shall be created separately to recharging the ground water and usage of project affected families.
1.23	Proper profiling of working benches of pits and dumps shall be done to channelize water in garland drains & sumps.
1.24	Waste generated from the domestic use shall be treated in STP and the treated water will be utilized in plantation & greenbelt development. Wastewater from the HEMM washing/ workshop will be treated in ETP. After treatment, water will be reused in washing of HEMM, dust suppression and greenbelt development.
1.25	PP shall make use of advanced computer simulation techniques for design and execution of blasting operation in the pupe. PP shall make use of Electronic Delay Deforators for optimal blasting in coal and OB rock to minimize the environmental impacts of blasting such as ground vibration, fly rocks and excessive dust generation.
1.26	PP shall create a "Public Grevence Refressel" and Monitoring System." for resolving any issues related to the pollution of nimes and complaint has to resolve as soon as possible not beyond 30 days. In this regard, adequate awaranese to be stread among the public to address their grevance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to IRO within 3 months. A logbook to be maintained by PP on "Public Grevance Redressal and Monitoring System."
1.27	PP shall install fixed fog cannon (mist spayer) and fixed sprinkler all along too haul road/ CHP, and OB domp till Railway siding is completed. The sufficient number of fog cannons that less than 10 nos.) with 46 mis jet length shall be installed within 6 months. It should be unsured that air pollution level continue to the standards prescribed by the MOEPCC/CPCB
1.28	PP shall deposit the approved amount as proposed for wildlife conservation plan to the Govt of Jharkhand, Forest & Environment Dest, and further constant with State Biodiversity Authority for its CSR activity.
1.29	PP shall conduct third party sudii of compliance of EC condition at an interval six months and its report shall be submitted to IRO, MoEF&CC.
	The status of mine closure activities must be included in every six months compliance report submitted to the state pollution control board and RO of MoEF&CC.
1.31	PP to install solar lights along the read used for transportation of minerals to avoid the accidents a night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year.
1.32	Persons of nearby villages shall be given training on livelihood and skill development to make then Mokesh Kumar I.F.S.

Divisional Forest Officer Chatra South Forest Division

S. No	EC Conditions
	employable with its proper records.
1.33	Han'ble Supreme Court in an Writ Petition(a) Civil No. 114/2014, Common Cause vs Union of India &Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re- grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder. flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MolE&CC.
1.34	PP shall conduct feasibility studies for assessment of voids for backfilling of ash and mixing of ash with overburden, taking us backfilling ash and OB mixing activities during operations as well as post closure of mixes in line with the Fly Ash Utilization Notification, 2021.
1.35	Propenent shall appoint as Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some aliments like BP, diabetes, habitual smoking, ele shall be undertaken once in six months and necessary remedial/preventive measures liken accordingly. The prevention measures for burns, malaria and provision of anti-snake venomi including all other parametrical categorical may be cartied before initiating the mining activities.
1.36	PP to matall solar lights along the road used for transportation of minerals to avoid the accidents at night and also carry out its maintenance.
1.37	The illumination and sound et night at project sites distant the villages in respect of both human and animal population. Consequent desping disorders and stress may affect the health in the villages is described close to mining operations. Habitations have a right for darkness and minimal noise levels at dight PP's must ensure that the biological tlock of the villages is not destarbed, by orienting the fieldights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.
1.38	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory clientist and staff for monitoring of an water quality parameters on routing basis. Any non-compliance or infortigence as board be reparted to the concerned authority.
1.39	Wildlife conservation plan as approved by the competent authority shall be implemented Additional, budget shall be added in the plan, in case additional measures suggested by state wildlife department. The final Wildlife conservation plan duly approved by the CWLW shall be submitted to RO, MoEF&CC within a time frame of three months from the date of grant of EC and the budget approved by the concerned authority shall be deposited in government account.
1.40	PP shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 (an amended). In pursuant to the Ministry's OM dated 18/07/2022, PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the

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PROJECT OFFICER CHARDRAGUPT OPEN CAST PROJECT AND APALI-CHARDRACUPT AREA

S. No	EC Conditions
_	Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report being submitted by PP.
1,41	Four numbers of Continuous Ambient Air Quality monitoring system shall be set up to monitor common/criteria pollutants from the flue gases such as PM10, PM2.5, SO2, NOX within the lease area in consultation with OSPCB. The monitoring of other locations (at least three locations outside the lease area covering upwind and downwind directions at an angle of 120° each) shall be carried out manually.
1,42	PP shall ensure that diesel operated vehicles will be switched over to E-Vehicles in a time bound manner, replace the passenger vehicles to E-vehicle in phased manner. Further, for local movement of officials Contract of Vehicles the E-vehicle in phased manner. Further, for local movement of officials Contract of Vehicles tike Bolkens for ash transportation for short distance subject to availability of such E-vehicles and adequate charging infrastructure in the surrounding area shall be provided. PD shall submit the action taken report to concerned RO with amount spent, photographs (before & after), number of e-vehicles deployed etc. in six monthly compliance report.
143	Digital processing of the entite lease shall be through remote tensing techniques should be dom- tegularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional Office at Bhubaneshwar
1.44	R&R shall be not less than the norms presented in National R&R Policy 2007/State R&P Policy/CCL Policy whichever is higher.
1.45	Project proponent is advised to implement the 'Ek Ped Maa Ke Nami' Campaign which was trunched on 5thlune 2024 on the oppasion of the World Environment Day to increase the fores cover across the Country. This plantation drive is other than Green belt development. The action in this regard shall be submitted concerned RO in six monthly report.

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S. No	EC.Conditions
1.1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation Act, 1986, in case of the diversion of forest and for non-forest purpose involved in the project.
1.2	The project proponent shall optain clearance from the National Board for Wildlife, if applicable.
13	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Pla and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the Stat Forest Department. TThe implementation report shall be furnished along with the six-monthl compliance report (in case of the presence of schedule-I species in the study area).
1.4	The project proponent shall obtain Consent to Establish / Operate under the provisions of Al (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution Act, 1974 from the concerned State pollution Control Board/ Committee prior t

PROJECT DEFICER CHANTIRAGUPT DEEL CAST PROJECT AMRAPALI-COMPLEXAGUPT AREA COL

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

S. No	EC Conditions
	start/commencement of mining operations/production
1.5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.6	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Continuous imbient air coulity monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCTE. Monitoring of heavy metals and as Hg, As, Ni, Cd, Co, etc to be carried out at least once in six months.
2.2	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board, Data on ambient air quality and heavy metals such as Hg. As, Ni, Cd. Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.
2.3	Transportation of coal, to the extent, if perintued by road, shall be carried out by covered trucks conveyors. Effective control measures such as regular water/must sprinkling/rain gun/ Fog camoon etc shall be carried out in critical areas prome to air pollution (with higher values of PMI(0/PM2.5) such as Junit road, loading/unloading and transfer points. Fugitive dust emissions from all acutees shall be controlled regularly. It shall be posted that the Ambient Air Quality parameters entitient to the norms prescribed by the Central/State Polluplot Control Board.
2.4	The mansportation of cost shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road possing through any village shall be avoided. In rate, it is proposed to construct a "bypass" road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.
2.5	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.
2.6	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air bonne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be we operated or fitted with dust extractors.

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CHANDRAGUPT OPEN CAST CONTENT

S. No	EC Conditions
2.7	Coal bandling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.

3. Water Quality Monitoring And Mitigation Measures

S. No	EC Conditions
3.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.
3.2	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
33	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monston, posisimonicon and winter. The ground water quality shall be monitored once a year, and the data time collected shall be sent regularly to MOEFCC/RO.
3.4	Monitoring of water quality upstream and downstream of river including pous, lakes, tooks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change Regional Office.
3.5	Ground water, excluding mine, water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and sugmentation of ground water resources
3.6	Catch and/or garland drinns and silitation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies. Further, dump material shall be properly consolidated, compacted and accumulation of water avoir dumps shall be avoided by providing adequate chambels for flow of all into the drain. The drains' ponds so constructed shall be regularly de-salted particularly before onset of monoscier, and maintained properly. Sump capacity should provide adequate meeting period location properties thing at all material. The water so collected in the sump shall be utilized for dust subpression and presented in water and other industrial use. Dimension of the relating util constructed, if any, if the for of the OB dumps within the mine to check run-off and silitation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.
3.7	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).
3.8	Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time. Adequate ETP /STP needs to be provided.
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Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

S. No	EC Conditions
3.9	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
3.10	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.
3.11	The project proponent shall take all preclationary measures to ensure riverine/riparian cossystem in and around the coal mine up to a distance of 5 km. A rivariae/riparian cossystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.

4. Noise And Vibration Monitoring And Prevention

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S. No	EC Conditions
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollation Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc.shall be provided with periodal protective ecalipments (PPE) like car plugs multist in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Program in usage of such accessories to be monitored.
4.2	Controlled blasting techniques shall be provided in order to mitigate ground vibrations. By rocks, noise and air blast etc., as per the gaidel nes prescribed by the DGMS.
43	The noise lavel survey shall be carried out as per the prescribed guidelines to essess noise exposure of the workmen at vulnerable points in the mine premises, and seport in this regard shall be submitted to the Ministry/RO on six-monthly basis.

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5. Mining Plan

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S. No	C-Paymeed Sadmons
5.1	Mining shall be carried our under suict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.2	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
5,3	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980.
5.4	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPRESCHANDRAGUPT /

S. No	EC Conditions
	improvements and use of renewable energy.

6. Land Recalmation

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S. No	EC Conditions
6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least ence in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
6.2	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in cese it exceeds 40 m, adequate engineering interventions shall be provided for sustemance of aquatic life therem. The remaining area shall be backfilled and covered with thick and alive top soil. Post- mining, land be rendered usable for agricultural/forestry purposes and shall be diverted. Purther action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and spinsequent amendments.
6	The entire excavated area, backfilling, external OB camping (including top soil) and afforestation plan shall be in conformity with the "during mining"? post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.
64	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at carmarked site(s) only and shall not be kept multilized. The top soil shall be used for land reclamation and plantation purposes. Active OB durings chall be stabilized with native grass species to prevent erasion and surface run off. The other overbarden durings shall be vegetated with native flora species. The excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of reinspilluted areas shall continue until the vegetation becomes self sustaining. Geopliance status shall be submitted to the Ministry of Environment. Forest and Cimate Change/ Regional Office
6.5	The project proponent shall make necessary alternative arrangements. If grazing land is involved in edge zone, in consultation with the State government to provide pitchate areas for livestock grazing if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring proving land.

7. Green Belt

S. No	EC Conditions
7.1	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flom/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.
7.2	Greenbelt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic

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Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

S. No	EC Conditions
	species should be given priority) shall be developed all along the major approach/ con transportation roads. And Plantation should also be carried out in nearby area with consent of fores department and gram panchayat within 10 km radius with its proper maintanance

8. Public Hearing And Human Health Issues

S. No	EC Conditions
8.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it's RO on six- monthly basis.
8.2	The project proportion shall undertake occupational bealth curvey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
8.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
8,4	Implementation of the action plan on the issuer raised during the public hearing shall be ensured. The project proponent shall under place all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing 1 and custoes shall be compensated as per the norma- haid down in the R&R policy of the company/State Government/Central Government, as applicable.
8.5	The preject proponent shall follow the mitigation measures provided in the Ministry's OM No.2 (1013) 5712014-1A.D. (M) dated 29th Oslober, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and yillages are the part of minic lease areas or habitations and villages are skirounded by the minic lease area.

9. Corporate Environment Responsibility

9.1	The project proponent shall comply with the provisions contained in this Ministry's OM dated 30/09/2020, as applicable, regarding Corporate Environment Responsibility.
9.2	The company shall have a well hid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholder's/stake holders.
9.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the

S. No	EC Conditions				
	organization.				
9,4	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds carmarked for environmental protection measures shall be kept in separate secount and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.				
9.5	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.				

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S. No	EC Conditions					
10.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at leas in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.					
10.2	The corners of the environmental clearance shall be submitted by the project proponents to the Hendr of local bodies, Pancheyats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.					
10.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly passi					
10.4	The project proponent shall monitor the criteria pollutants level namely, PL(10, SO2, NOx (ambien levels) or critical sectoral parameters, indicated for the projects and display the some at a convenient location for discloster to the public and put on the website of the company.					
10.5	The project proponent shall submit six-monthly reperts on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.					
10.6	The project proposent shall follow the minimation measures provided in this Ministry's OM No.Z 11013/5712014-IA.If (M) dated 29th October, 2014; titled 'Impact of mining activities or habitations-issues related to the mining projects wherein habitations and villages are the part or mine lease areas or habitations and villages are surrounded by the mine lease area'.					
10.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection Rules, 1986, as amended subsequently and put on the website of the company.					
10.8	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.					

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

S. No	EC Conditions						
10.9	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.						
10.10	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.						
10.11	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.						
10.12	Concealing factual data or submitsion of false/fabricated data may result in revocation of this environmental clearance and aitract action under the provisions of Environment (Protection) Act, 1986.						
10.13	The Ministry may revoke or suspend the clearance, if implementation of any of the abor conditions is not satisfactory.						
10.14	The Ministry reserves the right to stipulate additional condition: if found necessary. The Company in a time bound manner shall implement these conditions.						
10.15	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information monitoring reports.						
10.16	The above conditions shall be enforced intervalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardoua and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other ordors passed by the Honble Supreme Court of India / High Courts and any other Court of Eaw relating to the subject matter.						

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Signed by Sundar Ramanathan Date: 02-01-2025 10:28:38 Reason: Verified and signed



Date:

Annexure-44

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha)&Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-22

Chandragupt OCP undertake that "No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas".

Project Officer Chandragupt Open Cast Project

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division PRESET OFFICER GEARDRAILPT OFFIC CAST PROJECT ANIMARY CONSTITUTES, CO.



Date:

Annexure-45

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-23

Chandragupt OCP undertake that "The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates" within three months of obtaining forest land handover.

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Divisional Forest Officer Chatra South Forest Division

Project Officer/1 Chandragupt Open Cast Project CCL PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT ABRAPALICHANDRIGUPT AREA COL



Date:

Annexure-46

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-24

Chandragupt OCP undertake that "The layout plan of the mining plan/proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal.".

Project Officer

Chandragupt Open Cast Project

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

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Date:

Annexure-47

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-25

Chandragupt OCP undertake that "The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government".

Project Officer Chandragupt Open Cast Project

Mukesh Kumar LFS Divisional Forest Officer Chatta South Forest Division PROJECT OFFICEL CHANDRAGUPT OPEN CAST PROJECT ANDRAPALI-CHANDRAGUPT AREA, CCI



Date:

Annexure-48

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:26

Chandragupt OCP undertake that "No damage to the flora and fauna of the adjoining area shall be caused".

PROJECT OFFICEN CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA. CCL

Project Officer Chandragupt Open Cast Project

Mukesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division



Date:

Annexure-49

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-27

Chandragupt OCP undertake that "Comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project".

Project Officer Chandragupt Open Cast Project

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA. CCL

Makesh Kumar LF.S Divisional Forest Officer Chatra South Forest Division

Annexure 50



Date:

Annexure-50

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalifields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:28

Chandragupt OCP undertake that "submit the annual self-compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly".

Mukes¹, Kamer LFS Divisional Forest Officer Chairs South Forest Division

Project Officer Chandragupt Open Cast Project CHANDRAGUIT O AMRAPALLCHANDRAGEPT ARE 1 PT



Annexure-51

Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:29

Chandragupt OCP undertake that "Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife shall be carried with by the State Government and user agency".

Mokesh Komar LPS Divisional Forest Officer Chatra South Forest Division

Project Officer Chandragupt Open Cast Project CCL

PREVENT OFFICER

CENTRAL COALFIELDS LIMITED A Mini Ratna Company (A Subsidiary of Coal India Limited) OFFICE OF THE PROJECT OFFICER CHANDRAGUPT OCP VTC BHAWAN, HONHE AMRAPALI-CHANDRAGUPT AREA Coal India Limited A Maharatra Corpany 12 2023 INDIA verialidais.

Date:

mnexure-51

Annexure-52

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha)&Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:30

Chandragupt OCP undertake that "Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019".

Mukesh Kumar LES Divisional Forest Officer Chains South Forest Division Project Officer Chandragupt Open Cast Project CCL



Ref.No.PO[Chandragupt24-25/ 32.5

To,

The Divisional Forest Officer, Hazaribagh West Forest Division, Hazaribagh.



Sub: Pointwise compliance of the conditions of Stage-I Clearance for 699.38Ha (400.96Ha Chatra South Forest Division and 298.42 Ha in Hazaribagh West Forest Division) of Forest land of Chandragupt OCP, CCL issued by MoEF&CC, Govt. of India, vide File.No.8-24/2023-FC dated 27.05.2024

Date:

Ref: Stage-1 / In-Principle of FC granted by MoEF&CC Delhi vide File No.-8-24/2023-FC dt. 27.05.2024.

Dear Sir,

Pointwise compliance of conditions of Stage-I Forest Clearance for the diversion of 699.38 Ha Forest land of Chandragupt OCP, CCL issued by MoEF&CC, Govt. Of India, vide F.No.8-24/2023-FC dated 27.05.2024 in Chatra&Hnzaribagh Districts of Jharkhand is being furnished below (8 copy) for kind perusal and further needful.

S.NO	Land and the second sec	Compliance Status
1	Legal status of the diverted forest land shall remain unchanged;	Chandragupt OCP undertakes that Legal status of the diverted forest land shall remain unchanged. Undertaking in this regard is attached as Annexure-1
2	Compensatory Afforestation:	1 17 17 2024 Care
k	The User agency shall provide suitable non-forest land equivalent to the forest land proposed to be diverted for the purpose of Compensatory afforestation. The said land	2024, shall be allowed to submit compliance of the principal and and
	afforestation. The said land	PROJECT OFFICER

Compliance of Stage - I FC conditions of Chandragupt OCP (699.38 Ha) granted vide 8-24/2023-FC dated 27.05.2024

CHANDRAGUPT OPEN ST PROJECT AND Y PROVIDE 11 2 993

	mutated in the name of the forest department and notified as protected forest under the provisions of Indian Forest Act, 1927 are the State Specific laws;	As per the aforesaid guideline, Double degraded Forest land is now being accepted for the purpose of mising CA in lieu of Forest land to be diverted. The related Para v(a) of MoEF & CC guideline is reproduced below: With regards to the applicability of the provisions of the Van (Samrakshan Evan Samvardhan) Amendment Rules, 2024 in respect of proposals of the Central Agencies/PSUs and captive coal blocks of the State PSUs which
H	identified for raising Compensatory Afforestation shall be demarcated by concrete pillars of suitable size and handed over, free from all encombrances to the State Forest Department report the Final/ Stage-II approval	 Central Agencies/Foostable approval stipulating CA over non-forest land, were granted 'in-principle' approval stipulating CA over non-forest land, the following clarification is given in this regard: "Proposals, which were submitted by the States/UTs before notification of Van (Samrakshan Evam Samvardhan) Amendment Rulez, 2024, along with the proposal of raising CA over degraded forest land (DFL) and were granted 'in-principle approval stipulating CA over non-forest land (NFL), shall be allowed to submit compliance of in-principle approval along with CA proposal over DFL in lieu of NFL The Central Government will consider and grant final approval in such cases stipulating CA over
	i. The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and crection of permanent pillars, if required on the CA land, shall be deposited in advance with the Forest Department by the user agency. The CA will be maintained for 10 years. The scheme may include afforestation of indigenous species with appropriate provision for anticipated cost increase for works scheduled for subsequent years. The work of compensatory afforestation shall start within two years of issue of order of diversion of forest land.	 deposited Rs 82,10,67,915.00 2.DFO (Hazaribagh West)vide letter no:216 dated 10.01.2025 CCL has deposited Rs 54,51,52,566.00 3. DFO, Chatra South Forest Division vide letter no :81 dated 15.01.2025, CCL has deposited Rs 27,73,98,900.00 Payment of Rs. 219,42,90,381/ has been made in "Ad-hoe CAMPA" vide UTR No.JCICR42025012700001515 dt 27.01.2025 Out of thix, Rs 164,36,19,381/- (Rupees One Hundred Sixty Four Crore Thirty Six lakh Nineteen thousand Three Hundred and eighty One only), is for cost of Compensatory Afforestation. It is to further mention that, Double Degraded Forest Land (DDFL) for CA purpose in respect of Chandragupt OCP has already been submitted and accepted by IRO, Banchi, and Advisory Committee of MoEF&CC, Delhi. Copy of Site Inspection Report (SIR) by IBO, MoEF&CC Ranchi dated 08.02.2024 is attached as ANNEXURE-3 Copy of demand notes issued by concerned Division (Hazaribagh West & Chatra South), acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-4 & Annexure-5 Duly signed Levies format is attached for kind reference as Annexure SLI
		Divisional Forest Officer West Division, Hazaribag

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALECHUNITRAGUNT ARCH. 17

 transfer the funds towards the cost of Net Present Value (NPV) of the forest hand being diverted under this proposal in accordance with the demand issued by concerned division. Details are a under. Demand note of Rs 49,26,15,446.40 received from DFO.Chat (South) vide the Ltr.No.1129 Dtd.31.05.2024 Demand note of Rs 49,26,15,466.40 received from DFO.Chat (South) vide the Ltr.No.1129 Dtd.31.05.2024 Demand note of Rs 49,26,05,38,282.00 received from DFO.Chat (South) vide the Ltr.No.3331 Dtd.04.06.2024. Demand note of Rs 49,26,15,466.40 received from DFO.Chat (South) vide the Ltr.No.3331 Dtd.04.06.2024. Demand note of Rs 49,26,05,88,28.00 received from DFO.Chat (South) vide the tar.No.3331 Dtd.04.06.2024. Copy of demand notes issued by concerned Division (Hazaribagh We & Chatra South), acceptance by ED Nodal, GoJ, Challan & bar certificate are attached as Annexure-7 & Annexure-8 Duly signed Levies format is attached for kind reference as Annexure 2 of India. Annexure-9 At the time of payment of the Net Present Value (NPV) at the present rate, the user agency shall furnish an undertaking to pay the additional amount of India. Annexure-9 A Site-Specific Wildlife Conservation plan duly approved by CWLW shall be implemented at the cost of user agency; shall be implemented at the cost of user agency; or of this, Rs 19,47,00,340/-k is for WI.MP Payment has been made in coordinace with the MoEF&CC guideline dul 17.05.2022 (2% of the project Cost) and absequent demand issued by DFO Chatra (South) vitheir Ltr.No.2118 Dtd.25.10.2024 of Rs 19,47,00,340,00. Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bar certificate are attached as Annexure-11 & Annexure-11 Further Chandragup Project, CL undertakes to pay the defict amount if a in respect of WIMP at the time of Stage-11 compliances. 	(f) The User Agency shall transfer the funds towards the cost of Net Present Value (NPV) of the forest land being diverted under this proposal in accordance with the MoEF&CC's guidelines dated 6.01.2022 read with guidelines dated 19.01.2022	 Out of this, Rs 85,92,51,274/- is for NPV. Payment has been made in accordance with the demand issued by concerned division. Details are as under: Demand note of Rs 49,26,15,446.40 received from DFO,Chatra (South) vide the Lir.No.1129 Dtd.31.05.2024
transfer the funds towards the cost of Net Present Value (NPV) of the forest hand being diverted under this proposal in accordance with the MoEF&CC3 guidelines dated 6.01.2022 UTR No.ECICR42024121100000899 dt 11.12.2024. 1. Demand note of Rs 49,26,15,446.40 received from DFO.Chat with the MoEF&CC3 guidelines dated 6.01.2022 I. Demand note of Rs 49,26,15,446.40 received from DFO.Chat (South) vide the Lir.No.1129 Did.31.05.2024 2. Demand note of Rs 36,66,35,828.00 received from DFO.Chat (South) vide the Lir.No.3331 Dtd.04.06.2024. Demand note of Rs 36,66,35,828.00 received from DFO.Chat (South) vide the Lir.No.3331 Dtd.04.06.2024. (ii) At the time of payment of the Net Present Value (NPV) at the present rate, the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Cout of India; Chandragupt OCP undertakes to pay the additional amount of NPV, so determined, as per the final decision of the Hon'ble Supreme Cout of India; 4 A Site-Specific Wildlife Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency; Payment of Rs. 110,26,30,000/- has been made in "Ad-hoc CAMPA" vic UTR No.ICICR4202112100000899 dt 11.12.2024. 0 Out of this, Rs 19,47,00,340/- fk for WLMP Payment has been made in respect of WLMP at the time of Stage-II compliances. a in respect of WLMP at the time of Stage-II compliances. a cost of user agency; b cost of user agency; a cost of user agency; </th <th>transfer the funds towards the cost of Net Present Value (NPV) of the forest land being diverted under this proposal in accordance with the MoEF&CC's guidelines dated 6.01.2022 read with guidelines dated 19.01.2022</th> <th> UTR No.ICICR42024121100000899 dt 11.12.2024. Out of this, Rs 85,92,51,274/- is for NPV. Payment has been made in accordance with the demand issued by concerned division. Details are as under: Demand note of Rs 49,26,15,446.40 received from DFO.Chatra (South) vide the Ltr.No.1129 Dtd.31.05.2024 </th>	transfer the funds towards the cost of Net Present Value (NPV) of the forest land being diverted under this proposal in accordance with the MoEF&CC's guidelines dated 6.01.2022 read with guidelines dated 19.01.2022	 UTR No.ICICR42024121100000899 dt 11.12.2024. Out of this, Rs 85,92,51,274/- is for NPV. Payment has been made in accordance with the demand issued by concerned division. Details are as under: Demand note of Rs 49,26,15,446.40 received from DFO.Chatra (South) vide the Ltr.No.1129 Dtd.31.05.2024
 Duly signed Levies format is attached for kind reference as Annexure 3 Duly signed Levies format is attached for kind reference as Annexure 3 Af the time of payment of the Net Present Value (NPV) at the present rate, the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of Iadia; A Site-Specific Wildlife Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency; Payment of Rs. 110,26,30,000/- has been made in "Ad-hoc CAMPA" vii UTR No.ICICR4202412110000899 dt 11.12.2024. Out of this, Rs 19,47,00,340/-is for WLMP Payment has been made accordance with the MoEF&CC guideline dtd 17.06.2022 (2% of the Project Cost) and subsequent demand issued by DFO Chatra (South) via their Lir.No 2118 Did 25.10.2024 of Rs 19,47,00,340.00. Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bat certificate are attached as Annexure-11 Further Chandragupt Project, CCL undertakes to pay the deficit amount if a in respect of WLMP at the time of Stage-II compliances. Undertaking in this regard is attached for kind reference as Annexure 12 Duly signed Levies format is attached for kind reference as Annexure 12 		
 the Net Present Value (NPV) at the present rate, the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India; A Site-Specific Wildlife Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency; a a b c c a b c a b c c a b d e d <lid< li=""> d <lid< li=""> d d<td>1</td><td></td></lid<></lid<>	1	
 Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency; o UTR No.ICICR42024121100000899 di 11.12.2024. Out of this, Rs 19,47,00,340/-is for WLMP Payment has been made accordance with the MoEF&CC guideline dtd 17.06.2022 (2% of the Project Cost) and subsequent demand issued by DFO Chatra (South) via their Ltr.No.2118 Did.25.10.2024 of Rs 19,47,00,340.00. Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bar certificate are attached as Annexure-10 & Annexure-11 Further Chandragupt Project, CCL undertakes to pay the deficit amount if a in respect of WLMP at the time of Stage-II compliances. Undertaking in this regard is attached as Annexure-12 Duly signed Levies format is attached for kind reference as Annexure 3. 	the Net Present Value (NPV) at the present rate, the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;	
MAUN PRAKASH	Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency;	Out of this, Rs 19,47,00,340/-is for WLMP Payment has been made in accordance with the MoEF&CC guideline dtd 17.06.2022 (2% of the Project Cost) and subsequent demand issued by DFO Chatra (South) vide their Ltr.No.2118 Dtd.25.10.2024 of Rs 19,47,00,340.00. Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-10 & Annexure-11 Further Chandragupt Project, CCI undertakes to pay the deficit amount if an in respect of WLMP at the time of Stage-II compliances. Undertaking in this regard is attached as Annexure-12 Duly signed Levica format is attached for kind reference as Annexure 2 .
Divisional Forest Officer		515 × 547 ×

PROJECT OFFICER CHANDRAGUPT OFEN CAST PROJECT AMRAPALI CHANDRAGUPT AREA, COL

5	To mitigate the impact on water of Barki River and other	The Catchment Area Treatment Plan of Chandragupt OCP has been approved by PCCF/HoFF, GoJ vide Office order No.172 dated 28.11.2024.
	rivulets/nalas, a Catchment area treatment (CAT) plan shall be prepared and	The copy of approval is enclosed as Annexure-13 Payment of Rs. 219,42,90,381/ has been made in "Ad-hoc CAMPA" vide UTR No.ICICR42025012700001515 dt 27.01.2025
	implemented at the cost of the user agency.	Out of this, Rs 48,05,92000/- is for CAT plan. Payment has been made in accordance with the approved plan and demand issued by DFO Chatra (South) vide Ltr No:2343 dated 29.11.2024 of Rs 37,07,26,000.00 and demand issued by DFO Hazaribagh (West) vide Ltr No:5987 dated13.12.2024 of Rs10,98,66,000.00
		Copy of demand notes, acceptance copy by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-14 & Annexure-15
	2	Duly signed Levies format is attached for kind reference as Annexure 22
6	Top Soil Management Plan as recommended by the State shall be prepared and implemented at the cost of the user agency	Top Soil Management plan prepared by CMPDIL. Copy of same is enclosed as Annexure-16 Undertaking in this regard is attached as Annexure-17
7	No mining shall be carried within 60 mtrs from the HFL of the Barki River, and green belts as per norms shall be maintained around the other water bodies;	CCL planning of Mine that, no mining will be carried within 60 mtrs from the HFL of the Barki River, and green belts as per norms will be maintained around the other water bodies also. An undertaking in this regard is attached as Annexure-18
8	The State has intimated that the diversion of Chotki river has been recommended by the Chief Engineer (Water Resources Department). In this regard the copy of approval of the same by the competent authority shall be submitted.	A detailed Stream Diversion study of Chotki stream was done by IIT Roorkee, wherein DPR of stream diversion was prepared and submitted to Water Resource Dept of Jharkhand. The Chief Engineer (Planning and Monitoring), WRD JH recommended for issuance of NoC vide letter No:C.E/645/2022/230 dated 24.04.2023. A detailed Stream Diversion study of Chotki stream was done by IIT Roorkee, wherein DPR of stream diversion was prepared and submitted to Water Resource Dept. of Jharkhand. The Chief Engg. (Planning and Monitoring), Jal Bhawan, Ranchi has recommended for issuance of NoC vide letter no C.E./645/2022/230 dated 25.04.2023. Superintending Engineer, WRD vide letter no. 628 dated 16.07.2024 intimated to PP that "proposal of in-principle approval/NoC for diversion of Chotki Nala at Chandragupt Project is under departmental consideration and any decision regarding the same is subject to the approval of Nala Diversion Guidelines currently under the process of departmental approval". The Standard Operating Procedure-cum-Guidelines issued by tine Water Resources Department, Government of Jharkhand Diversion diversi diversion div

PROJECT OFFICER CHANORAGUPT OPEN CAST PROJECT AMRAPALI-CHANORAGUPT ARCA CT

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		 04.10.2024 for diversion of water flow of river, stream, drain or natural water reservoir. Accordingly, Chief Engineer, Project Planning and Monitoring, Water Resource Department, Jharkhand has directed to submit revised proposal to the concerned field Chief Engineer in context of the above mentioned SOP-cum-Guidelines. CCL has submitted the revised proposal to the Chief Engineer, Water Resources Department, Hazaribagh on 01.11.2024 (Annexure-19) and Field inspection also completed on 12.010.2025 and which is presently under approval of Chief Engineer, WRD, Hazaribagh. Further, CCL has submitted an undertaking that the diversion will only be carried out after obtaining the necessary No-Objection Certificate (NoC) from the Water Resource Department of Jharkhand State. An undertaking in this regard is attached as Annexure-20
9	The State will also prepare a human- elephant conflict mitigation plan which will be funded by the User Agency and will take necessary measure to mitigate drivers of negative human- elephant conflicts and paying timely compensations and ex-	Special arrangement has been made to mitigate human-elephant conflicts. Anti-depredation squad (ADS), ADS vehicle, and monitoring team has been proposed and paying timely compensations and also ex-gratia has been prepared Apart from habitat management, such as food, water, shelter, awareness, etc., for Human Elephant Conflict (HEC), some relevant recommendation of GAJBANDHU YOJNA of Odisha and Guideline for Management of Human Elephant Conflicts (HEC) (MOEF, 2017) has been incorporated in the Site Specific wildlife Mitigation &management plan, and submitted for competent approval.
	gratia;	Meanwhile the Payment of Rs. 110,26,30,000/- has been made in "Ad- hoc CAMPA" vide UTR No.JCICR42024121100000899 dt 11,12.2024. Out of this, Rs 19,47,00,340/-is for WLMP. Payment has been made in accordance with the MoEF&CC guideline dtd 17.06.2022 (2% of the Project Cost) and subsequent demand issued by DFO Chatm (South) vide their Ltr.No.2118 Dtd.25.10.2024 of Rs 19,47,00,340.00.
		Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-8 & Annexure-9
		Further Chandragupt Project, CCL undertakes to pay the deficit amount if any in respect of WLMP at the time of Stage-II compliances. Undertaking in this regard is attached as Annexure-21
		Duly signed Levies format is attached for kind reference as Annexure 22
10	The State Government shall upload the KML files of the area under diversion and the accepted area for raising	To be Complied by State Forest Department

MAUN PRAKASH LF.S. Divisional Forest Officer Viest Division, Hazaribao

PROJECT OPFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALISCHANDRAGUPT AREA, CCL

	compensatory afforestation in the E-green watch portal of FSI, before handing over forest land to the user agency;						
11	All the funds received from the user agency under the project shall be transferred/deposited in	219,4 Depa	42,90,381.0 Intment	0 on 27.01.2025 In Ad-hoc	Fs 110,26,26,699 as per the den CAMPA accou has been done as	nand of the S nt through	2024 & R tate Fores e-porta
	CAMPA account only through e-portal (https://parivesh.nic.in/).	SI No	Particula 78	Demand Raised vide	Amount Paid (RS)	UTR No	Date
	Amount deposited through other mode will not be accepted as compliance of	1	NPV	DPO, Chatm (South) vide Ltr.No.1129 Dtd.31.05.2024	49,26,15,446.40	ICICR42624 1211000008 99	11.12.2024
	the Stage-I clearance;			DFO, Hazaribagh (West) vide Ltr.No.3331 Dtd.04.06.2024.	36,66,35,828.00	ICICR42024 1211060008 99	11.)2.2024
		2	WLCP	DFO Chatra (South) vide Ltr.No.2118 Did.25.10.2024	19,47,00,340.00	ICICR42024 1211060008 99	11.12.2024
		3	SMC	DFO Chatra (South) vide Ltr.No.2117 Dtd.25.10.2024	4,86,75,085.00	ICICR42024 1211000008 99	11.12.2024
				TOTAL	1102626699.00	1CICR42024 1211000008 99	11.12.2024
		4	са	DPO,(Chatra south) vide letter No:61 dated 07.01.2025	82,10,67,915.00	ICICR42025 0127000015 15	27.01.2025
				DFO (Hazaribagh West)vide letter no:216 dated 10.01.2025	54,51,52,566.00	1CICR42025 0127000015 15	27.01.2025
				DFO,Chatra South Forest Division vide letter no :81 dated	27,73,98,900.00	ICICR42025 0127000015 15	27.01.2025
				15.01.2025 DFO Chatra (South) vide Ltr No:2343 dated 29.11.2024	37,07,26,000.00	ICICR42025 0127000015 15	27,91,2025
		15	CAT	DFO Hazaribagh (West) vide Ltr No:5987 dated13.12.2024	10,98,66,000.00	1C3CR42625 0127000015 15	27.01.2025

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT

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MAUN PRAKASH LF.3. Divisional Forest Officer West Division, Hazaribag

			De-	DFO Chatra (South) vide the Ltr.No.2345 Dtd.29.11.2024	2,66,38,000.00	ICICR42025 0127000015 13	27.01.2025		
		6	Siltatico		4,34,41,000.00	1CICR42025 0127000015 15	27.01.2025		
				TOTAL	219,42,90,381.00	ICICR42025 0127000015 15	27,01.2025		
			Total Amount Paid 329,69,17,080.40						
	· · · · · · · · · · · · · · · · · · ·	Cop	y of AdHo	o CAMPA Lovie	s Format is enclo	sed as Annex	ture-22		
12	Following activities, as per approved plan / schemes, shall be undertaken in the lease area by the User Agency under the supervision of the State Forest Department. Approved scheme/plan shall be submitted to the Ministry along with compliance of Stage-I approval:	Chandragupt OCP undertakes that the all the activities in the lease area will carried out as per the approved Mining Plan and report on Soil erosi mitigative measure and Top Soil Management Plan prepared by CMPDIL Undertaking in this regard and The report of Top Soil Management Plan enclosed as Annexure-23 & Annexure-24				Soll erosion APDIL nent Plan is			
L.	Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three year with effect from the issue of Stage II clearance in accordance with the approved Plan in consultation with the State Forest Department;	An undertaking in this regard is attached as Annexure-24(i)							
"	Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme;								
111	Construction of check dams, retention /toe walls to arrest sliding down of the excavated material along	An undertaking in this regard is attached as Annexure-24(m)							

A PROJECT OFFICER CHANORAGUPT OPEN CAST PROJECT AMRAPALICHANDRAGUPT AREA, CC.

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MAUN PRAKASH LF.S. Divisional Forest Officer West Division, Hazaribash

	the contour in accordance with the approved scheme;	
iv	Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 280; and	An undertaking in this regard is attached as Annexure-24(iv)
v	No damage shall be caused to the top-soil and the user agency will follow the top soil management plan.	An undertaking in this regard is attached as Annexure-24(v)
12	User agency either himself or through the State Forest Department shall undertake gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100 meter from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEF&CC before Stage-II Clearance;	 Payment of Rs. 110,26,30,000/- has been made in "Ad-hoc CAMPA" vide UTR No.ICICR4202412110 0000899 dt 11.12.2024. Out of this, Rs 48675085/-is for SMC plan. Payment has been made in accordance with the MoEF&CC guideline dtd 17.06.2022 (0.5% of the Project Cost) and subsequent demand issued by DFO Chatra (South) vide their Ltr.No.2117 Dtd.25,10.2024 of Rs 4,86,75,085.00. Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-25 & Annexure-26 Further Chandragupta Project, CO, undertakes to pay the deficit amount if an in respect of SMCP at the time of Stage-II compliances. An Undertaking in this regard is attached as Annexure-27
13	Safety Zone Management: Following activities, at project cost, shall be undertaken by the user agency for the management of safety zone as per relevant guidelines issued by the Ministry's guidelines:	
K.	User agency shall ensure demarcation of safety zone (7.5 meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars	Chandragupt OCP undertakes that the Demarcation of safety zone (7.5meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department shall be done after transfer of Forest Land. An Undertaking problement is attached as Annexure-28
		An Undertaking information and the attached as Annexure-28 MAUN PRAKASTILES. Divisional Forest Officer Divisional Forest Officer Wast Division, Hazaribasi Wast Division, Hazaribasi
	inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department;	
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н.	Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced by the user agency;	Chandragupt OCP undertakes that the proper fencing of the Safety Zone of the mining lease, adjacent to habitation/ roads shall be implemented. Undertaking in this regard is attached as Annexure-29
ш.	Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Deptt	Chandragupt OCP undertakes that the Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Department. Undertaking in this regard is attached as Annexure-30
ξų.	The State Government and the user agency shall ensure that safety zone is maintained as per the prescribed norms;	Chandragupt OCP undertakes that the user agency shall ensure that safety zone is maintained as per the prescribed norms; Undertaking in this regard is attached as Annexure-31
14	The R&R Plan shall be implemented as per the R&R Policy of State Government in consonance with National R&R Policy, Government of India before the commencement of the project work and implementation. The said R&R Plan will be monitored by the State Government/Regional Office of MoEF&CC along with indicators for monitoring and expected observable milestones;.	The R&R Plan shall be implemented as per the approved R&R Policy of Coal India Limited. Copy of approved R&R plan enclosed as Annexure-32 Undertaking in this regard attached as Annexure - 33
15	The User Agency shall prepare a list of existing village tanks and other water bodies with GPS co- ordinates located within five km from the mine lease boundary. This list is to be	The De-Siltation Plan of Chandragupt OCP has been approved by PCCF-HoFF GoJ vide Office order No.173 dated 28.11.2024. The approval copy as enclosed as Annexure-34 Payment of Rs. 219,42,90,381/ has been made in "Ad-hoc CAMPA" vide UTR No.ICICR42025012700001515 dt 27.01.2025
	PROJECT OFICER	Lesin
A	HANDRAGUPT OPEN CAST PROJECT IRRAPALI-CHANDRAGUPT ANEX, CO.	MAUN PRAKAS Divisional Forest Office West Division, Hazarib

	duly verified by the concerned Divisional Forest Officer. The User Agency shall regularly undertake desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for de-silting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF& CC before Stage-II approval;	Out of this, Rs 7,00,79,000/- is for SMC plan. Payment has been made in accordance with the approved plan and subsequent demand issued by DFO Chatra (South) vide the Ltr.No.2345 Dtd.29.11.2024,CCL deposited the amount of Rs 2,66,38,000.00 & DFO Hazaribagh (West) vide their Ltr.No.5989 Dtd.13.12.2024, CCL deposited the amount of of Rs 4,34,41,000.00 Copy of demand note, acceptance by ED Nodal, GoJ, Challan & bank certificate are attached as Annexure-35 & Annexure-36 Undertaking In this regard attached as Annexure - 37 Copy of AdHoc CAMPA Levies Format is enclosed as Annexure-22
16	The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. Also the trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of concerned DFO;	Agreed Chandragupt OCP undertakes to explore the possibility of translocation of maximum number of trees identified to be felled and shall also ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. Also, the trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of concerned DFO. Undertaking in this regard is attached as Annexure-38
17	The cost of felling of trees shall be deposited by the User Agency with the State Forest Department;	Agreed. Chandragupt OCP undertakes to deposit the costs associated with tree felling as required by the State Forest Department An Undertaking in this regard is attached Annexure-39
18	The User Agency shall undertake mining in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof	Agreed. Chandragupt OCP undertakes that the mining operation and reclamation of mined out area will be done as per the approved Mining Plan/Mine closure Plan. Undertaking in this regard is attached Annexure-40.
	Q.	MAUN PRAKASH
	PROJECT OFFICER CHANGRAGUPT OPEN CAST PR IMPRAFALI-CHANDRAGUPT ARE	DIECT Forest Officer

West Division, Hazaribari

	PROJECT OF ACLR	MAUN PRAKASH
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21	The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;	Environmental Clearance for Chandragupt OCP is granted by MoEF&CO vide File No: IA-J-11015/43/2021-JA-II(M) Dated 02.01.2025. Copy of EC is attached as Annexure-43
20	Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under	Agreed An Undertaking in this regard is attached Annexure-42
19	The User Agency shall comply with the Hon'ble Supreme Court order on regrassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a timely manner;	Agreed. Chandragupt OCP undertakes to comply with the Hon'ble Supreme Cou order on re-grassing, and re-grass the mining area and any other area which may have been disturbed due to mining to restore them to condition which is fit for growth of fodder, flora, fauna, etc. in a timel manner; An Undertaking in this regard is attached Annexure-41
	shall be submitted to the Nodal Officer, Fcrest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the concern Addi. Principle Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily executed;	

22	No labour camp shall be established on the forest land and the User Agency shall provide foels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;	An Undertaking in this regard is attached Annexare-44
23	The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by crecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance	Chandragupt OCP Undertakes that the boundary of the diverted fores land, mining lease and safety zone, as applicable, shall be demarcated or ground at the project cost, by crecting four feet high reinforced cemen concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates;
24	from pillar to pillar and GPS coordinates: The layout plan of the mining plan/ proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal;	Agreed An Undertaking in this regard is attached Annexure-46
25	The forest land proposed to be diverted shall under no circumstances be	Agreed An Undertaking in this regard is attached as Annexure-47
26	No damage to the flors and fauna of the adjoining area shall be caused;	Agreed An Undertaking in this regard is attached as Annexure-48
27	The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to	Agreed An Undertaking in this regard is attached asAnnexure-49

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Divisional Forest Officer West Division, Hazaribag

	this project, if any, for the time being in force, as applicable to the project;	
28	The User Agency shall submit the annual self - compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly;	
29	Any other condition that the Ministry of Environment, Porests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of fcrests & wildlife shall be carried with by the State Government and user agency;	An Undertaking in this regard is attached Annexure-51
30	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019.	

You are requested to kindly consider the compliance and forward the proposal.

Thanking you

Yours Faithfully Project Officer Chandragupt OCP

PECCL CHANGRAGUPT OPEN CAST PROJECT ABRAPALI-CHANDRAGUPT AREA, CCI

MAUN PRAKASH LF.S. Divisional Forest Officer West Division, Hezaribag

	List of Annexures
Annexures	Description
Annexure-1	Undertaking for Condition-1(Legal status of the Forest Land shall remain unchanged)
Annexure-2	Corresponding letters to concerned DFO(Hazaribagh&Chatra) reg.Justification for recommending the FC proposal as considering DDFL for CA purpose aling with Tatest guidelines issued by MoEF&CC on dt 17.12.2024
Annexure-3	Site Inspection Report by IRO, MoEF&CC, Ranchi dated 08.02.2024
Annexure-4	Demand Note Ltr 61 dated 04.01.2025&Ltr 81 dated 15.01.2025 from DFO Chatra (South) and Demand Note Ltr 216 dated 10.01.2025 from Hazaribagh (West) regarding CA Land
Annexure-5	Payment details of CA Land of Chandragupt OCP.
Annexure-6	Undertaking for condition-2(iii)(reg. to pay the deficit amount, if any, in respect of Compensatory Afforestation from the money already realized by State Forest Dept.)
Annexure-7	Demand Note Ltr 1129dated31.05.2024 from Chatra (South and Demand Note Ltr 3331 dated 04.06.2024 from Hazaribagh (West) regarding NPV
Annexure-8	Payment details of NPV of Chandragupt OCP
Annexure-9	Undertaking for Condition-3(ii) (the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India).
Annexure-10	Demand Note Ltr 2118 dated 25.10.2024 from DFO Chatra South regarding SSWLCP
Annexure-11	Remeast details of SSWICP of Chandragupt OCP
Annexure-12	Undertaking for Condition-4 (Site-Specific Wildlife Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency)
Annexure-13	Approval copy of CAT Plan
Annexure-14	Demand Note Ltr 2343 dated 29.11.2024 from DFO Chatra South&Demand Ltr 5987 dated 13.12.2024 from DFO Hazaribagh West regarding CAT
Annexure-15	Payment details of CAT Plan of Chandragupt OCP.
Annexure-16	Copy of Top Soil Management Plan
Annexure-17	Undertaking condition -6(Top Soil Management Plan as recommended by the State shall be prepared
Annexure-18	Undertaking condition-7(No mining shall be carried within 60 mtrs from the HFL of the Barki River, and green belts as per norms shall be maintained around the other water hodies)
Annexure-19	Copy of the request letter to Chief Engineer,WRD,Hazaribagh.
Annexure-20	Undertaking for condition: 8 regarding that the diversion will be carried after
Annexure-21	Undertaking for condition:9(reg.to prepare a human-elephant conflict mitigation plan which will be funded by the User Agency and will take necessary measure to mitigate drivers of negative human-elephant conflicts and paying timely compensations and ex-gratia;
Annexure-22	Copy of AdHoc CAMPA Levies Format
Annexure-23	Undertaking condition no:12
Annexure-24	Copy of the Report of Top Soil Management.
Annexure-24(i)	Undertaking condition no:12 (i)
Annexure-24(i)	Undertaking condition no:12(i)
Annexure (ii)	Undertaking condition no:12 (iii)

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Annexure 4(iv)	Undertaking condition no: 12(iv)
Annexure 4(v)	Undertaking condition no:12(v)
Annexure 25	Demand Note Ltr 2117 dated 25:10:2024 from DFO Chatra South for SMC
Annexure-26	a former details of controls
Annexure-27	Undertaking regarding that the plan for plantation and SMC activities will be prepared
Annexure-28	Undertaking for condition-13(i)(reg.demarcation of safety zone, its lencing,
Annexure-29	It dentables for condition 13(ii)(reg fencing of safety zone boundary)
Annexure-30	the loss for condition 13/initing safety zone shall be maintained as green being
Annexure-31	Undertaking for condition-13(iv)(reg. maintaining of Salety zone as per presented norms)
Annexure-32	Copy of the approved R&R Policy of CIL
Annexure-33	Undertaking condition: 14(reg. The R&R Plan will be monitored by the State Government/Regional Office of MoEF&CC
Annexure-34	Convert appropriat of De silitation Plan
Annexure-35	Demand Note Ltr 2345 dated 29.11.2024 from DFO Chatra South & Demand Ltr 5989 dated 13.12.2024 from DFO Hazaribagh West regarding De-Siltation Plan
Annexure-36	C C Present details of receipts for De Stillation.
Annexure-37	Undertaking of condition: 15(reg. desilting of these village tanks and other water boules so
Annexure-38	Undertaking for Condition:16(reg.to explore the possibility of translocation of
Annexure-39	Undertaking for Condition: 17 (reg. the cost of felling of trees shall be deposited by the
Annexure-40	Undertaking for condition: 18(reg. Mining in a phased manner after taking due care to
Annexure-41	Undertaking for Condition: 19(reg.Re-grassing the mining are and any other areas
Annexure-42	the destabling for condition 20 reg period of diversion of forest land
Annexure-43	A FRANCE AND A CLASSEGRA IN LYSANTIAPUDE OUT GALOU OF A HAVE
Annexure-44	Undertaking for condition-22(reg. No labour camp shall be established on the lorest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the
Annexure-45	Undertaking for condition-23(reg. The boundary of the diverted forest tand, mining rease
Annexure-46	Undertaking for condition-24(reg. layout plan of the Central Government)
Annexure-47	Undertaking for condition-25(reg. diverted forest land shall not be transferred to
Annexure-48	to the state and ition Offree Protection of Flora and Fauna)
Annexure-49	Undertaking for Condition-27(reg. Compliance to provision of all Acts, Kines,
Annexure-50	The Develition Officer Annual Self-Compliance Reports
Annexure-51	Undertaking for Condition-29(reg. Conservation, Protection and Development of
Annexure-52	Undertaking for Condition-30(reg. Violations of Forest(Conservation)Act, 1980.

MAUN PRAKASH Divisional Forest Officer West Division, Hazaribag

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Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-1

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District & Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-1

Chandragupt OCP undertake that "The legal status of forest land shall remain unchanged.".

Project Officer Chandragupt Oppgacents Project CHANDROOFT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCI

MAUNPRAN Divisional Forest Officer West Division, Hazaribag

1/20486/2024 ADDEXUR-2

Government of India Ministry of Environment, Forest and Climate Change (Forest Conservation Division)

Indira Paryavaran Bhawan, Aliganj, Jor Bagh Road, New Delhi: 110003 Dated: December, 2024

To

The Addl, Chief Secretaries of Forests/Principal Secretary (Forests), All States Governments and Union territory Administrations

Sub: Streamlining of the approval process with regards to compensatory afforestation as envisaged in the Van (Sanrakshan Evam Samvardhan) Rules, 2023 as amended on 20.09.2024 - reg.

Madam/Sir.

I am directed to refer to the above subject and to inform that based on the references received from the Ministry of Mines, and Ministry of Coal, the provisions related to raising of compensatory afforestation, as envisaged in the Van (Sanrakshan Evam Samvardhan) Rules, 2023 as amended on 20.09.2024, have been reviewed by the Ministry and after due deliberations, the Central Government, in accordance with the provisions of section 3C of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 hereby issues the following clarifications:

- i. Provisions of Rule 14(1) of the Van (Sanrakshan Evam Samvardhan) Rules, 2023, provides that the non-forest land identified for raising Compensatory Afforestation (CA) is to be notified as Protected Forests before final approval (Stage-II) approval is granted by the Central Government. However, in cases where non-forest land identified for CA has been transferred and mutated in favour of the State Forest Department (SFD), the Central Government may accord final approval keeping in view the fact that provisions of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 become applicable on such lands being entered as forest in government record/record of rights.
- ii. In such cases, referred in para (i) above, the non-forest land forest land proposed for CA, shall be notified as Protected Forest under section 29 of the Indian Forest Act, 1927 of local forest Act before handing over of forest land to the User Agency by the State Government. The Nodal Officer, after notification of such non-forest lands, shall upload a copy of said notification on the PARIVESH portal.
- iii. For the purpose of rule 13(4)(a) of the States or Union territory Administrations, having forest area more than 33% of their total geographical area, concerned State Government/UT Administrationmay authorise a suitable officer to issue certificate of non-availability of the suitable non-forest land for raising CA.
- iv. As per the provisions of the Van (Sanrakshan Evam Samvardhan) Amendment Rules, 2024, projects of Central Government entities/CPSU and captive coal blocks of the State PSUs are eligible for raising CA over RAKAS degraded forest land which will be double in extent of the forest land being RAKAS non-forest land as CA unless in cases wherein the Central Government Hazaribat West Division, Hazaribag

ROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALICHARDRAGUPT AREA. CCL

Agencies/CPSUs or State Government PSUs with captive coal blocks are forthcoming to provide non-forest land available with them as CA or the State Government/UT Administration is willing to provides non-forest land on such terms and condition which is agreed by the Central Government Agencies/CPSUs or State Government PSUs in case of captive coal blocks.

With regards to the applicability of the provisions of the Van (Sanrakshan W., Evam Samvardhan) Amendment Rules, 2024 in respect of proposals of the Central Agencies/PSUs and captive coal blocks of the State PSUs which were granted 'in-principle' approval stipulating CA over non-forest land, the following clarification is given in this regard:

- a. Proposals, which were submitted by the States/UTs before notification of Van (Sanrakshan Evam Samvardhan) Amendment Rules, 2024, along with the proposal of raising CA over degraded forest land (DFL) and were granted 'in-principle' approval stipulating CA over non-forest land (NFL), shall be allowed to submit compliance of "in-principle" approval along with CA proposal over DFL in lieu of NFL. The Central Government will consider and grant final approval in such cases stipulating CA over DFL.
- b. Proposals, which were submitted by the States/UTs along with CA proposal over non-forest land and were granted 'in-principle' approval stipulating CA over non-forest land (NFL), can also be allowed to submit compliance of 'in-principle' approval along with CA proposal over DFL provided the non-forest land proposed for CA is not transferred and mutated in favour of the State Forest Department. In such cases, the Central Government or its Regional Office, based on the request of the State/UT Government or user agency, shall amend the condition of in-principle approval to raise CA over DFL on a case to case basis and subsequently the User Agency shall submit the compliance of in-principle for the obtaining the 'final' approval.

In view of the above, the State Government and Union territory Administrations are requested to take into consideration the guidelines mentioned hereinabove while considering the proposals submitted under section 2 of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980.

This issues with the approval of the competent authority.

Yours faithfully.

Signed by

Charan Jeet Singh Date: 17-12-2024 13:56:41

(Charan Jeet Singh) Scientist 'E

Copy to:

- Orrector, PMO, South Block, New Delhi
 Secretary, Ministry of Mines /Coal /Steel/ Power/ Railways/ MoRT&H/ Defence/MHA
 Secretary, Ministry of Defence, Government of India
 Principal Chief Conservator of Forests & HoFF, All States Governments and Forest Official Union territory Administrations
 Dy Director General of Forests (Control) All Defence of India
- 5. Dy Director General of Forests (Central) All Regional Offices of Otheron, Mazaribas MoEF&CC

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- Nodal Officers, dealing with the matters related to the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980, All States Governments and Union territory Administrations
- 7. Head, NIC, MoEFCC for aligning the PARIVESH 2.0 as per above

CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

MAUN PRAKASH Divisional Forest Office West Division, Hararis

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Office of the Divisional Forest Officer, Hazaribag West Forest Division, Van Bhawan, Hazaribag

2 06546-222339, Email- dfo.hazaribaghwest@brediffnuil.com & dfo-

To,

Letter No.: 216

Date: 10/01/25

Project Officer, Chandragupt OCP, Amrapali- Chandragupt Area, VTC Bhawan, Honbe, Tandwa, Chatra.

Subject:-

Ref:-

Demand letter for depositing levy for CA against 488.06 forest land for Chandragupt Open Cast Mining project in favour of M/s Central Coalfield Limited(CCL).

Office order visur-or/whom-30/2320-21 fdviai 08.02.2024 of Additional Principal Chief Conservator of Forest Development, Jharkhand, Ranchi, and Letter no. -08 dated -02.01.2025 of PCCF-Cum-ED, Nodal, Jharkhand, Ranchi, and Your letter no.- GM(AC)/PO(Chandragupt)24-25/292 dated 18.12.2024.

With reference to the above letter and as per Intest guidelines (letter no-FC-11/158/2024-FC dated-17-12-2024) of MoEF&CC,GOL Para 5(i) of the said letter states that "Proposals, which were submitted by the States/UTs before natification of Van (Sanrakskan Evam Sanwardhan) Amandment Rules, 2024, along with the proposal of raising CA over degraded forest land (DFL) and were granted 'in-principle' approval stipulating CA over uon-forest land (NFL), shall be allowed to submit compliance of 'in-principle' approval along with CA proposal over DFL in lieu of NFL. The Central Government will consider and grant final approval in such cases stipulating CA over DFL".

In compliance of the above-mentioned condition of stage-I approval and latest guideline of MoEF&CC,GOI a demand note for CA proposed for diversion of forest land 488.06 ha in Hazaribagh West Division of Rs.54,51,52,566.00(Fifty four Crore Fifty one Lae Fifty two Thousand Five Hundred and Sixty six only) is being raised.

Therefore it is requested to deposit the above mentioned amount i.e. Rs.54,51,52,566.00(Fifty four Crore Fifty one Lac Fifty two Thousand Five Hundred and Sixty six only) for Hazaribagh West Forest Division in CAMPA Account. The amount should be deposited to CAMPA Fund only through e-portal (<u>https://parivesh.nic.in</u>) and copy of challan/receipt shall be sent to this office for records.

Sent for necessary action.

Divisonal Forest Officer Hazaribagh West Forest Division

Your faithfully

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRADALICHANDRAGUPT AREA, CCT

Leiter in Letter to Ugers Agency (Chambragopta open cost project_CCL 699.38 ha.).doc)

Divisional Forest Offic West Division, Hazarib

Sanjeev Kumar	Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal From : monitoring-fc@nic.in Wed, Jan 22, 2025 D4:08 PM Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	that demand details submitted by User 1 by Nodal Officer and found to be correct. n below. : FP/JH/MIN/140599/2021 : CHANDRAGUPT OCP : CHANDRAGUPT OCP : Mining le : 09/04/2021 le : 09/04/2021 cant with Contact Details : S987784169 po.chandragupta@coalindl : a.in : Jharkhand
6	From : monitoring-fc@nic.in From : monitoring-fc@nic.in Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below. Propsal Detail 1. Proposal Name : FP/JH/MIN/140599/2021 2. Proposal Name : CHANDRAGUPT OCP 3. Category of the : Mining Proposal 4. Date of In-principle : 09/04/2021 5. Name of the Applicant with Contact Details Mobile No. : S105/04/2021 5. Name of the Applicant with Contact Details 1. Email ID 5. Mame 5. Name 5. Mame 5. Mam 5. Mame 5. Mame 5. Mame 5. Mame 5. Mame 5. Ma
Email	Email Alert From System Admini From : monitoring-fc@nic.in Subject : Email Alert From System Proposal(OSMFCP) portal To : po chandragupta <po.cha Cc : monitoring-fc@nic.in</po.cha 	Internal Forest Chinese West Division, Hazaribag

generating challan through the system. User Agency is requested to make above mentioned payment after Funds Demand Details **Total Amount** 11. Other Charges3 9. Other Charges1 8. DE-SILTATION protected area 6. Additional Charges for 5. Safety Zone 10. Other Charges2 Afforestation 2. Additional Compensatory 7. Net Present Value (NPV) 3. Penal Compensatory Afforestation 1. Compensatory Afforestation Catchment Area Treatment Pincode : Rs. 0/-: Rs. 0/-: Rs. 0/-: Rs.0/-: Rs.0/-: Rs. 2194290381/-: Rs.0/-: Rs. 480592000/-: Rs. 0/-: Rs. 1643619381/-: Rs. 0/-: Rs. 70079000/-: 825321 (System Administrator)

*** This is a system generated email, please do not reply. ***





Date-27-01-2025

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	21942903 81.00	15072581405 99331	UBIN099 6335	ICICR4202501270 0001515	27- 01- 202 5

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guarantor or otherwise.

This certificate is issued at the specific request of the said customer.

Regards Autrorised Sid

ICICI Bank-Ltd Ratu Road Ranchi -834001

T GREAT THORES STRATE CONTRACTOR STATES

MAUN PE Divisional Forest Officer West Division, Hazaribag

ICICI Bank Limited Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi-834001, Jharichand, India

Website www.icicibank.com CIN.: L65190GJ1994PLC021012

Regd. Office : ICICI Back Tower, Near Chakli Circle, Old Padra Road, Vadodara 390 007, India.

Annexure 22

PROFORMA FOR VERIFICATION OF DEPOSITS IN COMPENSATORY AFFORESTATION FUND/SUMMARY OF PAYMENT

+

NS	Column 1	Column 2
L	Name of Regional Office	Integrated Regional office Ranchi
2	State/District/Forest Division to which the proposal relates	Jharkhand/Chatna&Hazaribagh/Chatra South & Hazaribagh West
m	Name of User Agency, Name of Proposal	Central coalifields limited, Chandragupt Opencast Mining Project
4	Nature of Category of Proposal	Mining
	Proposal No.	FP/JH/MIN/140599/2021
0	Extent of Forest Area involved	699.38 Ha
5	Whother original or extension	Original (land acquired under CBA Act)
	If the extension of lease, please clarify if proposal involves additional forest area and if so specify	NA
0	Dated of 1st Stage clearance	File No. 8-24 /2023-FC dated 27.05.2024
10	Extent of CAMPA Charges, head wise viz.	
	a) Compensatory afforestation	Rs 164,36,19,381.00
	b) Additional compensatory afforestation	NA NA
Г	c) Penál compensatiory afforestation	NA
	d) Catchtheat area treatment	Rs 19,47,00,340.00
E	e) De-Siltation Plan	Rs 7,00,79,000.00
	f) Additional charges for diversion of area falling under notified/protected area	NH
	g) Net present value	Rs. 85,92,51,274,40
	 any other charges/levies (please specify) Safety Zone+ Forest Produce + Cess + Tax- Penal NPV 	MA
	L Penal NPV	NA
Ľ	ii. Soil and Moisture Contervation Plan (SMC) (@ 0.5% of Project Cost)	Rs 4,86,75,085.00
T	iii. Wildlife management plan (WLCP)@2% of Project Cost)	Rs 48,05,92,000.00
	T(t) =	Rs 329,69,17,080,40
=	If the payment made through challan or otherwise in case of online pryment, details of challan	Attachod
	Sion of DFO (Parent South) Sion of DFO (Hazafihaeh Weth	Sier. of Nodal Officer
	frances minimum to ten securities	1
(MC)	NORMOLE OFFICE AND A CONTRACT OF	

CHANDRAGUPT OPEN CAST PROJETT

Divisional Forest Officer West Division, Hazaribag

St. Type of Deposit No (NPV/CA/WM P/Others) Specify	NPV	2 WLCP	3 SMC	4 CA	5 CAT	6 De-Siltation	Sign of Used Agency	CHANDONOLET OFEN CAST FRAME-
wM wM pecify						ton		+23(3)
Whether (RTGS/DD //NEFT (Specify)	RTOS	RTGS	RTOS	RTOS	VRTGS	RTGS.	Sign.	
UTR/DD No.	ICICR4202412110000899	ICICR4262412110000899	ICICR4262412110000899	ICIC842025012700001515	ICICR42025012700901515	ICICR42025012700001515	Sign of DFO (Chatra South)	
Amount Deposit (Rs.)	85.92.51,274 00	19,47,00,340,00	4,86,75,685.00	164,36,92,381,00	00.000292089	7,00,79,000,00	SignofDF	NUAM
Deposit	11.12.2024	11.12.2024	11.12.2024	27,01,2025	27.01.2025	27.01.202	Classical O	MAUN PRAKADI
Name of Bank from which amount transferred to account of CAF	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ranu Road Ranchi	ICICI Bank Ratu Road Ranchi	ICICI Bank Ratu Road Ranchi	(EA)	1.5.1
Bank Account of CAP managed by CAMPA in which fund deposited.	CAF Account /harchard (A/C No1507258140599645) Union Bank of India Branch Jelitta Towers, Mission Road, Bengalura- 560027	CAF Account Barkhard (A/C No1507258140599645) Union Bark of India Branch Jolina Towers, Mission Road, Bengularr- 560027	CAF Account Flacthard (A/C No1307258140596645) Union Bank of India Brace Aclina Towers, Mission Road, Bergahru-	CAF Account Tharkheid (A/C No1 5072581405196645) Umion Bank of Iodia Bunes Jahim Tower, Missien Road, Bergalueu- S60027	CAF Account Jharkhand (N/C No1507258140599645) Union Bank of India Branch Jelitta Towers, Missien Road, Bergalura- 560027	CAP Account Fundfland (A/C Nu1207258140199645) Union Bank of Indja Bonch Jelitra Tevarrs, Mission Rand, Bergahru- 560027	Sign.of.Nodal Officer	

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D IN AD-HOC- a).	Challan Application No	58140599645	38140599645	58140599645	58140599331	58140599331	58140599331	58140599331		Sign.of.Nodal Officer	
TANCE OF FUN upt OCP-699.38 H	Payment Made to CAMPA Account Total	85,92,51,274.00	19,47,00,340.00	4,86,75,085.00	136,62,20,481.00	27,73,98,900.00	48,05,92,000.00	7,00,79,000.00	329,69,17,080.00	Hazaribagh West)	MAUN PRAKASH LFS. Divisional Forest Officer
OF THE PERFORMA FOR REMITTANCE OF FUND I CAMPA LEVIES FORM (Chandragupt OCP-699.38 Ha).	Hazaribagh Forest West Division Demand Raised	36,66,35,828.00	NA	NA	\$4,51,52,566.00	NA	10,98,66,000.00	4,34,41,000.00	106,50,95,394.00 329,69,17,080.00	Sign.of DFO (Hazaribagh West)	MAUN P Divisional F
SUMMARY OF THE PERFORMA FOR REMITTANCE OF FUND IN AD-HOC- CAMPA LEVIES FORM (Chandragupt OCP-699.38 Ha).	Chatra South Forest Division demand Raised	49,26,15,446.40	19,47,00,340.00	4,86,75,085.00	82,10,67,915.00	27,73,98,900.00	37,07,26,000.00	2, 66, 38, 000.00	223,18,21,686.40	Sign of DFO (Chatra South)	
SUMMARY	Name of Particulars	NPV	WLCP	SMC	CA		CAT	De- Siltation	TOTAL DEMAND AMOUNT	cy Signaf D	MARCI DA. COL
	Conditi on No	m	4&9	12	13		s	15		Signof User Agen	FRUNCT CHARGE CH
	SL	-	1	5	*		10	9	-	Signo	THE PARTY

Divisional Format Office West Division, Reams

Signof Nodal Officer

Sign of User Alishey

Sign.of DFO (Chatra South)

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SI No Particular		NdN	2 WLCP	3 SMC			-	0		5 CAT		6 Silution	
cution			A.					CA				NO.	Γ
Demand Baised vide	DFO, Charta (South) vide Ltr.No.1129 Ded 31.05.2024	DFO, Hazaribugh (West) vide Ltr.No.3331 Did.04.06.2024.	DFO Chatta (South) vide Ltr.No.2118 Ded 25,10.2024	DFO Chana (South) vide Lir:No.2117 Did 25.10.2024	TOTAL	DFO,(Chatra south) vide letter No:61 dated 07.01.2025	DFO (Hazaribagh West)vide letter no.216 dated 10.01.2025	DFO, Chatra South Forest Division vide letter no. 31 dated 15.01 2025	DFO Chatra (South) vide Lir No:2343 dated 29.11.2024	DFO Hazaribagh (West) vide Lir No:5987 dated13.12.2024	DFO Chairs (South) vide the Lir-No.2345 Did 29.11.2024	DFO Hazzribugh (West) vide their Ltr.No.5989 Did 13.12.2024	TOTAL
Amount Paid (RS)	49,26,15,446.40	36,66,35,828.00	19,47,00,340.00	4,86,75,085,00	1102626699.00	82,10,67,915.00	\$4,51,52,566.00	27,72,98,900.00	37,07,26,000,00	10.98,66,000.00	2,56,38,000.00	4,34,41,000,00	219,42,90,381,00
UTR No	ICICR42024121100000899	ICICR42024121100000899	ICICR42024121100001899	ICICR42024121100000899	ICICR42024121100000899	ICICR42025012700001515	ICICR42025012700001515	ICICR42025012700001515	ICICR42025012700001515	ICICR42025012700001515	ICICR4202501270001515	ICICR42025012700001515	ICICI842025012700001515
Date	11.12.2024	11.12.2024	11,12,2024	11.12.2024	11,12,2024	27.01.2025	27.01.2025	27.01.2025	27.01.2025	27.01.2025	27.01.2025	27.01.2025	27.01.2025



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-6

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District & Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-2(iii)

Chandragupt OCP undertake that ". To pay the deficit amount, if any, in respect of Compensatory Afforestation from the money already realized by State Forest Dept.).".

Project Officer Chandragupt Open Cast Project CHARORAG CCT EN CAST PROJECT AMIRAPALI CHARORAGUPT AREA, CCL





कार्यालय – वन प्रमंडल पदाधि हजारीबांग पश्चिमी वन प्रमंडल, वन भवन, हजारीबांग

06546-222339, Email- dfo.hazarlbaghwest@rediffmal.com & dfo-hazarlbaghwest@gov.in

खेवा भे

पत्रांक : 3331

0416124 दिनांक:

परियोजना पदाश्चिकारी, सीठसीठएल०, अग्रंपाली-चन्द्रगुप्त एरिया, आकाशनीय , मेन चेड, उकरा, जिला- रॉथी, (झारखण्ड), 829201

विषय:---

In- principal (Stage-I) approval of (Central Government under Forest (Conservation) Act 1980 for diversion of 699.34 ha. (400.96 ha. in Chatra South Forest Division and 298,42 ha. in Hazaribag West Forest Division) of forest land for Chandragupt Open Cast Coal mining project in favour of M/s CCL in Jharkhand- reg.

परताच :--

भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली को पत्रांक का पत्रांक 8-24/2023 FC dt 27.05.2024 एवं आपका पत्रांक 288 दिगांक 29.05.2024 (

मंसाराय,

उपर्युवल विषयक प्रसंगाधीन पत्र के संदर्भ में सुचित करना है कि धन्द्रमुफ खुली खदान कोल परियोताना निर्माण हेतु कुल रकवा 699.34 हें। वन भूमि अपयोजन में हजारीयांग परिचमी वन प्रमण्डल अन्तर्गत 298.42 हें। वनमूमि प्रस्ताग में भारत सरकार, गर्यावरण, बन एवं जलवायु परिवर्त्तन मंत्रालय, नई दिल्ली के पत्रांक 8-24/2023 FC dt. 27.05.2024 द्वारा 30 शर्तों के साथ रहेज—1 की सैद्वांतिक स्वीकृति प्रदान की गई है, जिसमें शर्त संख्या 3() में एन0पी0भी0 राशि 36,65,35,828.00 (छतीस करोड छियासठ लाख पैतीस हजार आठ सौ अठाईस छा) भुगतेय राशि e-Portal (hattps://parivesh.nic.ln/) के माध्यम से कैम्पा के खाता में जमा करते हुए सभी शर्तों का कडिकावार अनुपालन प्रतिवेदन समर्पित करने का कष्ट करें।

अनुत-यथोक्त। मांग पत्र संलग्न।

MAUN PRAKAS

Divisional Fatral West Divi

आपका विश्वासी,

-17-

वन प्रमंडल पदाधिकारी इजारीबाग पश्चिमी प्रमंडल 391

PROJECT OFFICER Letter to Letter to Ugers Agency (Chandrappene and Parent CL 699.38 ha.).doc} ST PHOJECT AMRAPALI-CHANDRAGUPT AREA, CCI.

मांग पत्र

भारत सरकार द्वारा सैदान्तिक सहमति प्रसंग– 8-24/2023 FC dt. 27.05.2024 द्वारा सीठसीठएल0 चन्द्रगुप्त खुली खदान कोल धरियोजना 208.42 हेंव भूमि का अपयोजन का प्रस्ताय पर भारत सरकार द्वारा सकर्त सैदान्तिक सहमति में निष्ठित शर्तों के आलोक में मांग पत्र.–

इको क्लास :-- III

मद	रकवा	वर (हे0)	राशि (फ0)
(1.) হল০ঘীতলীত	288,42 80	12,28,590.00	36,66,35,828.00 (छतीस करोड छियासठ लाख पैतीस राजार आठ सौ अठाईस रू०) मात्र ।
			36,66,35,828.00 (छतीस करोड छियासव लाख पैतीस हजार आठ सौ अवाईस रू0) मात्र।

यदि माँग पत्र में संशोधन होता है तो संशोधित राशि विभाग के पक्ष में देय होगा।

DAN वन प्रमंडल पक्ष विकिशि हजारीबाग परिचमी प्रमंडल JOAOL

MAUN PRA

Divisional Forest Officer West Division, Hazaribao

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPHILISHIN BEAGING CL 699.38 hn.).doc)

- 18 - :

Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portai

From a monitoring-toginic.in

Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances

To a po chandrogupta <po.chandrogupta@coalkida.in>

Cc : monitoring-fc@nlc.in

This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below,

Propsal Detail

1. Proposal No.	: FP/JH/MIN/140539/2021
2. Proposal Name	I CHANDRAGUPT OCP
3. Category of the	
Proposal	: Mining
S Determine the	

4. Date of In-principle : 09/04/2021

5. Name of the Applicant with Contact Details

Nome Mobile No.	: CHANDRAGUPT OCP 3 8987784169
Email ID	pouchandragupta@coalindi
State	= Jharkhend
District	: Chetra
Pincode	: 825321

Funds Demand Details

1. Compensatory Afforestation	t Rs. O/-
2. Additional Compensatory Afforestation	: Rs. 0/-
3. Penal Compensatory Afforestation	: Rs. 0/-
4. Catchment Area Treatment 5. Safety Zone	: Rs. 0/- : Rs. 0/-
6. Additional Charges for protected area	: Rp. 0/-
7. Net Present Value (NPV) 8. Wildlife Conservation Plan 9. Soli 8. Moletano 0	: Rs. 859251274/- : Rs. 194700340/-
9. Soli & Moisture Conservation Plan	: Rs. 48675085/-
10. Other Charges1 11. Other Charges2	: Rs.0/~ : Rs.0/~
Total Amount	: Rs. 1102626699/-

User Agency is requested to make above mentioned payment after generating challan through the system.

(System Admin strator)



*** This is a system generated email, please do not reply, ***

CHURCHARDER OPEN CAST PRODUCT ANRAPALI CHINGRACUPI ANDA, CO.

Mon, Nov 04, 2024 04:48 1

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Shnexure



Date-11-12-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	11026266 99.00	15072581405 99645	UBIN099 6335	ICICR4202412110 0000899	11- 12- 202 4

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guarantor or otherwise.

This certificate is issued at the specific request of the said customer.

Regards Autrorised Side

ICICI Bank-Ltd

Ratu Road Ranchi -834001

MAUN PRAKAS Divisional Forest Office West Division, Hazanibed

PROJECTOFFICER CHANDRAQUET OPEN CAST PROJECT ANTRAPALI-CHANORAGUPT AREA. C.L.

ICICI Bank Limited Tower, Modi Heights, Shop # 05 & 05 Opp. Ali India Radio Station, Ranchi- 834001, Jharkhand, India

Website www.lcicibank.com CIN.: L65190GJ1994PLC021012 Regd. Office : ICICI Bank

Near Chakli Circle, Old Padra Road, Vadodara 390 007, India.



Annexure-9

Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-3(ii)

Chandragupt OCP undertake that "The additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India."

Project Officer Chandragupt Open Cast Project



Innexu



Office of the Divisional Forest Officer, Chatra South Forest Division, Chatra. Van Bhavan Chatra E-mail :dfo-chatrasouth@gov.in Phone : 8987790213



E-mail :dfo-chatrasouth@gov.in Phone : 8987790213 Letter No. 2118 Dated 25 10 2024

To

The Project Officer, Chandragupt OCP. Amrapali-Chandragupt Area.

Subject:

t: Charging of an lump sum amount of the project cost towards the cost of implementation of the Wildlife Conservation Plan against 699.38 Ha of Forest Land in respect of Stage-I obtained for mining operations of Chandragupt OCP.

Ref:

Your Letter No. GM(A-C)/PO CHANDRAGUPT/FC/2024/271 dated 19.10.2024.

Sir,

Through above mentioned letter, a request has been made that, as per MoEF&CC,GoI Guideline dated 7th June, 2022, in cases where it is not possible for the state to submit the compliance due to delay in preparation and approval of such plan, a lump sum quantum of project cost may be realized from the User Agency and submitted along with the Stage-I compliance.

Accordingly, It has been requested to raise a demand of indicative amount equal to 2% of the project cost for implementation of Wildlife Conservation Plan as mandated under the principle approval of the project. The estimated cost of project has been mentioned to be 973.5017 Crore in part A-1(vii) of part-I.

Therefore, it is requested to deposit the indicative lump sum amount of Rs. 19,47,00,340.00 (2% of the Project Cost) in CAMPA Account for Wildlife Conservation Plan. The amount should be deposited to CAMPAfund only through e-portal (<u>https://parivesh.nic.in</u>) against 699.38Ha of Forest Land in favour of Chandragupt OCP along with an undertaking for depositing additional amount, if so determined, as per final approval of the Wildlife Conservation Plan.

Sent for further necessary action.

ours faithfully

CHANGRAGUPT OPEN CAST PROJECT Divisional Forest Officer AMPAPALACHANDRAGUPT ARC Chantra South Forest Division, Chatra.

Divisional Forest Office West Division, Hazariba Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal (OSMFCP) portal

From : monitoring-fo@nic.in

ton, Nov 04, 2024 04:48 /

Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances

To t po chondregupta po.chandragupte@coalindla.in>

Cc : monitoring-fo@nic.in

This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.

Propsal Detail

1. Proposal No.	: FP/JH/MIN/140539/2021
2. Proposal Name	: CHANDRAGJPT OCP
3. Category of the	
Proposal	: Mining
4. Date of In principle	(And the second se

4. Date of In-principle 1 09/04/2021

5. Name of the Applicant with Contact Details

Name	: CHANDRAGUPT OCP
Mobile No.	18987784169
Email ID	polichandragupta@coalindi
State	: Jharkhand
District	: Chatra
Pincode	
	: 825321

Funds Demand Details

1. Compensatory Afforestation	: Rs. 0/-
2. Additional Compensatory Afforestation	1 Ros. 0/-
3. Penal Compensatory Afforestation	; Rs. 0/-
4. Catchment Area Treatment	1 Rs. 0/4
5. Safety Zone	: Rs. 0/-
6. Additional Charges for protected area	: Rs. D/-
7. Net Present Value (NPV)	: Rs. 859251274/-
8. Wildlife Conservation Plan	: Rs. 194700340/-
9. Soil & Moisture Conservation Plan	: Rs. 48675085/-
10. Other Charges1	: Rs.0/-
11. Other Charges2	: Rs.0/-
Total Amount	: Rs. 1102525699/-

User Agency is requested to make above mentioned payment after generating chailan through the system.

(System Admin strator)

*** This is a system generated email, plaase do not reply, ***

PROJECT OF CHANDER OF OPEN CAST PROJECT LEDNI CHURTER PT ARCA, CO





Date-11-12-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	11026266 99.00	15072581405 99645	UBIN099 6335	ICICR4202412110 0000899	11- 12- 202 4

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guaranter or otherwise.

This certificate is issued at the specific request of the said customer.

Regards Autrorised Sig

ICICI Bank-Ltd Ratu Road Ranchi -834001

The Same of Party of CHAN

RATEUNT AREA, GUA

MAUN PRAK Divisional Forest Officer

West Division, Hazari

ICICI Bank Limited Tower, Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi- 834001, Jharkhand, India

Website www.icicibank.com CIN.: L65190GJ1994PLC021012 Regd. Office : ICICI Bank

Near Chakli Circle, Old Padra Road, Vadodara 390 007, India.



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-12

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-4

Chandragupt OCP undertake that "A Site-Specific Wildlife Conservation plan duly approved by CWLW shall be prepared and same shall be implemented at the cost of user agency"

Divisional Forent Officer West Division, Hazaritiag

Project Officer Chandragupt Open Cast Project CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA CL

1 Name of Regional Office 2 State/District/Forest Division to which the proposal relates 3 Name of User Agency, Name of Proposal 4 Name of Category of Proposal 5 Proposal No. 6 Extent of Forest Area involved 7 Extent of Forest Area involved 8 If the extension 9 Dated of ist Stage clearance 10 Extent of CAMPA Charges, head wise viz. 9 Dated of ist Stage clearance 10 Extent of CAMPA Charges, head wise viz. 11 Extent of CAMPA Charges, head wise viz. 12 Dated of ist Stage clearance 13 Compensatory afforestation 10 Extent of CAMPA Charges, head wise viz. 11 Extent of CAMPA Charges, head wise viz. 12 Dated of ist Stage clearance 13 Compensatory afforestation 14 Dated of ist Stage clearance 15 Forent of CAMPA Charges, head wise viz. 16 Extent of CAMPA Charges, head wise viz. 16 Extent of Campensatory afforestation <t< th=""><th>Integrated Regional office Ranchi Iharkhand/Chatre&Hazaribagh/Chatra South & Hazaribagh West Central coeffields limited, Chandragupt</th></t<>	Integrated Regional office Ranchi Iharkhand/Chatre&Hazaribagh/Chatra South & Hazaribagh West Central coeffields limited, Chandragupt
State/District/Forest Division to which the proposa Name of User Agency, Name of Proposal Nature of Category of Proposal Proposal No. Extent of Forest Area involved Whether original or extension If the extension of lease, please clarify if proposal i Dated of 1st Stage clearance Extent of CAMPA Charges, head wise viz. Dated of 1st Stage clearance Extent of CAMPA Charges, head wise viz. Dated of 1st Stage clearance if the extension of lease, please clarify if proposal i Outed of 1st Stage clearance if the extension of lease, please clarify if proposal i Dated of 1st Stage clearance if the extension of lease, please clarify if proposal if the extension of lease, please clarify if proposal i of the extension of lease, please clarify if proposal if the extension of lease please clarify if proposal if the extension of the clarify if proposal if the extension of area failing u g) Net present value if an other charges for diversion of area failing u	Bharkhand/Chatre&Huzaribagh/Chatra South & Hazaribagh West Central coeffields limited, Chandragupt
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	Rs 164,36,19,381.00
	NA
	NA
	Rs 19,47,00,340.00
	Rs 7,00,79,060,00
	NE
	Rs. 85,92,51,274.40
	NA
i, Penal NPV	NA
ii. Soil and Moisture Corservation Plun (SMC) (@ 0.5% of Project Cost)	Rs 4,86,75,085.00
 Wildlife management plan (WLCP)@2% of Project Cost) 	Rs 48,05,92,000.00
Total =	Rs 329,69,17,080.40
11 If the payment made through challan or otherwise in case of online payment, details of challan	Attached
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Divisional Forest Officer West Division, Hazaribaci

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SL No	Conditi on No	Name of Particulars	Chatra South Forest Division demand Raised	Hazaribagh Forest West Division Demand Raised	Payment Made to CAMPA Account Total	Challan Application No
1	3	NPV	49,26,15,446.40	36,66,35,828.00	85,92,51,274.00	58140599645
~	4&9	WLCP	19,47,00,340.00	NA	19,47,00,340,00	58140599645
5	12	SMC	4,86,75,085.00	NA	4,86,75,085.00	58140599645
4	2	CA	82,10,67,915.00	54,51,52,566.00	136,62,20,481.00	58140599331
			27,73,98,900.00	VN	27,73,98,900.00	58140599331
s	\$	CAT	37,07,26,000.00	10,98,66,000.00	48,05,92,000.00	58140599331
9	15	Dc- Siltation	2, 66, 38, 000.00	4,34,41,000.000	7,00,79,000.00	15566509185
		TOTAL DEMAND AMOUNT	223,18,21,686.40	106,50,95,394.00 329,69,17,080.00	329,69,17,080.00	
Sience	Sign.of UserAgency		Sign.of DFO (Chatra South)	Sign of DFO (Hazaribagh West)	curbach West	Sign.of.Nodal Officer
PROJE CRANSUPT UPALINCHA	 PROJECT OFFICER CHANDRAUGHT OFFICER ANTERPALINCHANDRAUGUNT ANDER 	読品		MAUN PRANASH LF Divisional Ferest Officer West Division, Hazaribag	LF LF st Officer hazaribag	

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West Division, Hazaribag Divisional Forest Offician

MAUN PRAKASH

Sign of DEO (Hazaribagh Wost)

Sign.of DFO (Chatra South)

ALIGATION CONTRACTOR ALIGATION CHANDRAGUET OFFIC CALL

Sign of User Agency

Sign. of. Nochi Officer

11.12.2024 27.01.2025

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1102626699.00 82,10,67,915.00

DFO.(Chatra south) vide lettor

TOTAL

No:61 dated 07.01 2025

27.01.2025

ICICR4202501270001515

54,51,52,566.00

ICICR42025012700001515

27,73,93,990.00

Division vide letter no :81 dated

DFO, Chatra South Forest

S

otter no.216 dated 10.01.2025

DFO (Hazaribagh West)vide

27.01.2025

27.01.2025

ICICR42025012700001515

37,07,26,000.00

DPO Chatra (South) vide Lar

15.01,2025

Nor2343 dated 29.11.2024

27.01.2025

ICICR42025012700001515

10,98,66,000.00

DFO Hazaribagh (West) vide Ltr

No:5987 discel13.12.2024

CAT

10

27.01.2025

BCIC842025012700001515

2,66,38,000.00

27.01.2025

ICICR42025012700001515

4,34,41,000.00

DFO Hzzaribugh (West) vide

their Ltr.No.5989 Dtd. 13.12.2024

De-Siltation

0

Total Amount Paid

TOTAL

DFD Chatra (South) vide the Ltr No.2345 Did 29.11 2024

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219,42,90,381.00 ICICR42025012700001515

329.69,17,080.40

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19,47,00,340.00

ICICR4202412110000899

36,66,35,828.00

DFO. Hazaribagh (West) vide

Ltr.No.3331 Dtd.04.06.2024

Ltr.No.2118 Det.25.10.2024

DFO Chatra (South) vide

WLCP

e4

NPV

DFO,Chatra (South) vide Ltr.No.1129 Ded.31.05.2024

1112.2024

ICICR42024121100000899

4,86,75,085.00

DFO Chatra (South) vide Ltr.No.2117 Dtd.25.10.2024

SMC

1.12.2024

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09,26,15,446,40

UTRNO

Amount Paid (RS)

Demand Raised vide

Particulars

SI No

Date.

CUNDS.

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Divisional Forest Officer West Division, Hazaribug



28.11 200

Office of the Principal Chief Conservator of Forests

Van Bhawan, Doranda, Ranchi - 834 002 Email: pccf-lhk@gov.in, Phone No. 0651-2481909

Office order No. 172 dated 2-8 # 2024

Sanction Order of the Catchment Area Treatment Plan with reference to nonforestry use of 699.38 ha of forest land for Chandragupta Open Cast Mine in favour of M/s Central Coalfields Limited (CCL)

The instant Catchment Area treatment Plan (referred to as "the Plan" here in after) has been submitted by M/s. Central Coalfields Limited (CCL) (referred to as "the User Agency or M/s CCL ") in pursuance of the condition number- 5 laid by the MoEF&CC vide letter no. 8-24/2023-FC dated 27.05.2024 for the diversion of 699.34 ha (400.96 ha in Chatra South Forest Division and 298,42 ha in Hazaribagh West Forest Division) of forest land for Chandragupt Open Cast Coal mining project in favour of M/s Central Coalifield Limited (CCL).

Condition no. 5 of Stage-1 approval: "To mitigate the impact on water of Barki river and other rivuleis/nalas; a Catchment Area Treatment (CAT) Flan shall be prepared and implemented at the cost of the user agency".

In compliance of the aforesaid condition laid by MoEF&CC, the User Agency M/s 2 Central Coalfields Limited (CCL) submitted a site-specific Catchment Area Treatment (CAT) Plan for diversion of forest land proposal of Chandragupta Open Cast Mining Project prepared in consultation with the forest officials including DFO, Chatra South and Hazaribagh West Forest Division, the CFs and RCCF, Hazaribagh.

3. In the above stated background, the Regional Chief Conservator of Forests, Ranchi (RCCF, Hazaribagh) vide his letter no. 2014 dated 14.11 2024 submitted the Plan to the office of the undersigned for its consideration for sanction.

In order to examine the plan prescriptions a communication was issued to the Regional Chief Conservator of Forests, Ranchi, vide this office letter no. 2850 cond

> VEGT OPPICER CHURCHAGRIPT OPEN CAST PROJECT MURAPHLI-CHANGRAGUET AREA, CCA

18.11.2024 to arrange a presentation of the plan on 27.11.2024 in the conference hall of the undersigned. The presentation was made by the Project proponent in the presence of Regional Chief Conservator of Forests, Hazaribagh, CF, Chatra, CF, Hazaribagh, DFO. Chatra South and DFO, Hazaribagh West Forest Division. Project Officer, Chandragupta OCP, Nodal Officer CCL/SCOMPL, Shri Hemant Kumar, SIDHA, Dr. Manish Kumar, SIDHA, Ms. Diksha Lakra, SIDHA, Ms. Nikita, SIDHA were also present during the presentation.

5. After deliberation on various provisions of the proposed Plan and the presentation, it was observed that the impact area has been considered as the geographical area within 10 km radius around the proposed site of the mine's boundary to the limit of administrative jurisdiction of Chatra South Forest Division/Chatra district and Hazaribag West Forest. Division in Hazaribag District. The Geographical area of the Zol comes out to be 312.94 sq.km. A total of 136.96 sq.km (approx.) of Forest Land constitutes a part of the impact Area which is under exclusive management and control of the Forest Department. The Impact Area consists of altogether 93 villages. The proposed 93 villages also include the mining sites and hence the exclusive impact zones have only 84 villages.

6. The cost of the proposed 10-year Site-Specific Catchment Area Treatment (CAT) Plan with respect to the activities to be carried out by DFO, Chatra South and DFO, Hazaribsgh West Forest Division has been estimated to be Rs. 4805.93 lakh. The summary of the proposed interventions (component wise) under the Plan with the objective of conservation of forest resources as also to mitigate the impacts of mining on forests and wildlife is as follows:

SL No.	Activity Head	Chatra South Forest Division	Hazaribagh West Forest Division	Total
	and the second second	(Rs. in Lakh)	(Rs. in Lakh)	(Rs. in Lakh)
1.	Bio-engineering measures	118.00	59.83	175.83
2	Engineering measures	947,40	385.80	1333.20
3.	Water storage structures	85.00	0.00	85,00

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18.11.00

Summary of the Site-Specific Catchment Area Treatment (CAT) Plan for Chandragupta Open Cast Mine project

MAUN PRAKASH LF.S. Divisional Forest Officer West Division, Hazaribag

4.	Livelihood	570.00	210.00	780.00
5.	Monitoring & Study for implementation	165.00	15.00	180.00
6,	Energy saving intervention	600.00	74.50	674.50
7.	Capacity building cost for villagers and staff	384.34	100.00	484.34
-	Total	2851.74	845.13	3696.87
-	Administrative cost for implementation @10%	285.17	84,51	369.68
	Cost Escalation @ 20%	570.35	169.03	739.38
_	Grand Total	3707.26	1098.66	4805.92

10. The Ptan with a total financial outlay of Rs. 4805.92 lakh extends over a period of 10 years and shall be utilized by the Forest Department through the DFO, Chatra South and DFO, Hazaribagh West Forest Division in accordance with the Plan prescriptions.

11. Considering the proposals under the plan submitted by the User Agency and recommendation of the concerned forest officers, sanction is hereby accorded to the instant Plan subject to the following conditions:

- (i) That the User Agency shall ensure that its officials/contractors and the work force engaged into mining and allied operations under the Project shall not commit or abet any forest/wildlife offence in their area of operation. They will also promptly report any forest/wildlife offence in the area to the nearest forest officials. Further, they will extend their full cooperation to the forest officials in control/mitigation of any incident, natural or man -made, detrimental to forest and wildlife in their area of operation.
- (ii) That the total amount of Rs. Rs. 4805.92 takh (Rupees forty eight crore five takh and ninety two thousand only) shall be deposited by the User Agency into CAMPA account under the relevant head/sub-head and shall be utilized by the State Forest Department through the DFO, Chatra South State and DFO, Hazaribagh West Forest Division as delineated under the Plan.

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Divisional Forset Officer -West Division, Hazaribed

PROJECT OFFICER CHRONICAGUPT OPEN CAST PROJECT ANTINAPALI-CHANORAGUPT AREA. CCL
strictly in accordance with the prevailing norms under the Jharkhand Forest Department.

(III) That as regards the funds earmarked against activities to be undertaken by the State Forest Department, DFO, Chatra South and DFO, Hazaribagh West Forest Division shall prepare a detailed Annual Plan of Operations (APO) in the beginning of every financial year in respect of the instant Plan following all the rules, regulations, Schedule of Rates etc. issued from time to time by the State Government/ Forest Department. Regional Chief Conservator of Forests, Hazaribagh shall supervise & closely monitor the progress of the activities undertaken by DFO, Chatra South and DFO, Hazaribagh West Forest Division respectively as per the approved APO & funds released under CAMPA.

- (iv) That the Conservator of Forests, Hazaribagh and Chatra shall supervise all the activities as per directions issued by the Forest Department from time to time.
- (v) That the DFO, Chatra South and DFO, Hazaribagh West Forest Division shall carry out the activities under the Plan strictly as per the duly sanctioned APO.
- (vi) That both the DFOs shall ensure that no violation of duly sanctioned Working Plan of their Forest Divisions takes place during implementation of any of the activities involved in this plan over notified and demarcated forest land.

(vii) That the instant Plan is dynamic and be reviewed after 5 years to assess its compatibility with mining and its concurrent reclamation activities and a revised Plan be formulated as per requirement.

(viii) That though adequate provisions have been made towards cost escalation in the plan viz, increase in wage rate/ material cost etc., yet the User Agency shall submit an undertaking to the DFO, Chatra South and DFO, Hazaribagh West Forest Division to the effect that it will deposit extra cost of the plan beyond the cost escalation provision owing to increase in wage

INVORAGUET OPEN CAST PROJECT

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MAUN PRAKAS

Divisional Forest Officer West Division, Hazariba rate etc. in due course of time as well as consequent upon revision in the plan, if any, as and when given effect to by the competent authority. Sd/-

> Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No.

dated

Copy forwarded to Deputy Director General of Forests (Central), Ministry of Environment, Forest & Climate Change, Integrated Regional Office, Ranchi, Harmu Housing Colony, Ranchi [email: ro.ranchi-met@gov.in] / Principal Chief Conservator of Forest-cum-Executive Director, Waste Land Development Board, Jharkhand, Ranchi / Additional PCCF, CAMPA along with a copy of the Plan, for Information and necessary action.

> Sd/-Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No. 2929 dated 2-8-11-2024

PT OPEN CAST PROJECT

COLORADA L'CHANDRADLIFT ARFS CCL

Copy forwarded to Regional Chief Conservator of Forest, Hazaribagh / Conservator of Forest, Hazaribagh / Chatra / DFO, Chatra South / Hazaribagh West Forest Division for information and necessary action.

> Principal Chief Conservator of Forests, Jharkhand, Ranchi

MAUN PRAKAS Divisional Forest Officer West Division, Hazaribag

28.11 2014

कार्यालय – वन प्रंमडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल, वन भवन, हजारीबाग

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Redie: 13/12/24

Annexure-14

परियोजना पदाविकारी, मन्द्रभुषा कोठसीकपीठ, मीठदीठसीठ भवन, होन्से, पोस्ट-टंडवर, जिल्ल-पदास 825321

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अर्थन :

विषय :--

 Sannetion Order of the Catchment Area Treatment Plan with reference to non-forestry use of 699.38 ha of forest land for Chandragapta Open Cast Mine in favour of M/s Central Coalifields Limited (CCL)

प्रधान मुख्य यन संरक्षक, झारखण्ड, संगी का झायोक 2020 दिनांक 20.11.2024

स्वांग १-महारहर

चपतुंसा विषयत प्रसंगतीन पत्र में संगंध में पुषित वार्यम है कि भारत सरवार प्रयोगरन, का एवं स्वरूसपु परिवर्तन मंत्रात्रक, नई दिल्ली का प्रजान 8-24/2023 FC विनाम 27.05.2024 हास स्टेस -1 में संगामें गये condition No. 5 of the said letter- " To mitigate the impact on water of Backi river and other rivulets/nales, a Catchment Area Treatment (CAT) Plan shall be prepared and implemented at the cost of the user agency". The commensurate funds shall be deposited in National Authority prior to Stage-II approval." के अनुपालन में प्रयान मुख्य यन संस्थान, आपडाल, प्रयोग्र स्वी का कार्यात्रक वादेश संख्या 172 एवं बायांस 2029 दिनाफ कार्य उठात-Specific Catchment Area Treatment Plan स्वीज्य निषया गया है (प्राया पति संसर्भ) 1

Name of Division	Deposited amount for Catchment Area Treatment Plan (Rs in akb)
Chaira South Forest Division	3707.26
Hazaribagh West Forest Division	1098.66
Total :-	4805.92

रामने condition No. 5 के अनुपालन के तम में वर्ग प्रमण्डल पदाधिकारी, घठत दक्षिणी वर्ग प्रमण्डल को Catchment Area Treasant Plan- 3707,26 एसड का एवं हजारीयम परिवर्मी यन प्रमण्डल को 1098.68 लाख का की करीकृति दी गई है।

जलः आनुरोध है कि तन प्रमण्डल पदाधिकारी, चलता दक्षिणी का प्रमण्डल उत्तर.26 लाख एव इन्हारीकाग घरियमी बन प्रमण्डल को 1056.86 लाख रहा बहुल का 4805.92 (Jn lakts) ई-गेमेन्ट के माळाम से Ad-boc गेम्पा के खाला में जम्म करते हुए चाल्टन की सल्यापित प्रति इस कार्यालय में संगर्पित करना मुनिरिया विध्या भाव सामि अनेतर कार्ययाई किया जा सजे। अनुसम्मवर--यथीला।

आप्रवय विख्यासी

तप्त्रसेवाग पविचमी प्रमंधल 🌱

यन प्रमंधल

Letter to Letter to Ugers Agency (Chandragagita spen cast project_CCL 1991.18 bs.1)

Divisional Forest Officer West Division, Hazaribag

T CHEN CAST PROJECT ALLCHANDRAGUPT AREA, CCL.

Email			Sanjeev Kumar
Email Alert From System Admini From : monitoring-fc@nic.in Subject : Email Alert From System Proposal(OSMFCP) portal To : po chandragupta <po.ch Cc : monitoring-fc@nic.in</po.ch 	Alert From System Administrator of Online Subm om : monitoring-fc@nic.in ect : Email Alert From System Administrator of Online Su Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal From : monitoring-fc@nic.in Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	Wed, Jan 22, 2025 04:08 PM
	This is to acknowledge Agency have been verified Detail of Proposal are giver	This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.	
	Propsal Detail 1. Proposal No. 2. Proposal Name 3. Category of the Proposal	: FP/JH/MIN/140599/2021 : CHANDRAGUPT OCP : Mining	
- Lunioux	 Date of In-principle : 09/04/2021 Name of the Applicant with Continues 	 Date of In-principle : 09/04/2021 Name of the Applicant with Contact Details 	
Divisional Forest Office	Name Mobile No.	: CHANDRAGUPT OCP : 8987784169	man Manus
West Division, Hazaribag	Email ID	, po.chandragupta@coalindi a.in	CHARGE CONTROL OF CONT
	State District	: Jharkhand : Chatra	

generating challan through the system. User Agency is requested to make above mentioned payment after Funds Demand Details **Total Amount** 11. Other Charges3 10. Other Charges2 9. Other Charges1 8. DE-SILTATION 6. Additional Charges for 5. Safety Zone Afforestation 3. Penal Compensatory 7. Net Present Value (NPV) protected area Afforestation 1. Compensatory Afforestation 2. Additional Compensatory Catchment Area Treatment Pincode : Rs. 2194290381/-: Rs.0/-: Rs. 0/-: Rs.0/-: Rs.0/-: Rs. 0/-: Rs. 0/-: Rs. 480592000/ : Rs. 70079000/-: Rs. 0/-: Rs. 0/-: Rs. 1643619381/-: 825321

*** This is a system generated email, please do not reply. ***

(System Administrator)



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Date-27-01-2025

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank:-

Sr. No.	Benefici ary	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	21942903 81.00	15072581405 99331	UBIN099 6335	ICICR4202501270 0001515	27- 01- 202 5

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guaranter or otherwise.

This certificate is issued at the specific request of the said customer.

Regards Autrorised Sig

ICICI Bank-Ltd Ratu Road Ranchi -834001

CHANCINAGUP AMRAPALICHARDES

MAUN PRAKAS Word Division

ICICI Bank Limited Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi-834001, Jharkhand, India

Website www.icicibank.com CIN:: L65190GJ1994PLC021012

Regd. Office : ICICI Bank Tower, Near Chakli Circle, Old Padra Road, Vadodara 390 007, India.

Annexure-16

Top Soil Management

of

Chandragupt OCP

(Normative-15.00/Peak-20.00 MTPA) Project Area- 1495 Ha (North Karanpura Coalfields, Dist: Hazaribagh & Chatra State: Jharkhand)



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July 2024

Central Mine Planning and Design Institute Limited Gondwana Place, Kanke Road, Ranch

> PROJECT DIFFICER CHANDISJOURT GREN CHTT TSOJNET MITTAPALL/CONTRALMENT ANDA COL



1. Project Description:

Chandragupt OCP is a Greenfield opencast coal mining project located in the North Karanpura Coalfields, falling in both Hazaribagh & Chatra districts of Jharkhand. This project is covered in Survey of India Topo-sheet no. 73A/13 and 73E/1, and is bounded between latitude 23°51'30" to 23°54'45" N and longitude 85°01'15" to 85°03'15".

The details of revenue villages falling within the project boundary are as given below:

SI.No	District	Tehsil	Villages
01	Hazaribagh	Keradari	Badhaikhap, Bukru, Chatti-Bariyatu, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua
02	Chatra	Tandwa	Usru

DA AL CONTRACT OF A DATA O	Node	Latitude	Longitude
and the second second	A	23'54'37.00"N	85* 1'36.52*E
	В	23"54"13.98"N	85* 3'11.60*E
A CONTRACTOR	с	23'51'22.45"N	85* 3'11.99*E
The state of the second	D	23"51"23.49"N	85* 2'5.42*E
	E	23"51'45.80"N	85* 1'50.02*E
and and	F	23*52'40.52*N	85° 2'3.06*E
Stores and a little	G	23*52*46.74*N	85° 1'24.78"E
from the second	н	23*53'21.39*N	85" 1'39.11"E
	1	23*53*54.10*N	85* 1'15.39"E

MAUN PRAKASH Divisional Forest Officer Neal Division, Hassion

Physiology and Drainage.

Climate

The climate is tropical with severe summer. The temperature during summer (March-June) goes as high as 45°C. Summer days are hot with dusty wind, but nights are generally pleasant. The minimum summer temperature is 23°C. The winter (November-February) is cold and the minimum temperature recorded is 2 to 3°C. The average annual rainfall in the district is 1225.6 mm. During the monsoon season June to September the district receives about 85% of the annual rainfall. July is the rainlest month with an average rainfall of 315.7 mm.

Lopography.

The block is characterized by more or less flat terrain with gentle undulations. The maximum elevation of 500m is observed near borehole no CNKP-88 & CNKP-91. The minimum elevation is about 445m on the bank of the Barki River.

Drainage

Barki River flowing from Nort-South direction forms the principal drainage within the study area. It flows in the North-South direction and touches the western boundary of the ML area. The Chundru River marks the southern boundary of the block whereas Barki River is the western limit of the boundary at 60m. The study area also shows the presence of the Garhi River. The Barki River and Chundru River are the major tributaries of Garhi River. The southerly flowing Garhi River is the master drainage and perennial source of water for the area. The drainage pattern of the area is mostly dendritic in nature, wherein the smaller stream meets the larger at an acute angle.

3. Present Landuse

Chandragupt OCP is a green-field project, and hence core zone mainly consists of forestland, vegetation and agricultural land. No industrial activity observed in the core zone. The detailed land use pattern as per the remote sensing data is as given below.

-	Chaines	Celeur	Care	Zune	Auffer 2	lower.
Lavel-I	Level-11		Area (Km ²)	55.ed Yutat	(Kar ²)	% of Tand
	Dealer Freedort	1000	0.00	4.00	18.51	20.5
Freest Land	Open Frees.		1.41	22.62	11.0%	85.9
000001443	Total Forest Load	-	3.41	22.82	179.55	37.4
	Servite.		3.21	11.50	69.84	14.5
	Secul Forcery		- 6403	-9.00	0.00	- 44
Plantin	Plantation on OB		0.00	4.00	0.15	- 98
Ante	Phetodocum Heck/EL		10.00	-0.080	0.00	.0,0
	Total Pleasadion Area		0.20	3.05	0.23	18,8
a minister of	Crop hed.		1.24	8.29	61.05	12.7
Agriculture . Land	Padlere Land	1	6.38	42.64	137.03	28.5
	Total Agriculture Land		7.6.7	38.94	196.09	41.2
	Watte Land	100	0.15	1.00	8,22	1.7
Wyge Land	Sout Bely		11.00	0.98	2.30	0.5
and the second	Fertur Waster Land		0,15	1,80	10.17	2.1
-	Coal Quarty	1	0.60	0.04	1.15	0.2
	Berten 733 Damp	1000	41.00	13.96	1.10	- (1.3
10.00	Back Fill		0.00	0.00	7.88	- 8.5
Mone Arra	Cost Damp		0.00	0.00	1.12	115
	Water Hilled Oxy	1	0.00	0.08	4.30	81.5
1	Fotal Mining Area		0.03	0.80	1.82	1.3
	Liebus Soth-samp	1 1	10 U	2.56	4.37	
Sel Cost	Ruical Statikovania		0.00	12.00	1.90	0.0
Settements	Industrial Southenants		0.62	0.34	3.18	- 61
	Tatal Scitlement Area		11.40	2.76	7.48	1.5
Water Dody	Rives/ Paula		0.14	1.04	8.54	1.3
	Tetal Arra	-	14.95	1000.00	479.83	103.0

Table: Landuse Pattern of Study area- Core Zone and Buffer Zone



PROJECT OFFICER CHANDRALBAL APER CAST INTOJECT AND AND ALACESTIC AND AT AREA, CCL.

4. Soll Quality Status

Soil samples were collected from three identified locations around the study area during study period to generate primary information on soil quality prevailing in the study area. These samples were collected once during the study period and preserved in polythene bags / Pet jar having lock facility. The parameters tested and methodology adopted are as follows:

Sn	Parameter	Unit	Test Method
1	pH		IS:2720 (Part 26)
2	Water Holding Capacity	%	USDA Method
3	Electrical Conductivity	µS/cm	IS: 14767:2000
4	Available Nitrogen	kg/ha	TP/C/4.7
5	Available Phosphorus	kg/ha	TP/C/4.5
6	Available Potassium	kg/ha	TP/C/4.6
?	Sodium absorption ratio (SAR)		S.K. Maithi (Volume 2)
8	Available Organic Carbon	%	15:2720 (PART 22)
9	Cation exchange capacity	meq/100g	TP/C/4.14
10	Specific Gravity	-	IS:2720 (PART 3)
11	Field Capacity	%	S.K. Maithi (Volume 2)
12	Wilting Coefficient	96	S.K. Maithi (Volume 2)
13	Texture	-	IS:2720 (PART 4)
	a) Sand	95	IS:2720 (PART 4)
	b) Silt	%	IS:2720 (PART 4)
	c) Clay	96	15:2720 (PART 4)

The detailed observation made for soil quality during the study period is below -

Table: Soil Monitoring at Station S1

Location: Bhadai khap Village Agriculture Land (S1)

	TESTS		RESULTS		
SI. No.		30CM	60CM	90CM	
1	pН	6.6	6.2	6.8	
2	Elec.Conductivity(µ mhos/am)	324.6	298.7	267.5	
3	Nitrogen Av.(kg/ha)	422.7	378.0	268.6	
4	Phosphorous Av. P2O5 (kg/ha)	16.3	11.5	8.7	
° 2	Potash Av.(kg/ha)	286.5	241.2	179.1	1mg
6	Organic Carbon (%)	0.62	0.51	0.34	-Cranter
7	Specific Gravity (%)	2.3	2.4	2.5	IN PRAKA
8	SAR (meg/l)	1.08	1.1	1.06	Forest
9	WHC (%)	34.6	28.9	25.6 DIV	stonal Forest C at Division, Ha
10	Field capaicity (%)	14.2	15.9	16.2	NO.15

11	Wilting Coefficient	0.72	0.67	0.54
12	Grain Size Distribution			
A	Textural Class	Sandy Loam	Sandy Loam	SandyLoam
8	Sand(%)	57.2	55.7	59.1
С	Silt(%)	26.4	32.0	31.6
D	Clay(%)	16.4	12/3	9.3
13	Cation Exchange Capacity (meg/100g)	31.4	29.2	30.5

Table: Soil Monitoring at Station S2

Location: Bhadai khap Village Barren Land (S2)

-	TESTS	RESULTS				
Sn		30CM	60CM	90CM		
1	pH (1:5)	6.1	5.8	5.5		
2	Elec. Conductivity (ji mhos/em)	307.2	359.7	326,2		
3	Nitrogen Av.(kg/ha)	274.1	231.0	144.6		
4	Phosphorous Av. P2O5 (kg/ha)	7.1	5,2	3.8		
5	Potash Av.(kg/ha)	193.6	147.7	124.0		
6	Organic Carbon (%)	0.31	0.21	0.10		
7	Specific Gravity (gm/cc)	2.4	2.6	2.5		
8	SAR (meg/l)	1.2	1.3	1.2		
19	Water holding Capacity (%)	18.7	19.6	26.5		
10	Field capacity (%)	8.5	7.8	6.8		
11	Wilting Coefficient	0.60	0.57	0.48		
12	Grain Size Distribution					
A	Textural Class	Sandy Loam	Sandy Loam	Sandy Icam		
ġ	Sand(%)	58.3	59.4	61.2		
τ.	Sih(%)	31.9	32.8	32.4		
D	Clay(%)	9.7	7.8	6.4		
33	Cation Exchange Capacity (meg/100g)	20.7	18.1	16.1		

Table Soil Monitoring at Station S3

Location: Bukru Village Forest Land (S3)

SI.	TESTS		RESULTS	
No.		30CM	60CM	90CM -57
1	pH	6.3	6.4	MAUN PRAKAS
2	Elec.Conductivity(µ mhos/em)	271.3	297.6	267.1
3	Nitrogen Av.(kg/ha)	308.4	273.2	Divisional Forest Office
4	Phosphorous Av. P2O5 (kg/ha)	10.4	8.6	West Revision, Nazariha
5	Potash Av.(kg/ha)	282.5	210.5	186.2
6	Organic Carbon (%)	952 (FOT O	0.38	0.27

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7	Specific Gravity (%)	2.3	2.2	2.3	
8	SAR (mcq/l)	1.1	1.1	1.0	
9	WHC (%)	29.6	28.6	25.7	
10	Field capacity (%)	12.3	14.3	12.8	
11	Wilting Coefficient	0.66	0.65	0.54	
12	Grain Size Distribution				
A	Textural Class	Sandy Lounn	Sandy Loam	Sandy loam	
0	Sand(%)	57.2	59.4	58.4	
ſ.	Silt(%)	30.0	30.9	35.1	
D	Clay(%)	12.7	9.6	6,4	
13	Cation Exchange Capacity (mcq/100g)	29.2	25.5	21.9	

Table showing Soil Classification

Soil Test	Classification
<i>p</i> H	<4.5 Extremely acidic 4.51–5.50 Very Strongly Acidic 5.51–6.0 Moderately Acidic 6.01–6.50 Slightly Acidic 6.51–7.30 Neutral 7.31–7.80 Slightly Alkaline 7.81–8.50 Moderately Alkaline 8.51–9.0 Strongly Alkaline 9.01 Very Strongly Alkaline
Salinity Electrical Conductivity (mmbos/cm) (1ppm = 640 mmbo/cm)	Up to 1.00 Average 1.01 -2.00 harmful to germination 2.01 - 3.00 harmful to crops (sensitive to salts)
Nitrogen (kg/ha)	Upto 50 very Less \$1-100 Less 101-150 Good 151-300 Better >300 sufficient
Phosphorous (kg/ha)	Upto 15 Very Less 16-30 Less 31-50 Medium, 51-65 on an Average Sufficient 66-80 Sufficient >80 more than Sufficient
Potassium (kg/ha)	0 -120 very less 120-180 less 181-240 medium 241-300 average 301-360 better > 360 more than sufficient

Source Handbook of Agriculture, Indian Council of Agricultural Research, New Delhi *

Rating chart for the soil test data for Organic Carbon

Soil Parameters	Low	Medium	High
Organic Carbon	< 0.50 %	0.50 - 0.75%	> 0.75%

Source: Text Book of Soil Science by R. K. Mehra

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Depth (cm)	рН	Organic Carbon (%)	Available Nitrogen	Available Phosphorus	Available Potassium
0-30	Neutral	Medium	Sufficient	Less	Average
30-60	Slightly Acidic	Medium	Sufficient	Very Less	Average
60-90	Neutral	Low	Better	Very Less	Less
6-30	Slightly Acidic	Low	Better	Very Less	Medium
30-60	Moderately Acidic	Low	Better	Very Less	Less
60-90	Very Strongly Acidic	tow	Good	Very Less	Less
0-30	Slightly Acidic	Medium	Sufficient	Very Less	Average
30-60	Slightly Acidic	Low	Better	Very Less	Medium
60-90	Slightly Acidic	Low	Better	Very Less	Medium
	(cm) 0-30 30-60 60-90 0-30 30-60 0-30 30-60	(cm)pH0-30Neutral30-60Slightly Acidic60-90Neutral0-30Slightly Acidic30-60Moderately Acidic60-90Very Strongly Acidic0-30Slightly Acidic30-60Slightly Acidic	(cm)pHCarbon (%)0-30NeutralMedium30-60Slightly AcidicMedium60-90NeutralLow0-30Slightly AcidicLow30-60Moderately AcidicLow60-90Very Strongly AcidicLow60-90Slightly AcidicLow30-60Slightly AcidicLow60-90Slightly AcidicLow0-30Slightly AcidicLow0-30Slightly AcidicLow	(cm)pHCarbon (%)Nitrogen0-30NeutralMediumSufficient30-60Slightly AcidicMediumSufficient60-90NeutralLowBetter0-30Slightly AcidicLowBetter30-60Moderately AcidicLowBetter60-90Very Strongly AcidicLowBetter60-90Slightly AcidicMediumGood60-90Slightly AcidicMediumSufficient30-60Slightly AcidicLowBetter30-60Slightly AcidicMediumSufficient30-60Slightly AcidicLowBetter	(cm)pHCarbon (%)NitrogenPhosphorus0-30NeutralMediumSufficientLess30-60Slightly AcidicMediumSufficientVery Less60-90NeutralLowBetterVery Less0-30Slightly AcidicLowBetterVery Less30-60Moderately AcidicLowBetterVery Less60-90Very Strongly AcidicLowGoodVery Less60-90Slightly AcidicMediumSufficientVery Less60-90Slightly AcidicLowGoodVery Less0-30Slightly AcidicMediumSufficientVery Less30-60Slightly AcidicLowBetterVery Less30-60Slightly AcidicLowBetterVery Less30-60Slightly AcidicLowBetterVery Less

Table: Soil Observation & Classification as per ICAR Soil Classification Standard and rating chart for the soil test data for Organic Carbon

Essential parameters which determine the fertility of the soil are:

pH: The soil pH varies from very strongly acidic to neutral in nature;

Nitrogen: The nitrogen content in the Forest Land (S1) and Agricultural Land (S2) is observed to be in sufficient and better category at all sampling depth whereas in barren land nitrogen varies from good to better.

Phosphorus: The phosphorus content in the Agricultural Land (S1), Barren Land (S2) and Forest Land (S3) is observed to be in less to less category; and

Potassium: The potassium content in the study varies from less to average.

Since the PK values are less in most areas, fertilizer supplements will be required for increasing the agricultural productions.

MAUN PRAKA Divisional Forest Officer West Division, Hazaribag

PRAJECT GENELS CHANDRAGEN OPEN CALL FROJECT AURAPALI-CHANDRAGUM AREA, CCL 5. Topsoil Management

5.1 Introduction

Topsoil is that uppermost layer of soil capable of growing and supporting vegetation. Topsoil contains the essential microorganisms, nutrients, organic matter, and physical characteristics necessary to grow and sustain permanent vegetation.

The salvaging, stockpiling and re-application of topsoil to be used as growth medium in the reclamation of internal & External overburden dumps within the mining area is a major environment protection programme. Soil management in opencast mine is necessary to reestablish the stability & productivity of land disturbed due to mining activity.

Two factors influence how topsoil performs as a growth medium. One is the quality of the topsoil and other is the depth of the topsoil. The higher the quality of the topsoil and the greater the depth in relation to the root zone, the better the soil will support healthy plant growth and encourage infiltration.



Fig :- Soil Profile

The factors influence the characteristics of topsoil are climate, vegetation and organic matter, topography and physiography, mineralogical constituents, surface processes, biological activity and human activity.

5.2 Stripping of Top Soll

Top soil should be stripped only from the area which will be disturbed by Excavation, filling, Infrastructure etc. Approx. 30 cm of top soil is stripped depending upon the soil profile at site. Depth of stripping is determined by taking soil core at several locations.



5.3 Details of Topsoil generation from Chandragupt OCP

Total top soil to be generated is approximately 3.90 MCum and this total volume of top soil will be utilized for concurrent biological reclamation of internal dumps, Embankment and Green belt.

The top soil staked in an area of about 22.48 Ha in initial 15 years upto maximum height of 8m in 3 deck having slope 2H:1V which will be kept in Usru Village on Non-Forest land AUM PRAKASH the mine developed the top soil is directly applied on the area to be reclaimed.

> CHANDRA OVET CIFEN CAET FROJECT ANRAPAL CHANDRAG AFT ATEA. CO.

Divisional Forest Officer West Division, Hazaribag Top soil so generated will be utilized in embankment, spreading over backfill area and in Green Belt Area. Details are given in below table.

	Ton Soil		Top Soil Used (Mcum)	ed (Mcum)	
Year/Stage	Removal Plan (Mcum)	Spreading Over Embankment	Spreading Over Backfill Arca	Used in Green Belt Area	Total Utilize
EI EI	0.13	0.10	00.00	0.03	0.13
(3	0.52	0.10	0.02	0.06	0.18
(-5	0.88	0,10	0.07	9.06	0.23
6-10	1.57	0.10	0.17	0:06	0.34
/-15	225	0.10	0.25	0.08	0.43
(-20	275	0.10	1.32	0.08	1.51
Y-25	3.11	0.10	1.32	0.08	1.51
ŕ-30	3.47	0.10	2.84	0.08	3.02
(-35	3,86	0.10	3.09	9.08	3.27
(41	3.90	0.10	3.72	9.08	3.90
ost Closure					
V-44	3.90	0.10	3.72	0.08	3.90

Divisional Forest Officer West Division, Hazaribag MAUN PRAKASH many

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5.3 Site location

The site should be flat and established proper erosion and sediment control structure such as diversion, berms, dikes, waterways and sediment basin.

Immediately prior to spreading the top soil, loosen the subgrade by disking or scarifying to a depth of at least 100 millimeters to ensure bonding of the topsoil and subsoil.

If sufficient topsoil is available, a minimum compacted depth of a half meter on 3:1 slopes and one meter on flatter slopes is suggested.

Compact the topsoil enough to ensure good contact with the underlying soil, but avoid excessive compaction, as it increases runoff and inhibits seed germination. Light packing with a roller is recommended where turf is to be established.

5.4 Stockpiling

Top Soil will be stacked on the flat horizontal area and where there is no natural drainage. Sediment barrier is provided to retain sediment.

Temporary seeding - protect topsoil stockpiles by temporarily seeding as soon as possible, within 30 days after the formation of the stockpile.

Permanent vegetation - if stockpiles will not be used within 12 months they should be stabilized with permanent vegetation to control erosion and weeds.

As the mine pits expand, there will be more opportunity to strip top soil and apply it directly to area to be reclaimed, thus avoiding topsoil stockpiling. Freshly stripped and placed topsoil retains more viable seed, micro-organisms and nutrients than stockpiled soil. Vegetation establishment is generally improved by the direct return of topsoil and is considered 'best practice' topsoil management.

5.5 Maintenance and Inspection

Periodic inspection and maintenance will be required. Make any repairs necessary to ensure the measure is operating properly. Repair and reseed if necessary to control erosion and loss of topsoil. This periodic maintenance procedure applies to either temporary soil stabilization or permanent seeding application

Divisional Forast Officer West Division, Hazariban





Fig: Proposed Working Plan of Chandragupt OCP showing Location of Topsoil Dump



PROFEE CAST PROJECT ANDRAGUY OFFICIAST PROJECT ANDRAPALI-CHANDRAGUPT AREA, CCL. 5.6 Topsoil Conservation with Grass and Shrub Species

The main objectives of topsoil conservation is to minimize soil erosion from wind and water runoff, enhance soil

Gross Species Selection:

- 1. Choose a mix of native grass species suitable for climate, soil type, and rainfall. Here are some options based on their characteristics:
 - Fast Establishment: Doob Grass (Cynodon dactylon)
 - Erosion Control on Slopes: Vetiver Grass (Chrysopogon zizanioides)
 - Drought Tolerance: Dichanthium annulatum (Ditch Pal Grass)
- 2. A mix of these will be most suitable combination.
- 3. Planting Techniques:
- 4. Sow the grass seeds directly onto the prepared seedbed following the recommended seeding rate for each species.
- 5. Lightly rake the seeds into the soil to ensure good seed-to-soil contact.
- 6. Apply a thin layer of mulch (straw, hay) to retain moisture and suppress weed growth.

<i>S.N</i> .	Nume of Species	Common Name	Family Name	Habitat	Ригучале
1	Cyuodon dactylon	Doob Grass	Poscene	Gruss	Doob grass is a fast-growing low-growing perentrial grass that forms a dense mat, which helps prevent soil erosion. It's well-adapted to various soil conditions and tolerates moderate foot traffic.
2	Cyrtacoccum patens	Lemon Grass	Pascese	Genar	Its root system can provide some limited stabilization, and it grows relatively quickly.
1	Saccharum spontaneum	Wild sugarcane	Розосис	Graxi	This tall gress grows in large clumps and is notive and drought resilient.
4	<u>Cenchras</u> pedicellatus	Deenanath Grass	Poacese	Grant	This Grass is a many- branched leafy annual grass up to 1 m tall which will help in wind crusion and control grassion of soil.
	Dictionthinou ausuilation	Ditch Pal grass	Ронсеве	Perennial grass	This is a perennial grass, up to about 25 cm tall and will be suitable for soil erosion control.
	Chrysopogon zizanioides	Veti ver grass	Pancene	perennial grass	Vetiver grass (Chrysopogon zizanioides) is an exception with its thin fibrous roots penetrating vertically up to 3- 4 m (Hellin & Haigh, 2002), thus, this grad Astan Neet Part both crossion reduction and crossing along statistical pions shallow lange an exhibition pions.

	Axonogous contpressus	Carpet Grass	Pascece	Gruss	As a covering mat, it can control crosion and provide some protection against infestation by mixe nextions weeds.
5	Dudonaea viscusa	Hop bush	Sepindaceae	Shrub	These are all struths species, which will offer wind protection to soll
ð.	Clerndendram informatum	Hill glory bower	Lamiaceae	Perrineal Shrab	
7	Woodferdia fraticma	Fire flame bush	Lythraceae	Shendi	
8	Clevodendram phlaneides	Sage Glory Bower	Laminceae	Shrab	
9	Vitex negundo	Chaste tree	Laminceste	Somb	

Additional Considerations:

- Slope Stabilization: For steeper slopes, consider additional erosion control measures like jute mats or wattles alongside the grass cover.
- Long-Term Seeding: If long-term cover is desired, consider incorporating slow-growing, native bunchgrasses alongside the fast-establishing species for a more diverse and sustainable solution.
- Post-Seeding Activities: Once the topsoil is stabilized, plan for future land use. This could
 involve planting trees, shrubs, or crops suited for the revitalized soil.

MAU LES. **Divisional Forest Officer** West Division, Hozaribog



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-17

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Fa)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Saurakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-6

Chandragupt OCP undertake that "Top Soil Management Plan as recommended by the State shall be prepared and implemented at the cost of the user agency"

> Divisional Forest Officer, West Division, Hazaribag

Project Officer Chandragupt Open Cast Project

PROCESSION OF THE PROJECT



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-18

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-7

Chandragupt OCP undertake that "No mining shall be carried within 60 mtrs from HFL of the Barki River and green belts as per norms shall be maintained around the other water bodies)"

Divisional Forest Officer West Division, Hazaribag

Project Officer Chandragupt Open Cast Project CCE CLORED CHANGE OF THE CAST PROJECT





सेन्ट्रल कोलफील्ड्स लिमिटेड (मारव सरकार सर एक एफकन / कोल इंकिंबो हैर के एक जन्नुवनी कंपनी) पंजीकृत कार्वालय : दरमंगा हात्रस, राँची व्र.अ 001 (झारखण्ड) ाम 01020004195660000581

AMRAPALI & CHANDRAGUPTA AREA

फोन:[0651]2365606,2360479;ईमेल gmfrst.colifecoalindia.in तेवसहर: www.centralcoalfields.in

Ref No.: GM(A-C)/PO Chandragupt/NOC/2024-25/2.7-1

Date: at /11/xa

19

To

The Chief Engineer, Water Resource Department, Hazaribagh,

Sub: Request for In-Prinicipal Approval/NoC for diversion of Chotki Nala at Chandragupt Project under CCL-Reg.

Ref:1. Your Letter No.:2/PMC/ 团团U/1041/2022/916 dated 28.10.2024.

Our Letter No: CCL/DTO/WRD/Chandragupta/2024-25/119 dated 24.06.2024.
 Our Letter No:GM(Co-Ordination)/Chandragupt/2022-23/31 dated21.10.2022.

Dear Sir,

This is to bring your kind knowledge that as advised by your good office, the detailed project report for diversion of Chetki Nala has been prepared by RT,Roorkee and submitted the vide letter No: 22-23/31 dated 21.10.2022, further, as per instructions of your office the team had inspected the site and given their opinion for the proposed nala diversion.

Accordingly Chief Engineer, Design (Planing & Hydrology),Ranchi and water Resources,Jalbhawan,Ranchi also given their opinion for the nala diversion in respect of Chandragupt Project.

Meanwhile, examining the environmental clearance (EC)for this project ,MoEF&CC ,New Delhi has raised ADS/EDS on 15.03.2024 one of the conditions for compliance stipulated in the ADS/EDS is to take approval/NoC from the concerned state authority for diversion of Chotki Nala falling within the lease of Chandragupt OCP.

Further it is mentioned that the Proposal is pending due to Standard Operating Procedure-cum-Guideline from the state water resources department, finally the SOP-cum-Guidelines issued and informed us under the reference letter No:2/PMC/

Chandragupt OCP has followed the Standard Operating Procedure-cum-Guideline and completed the application for diversion Chotki nala with all respects under the SOP.

MAUN PRAKA Divisional Forost Officer West Division, Hazaribag

PROJECT OFFICEN UMUDINALIJET OPEN CAST PROJEC SUBRAPALI CHANDRAGUET AREA. CCL

In view of the above, it is hereby kindly requested to kindly consider the subject proposal and accord in principal approval/NoC for diversion of Chotki Nala at Chandragupt OCP so that the submission of compliance of Environmental Clearance in respect of Chandragupt OCP is done at the earliest.

Anticipating the kind consideration from your good office.

With best regards.

Yours faithfully

10

Project Officer, Chandragupt Project Amrapall- Chandragupt Area Central Coalfields Limited

Annexures: 1) Approval copy of Mining Plan

- 2] Sec-11 Under CBA(A&D) ,act, 1957 for Land Acquisition.
- 3] DPR from IIT,Roorkee
- 4| ADS/EDS copy issued by MoEF&CC,New Delhi

MAUN PRAKA LES Divisional Forest Officer West Division, Hazaribad





Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-20

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-8

Chandragupt OCP undertake that "The Chotki Stream shall be diverted after getting approval of competent Authority only"

Project Officer Chandragupt Open Cast Project PROJECTOFICER CHANDRAGUPT OPEN CAST PROJECT AURAPALI-CHANDRAGUPT AREA, CCL





झारखण्ड सरकार

Government of Jharkhand

मुख्य अभिवंता का कार्याखय रुपांकण, समझ योजना डवं जल विमान (जल शंसाधन विभाज) जल भवन, कमरा शं-203, होश्णहा, शैंची- 834002 c-mail - cedesign-wrd-jhr@nic.in

/राधी, दिनांक

मो० जमील अख्तर, मुख्य अमियंता

सेवा में,

पत्रांक :--पेषक.

> मुख्य अभियंता, योजना मोनिटरिंग एवं आयोजन, जल संसाधन विभाग, झारखण्ड राँची।

Diversion of Chotki River and Straightening of Barki River- Passing through auu:-Chandragupt Coal Mine Lease hold area के संबंध में।

i. मुख्य अभियंता, जल संसाधन विभाग, हजारीबाग का पत्रांक :- 158 दिनांक :-प्रसंगः-11.02.2025

ii. विभागीय संकल्प झापांक- 446, दिनांक 04.10.2024

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्रों के त्तंदर्भ में सुधित करना है कि विभागीय संकल्प ज्ञापांक-446, दिनांक 04.10.2024, नाला के Diversion (प्रथातरण) हेतु Standard Operation Procedure-cum-Guidelines की कंडिका 6 A (c) के संदर्भ में मुख्य अभियंता, जल संसाधन विभाग, हजारीबाग का पत्रांक :- 158 दिनांक :- 11.02.2025 से प्रस्ताव पर NOC की अनुशंसा की गई है। क्षेत्रीय स्तर से प्राप्त प्रतिवेदन में Diversion Proposal को Site Conditions के अनुरूप पाया गया है एवं NOC की जुनशंसा की गई है जिसकी छायाप्रति इस पत्र के साथ संलग्न है।

अतः जपरोक्त अनुशंसा एवं आवेदक द्वारा समर्पित DPR के पृष्ठ संख्या- 98 (6 Conclusion and recommendation) के संदर्भित अंश "Diversion of the Chokti river and the straightening of meander of the Barki river would not affect the flow downstream of the Chainage 375 m. Thus, any structure on the Barki river or Chunro river would not be affected with proposed diversion." के आलोक में विषयक प्रस्ताव की अनुशंसा की जाती है।

यह आपके सचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

अन्०- यथोक्त।

विश्वासभाजन

Bo/-(मो० जमील अख्तर) मुख्य अभियंता / (前), देनाक- 25.02.25

मागंक- 206 प्रतिलिभिः- परियोजना पदाधिकारी, चन्द्रगुप्त ओपन कास्ट प्रोजेक्ट, आग्रपाली-चन्द्रगुपा क्षेत्र सी०सी०एल० को सूचनार्थ प्रेषित।

मख्य अभियंता

CHANORAGUPT OF ENTERING LOUGHORAGE PT AREA, CCL

E/Office of Hydrology docs

Innexure -20 (R)

मुख्य अभियंता का कार्यालय, जल संसाधन विभाग, हजारीबाग।

पत्रोक- 02/यो0-01-12/2017 (भाग-5)-

/ हजारीबाग, दिनांक-

प्रेषक:-

ई० हेमन्त कुमार लोहानी. मुख्य अभियन्ता ।

सेवा में,

मुख्य अभियंता, योजना, मोनिटरिंग एवं आयोजन, जल संसाधन विमाग, झारखण्ड, राँची ।

विषय:- Request for in-Principal Approval /NOC for diversion of Chotki Nala at Chandragupta Project Under CCL-Reg

प्रसंगः-

विभागीय पत्रांक-2/PMC/विविध/1041/2022-916 दिनांक 28-10-2024 एवं CCL का पत्रांक GMA(A-C)/PO Chandragupt/NOC/2024-25/277 दिनांक 01-11-2024

महाशय

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में विभागीय संकल्प संख्या-448 दिनांक 04-10-2024 द्वारा संसूचित प्रयांतरण संबंधी Standard Operating procedure cum guidelines के अनुरूप अधीराण अभियंता, जलपथ अंचल, हजारीबाग के पत्रांक 57 दिनांक 30-01-2025 द्वारा Request for in-Principal Approval /NOC for diversion of Chotki Nala at Chandragupta Project Under CCL-Reg संबंधी प्रस्ताव पर अनापति प्रमाण पत्र निर्गत करने हेतु अनुशंसा सहित प्रतिवेयन प्राप्त, विषयांकित प्रस्ताव पर अनापति प्रमाण पत्र निर्गत किया जा सकता है।

अनु०-यथोक्त।

विश्वासभाजन

ह0/-(हेमन्त कुमार लोहानी) मुख्य अभियंता।

ज्ञापांक-

हजारीबाग, दिनांक-

प्रतिलिपि, अधीक्षण अभियंता, जलपथ अंचल, हजारीबाग एवं कार्यपालक अभियंता, जलपथ प्रमण्डल, हजारीबाग को सचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

> ह0/-(हेमन्त कुमार लोहानी) मुख्य अभियंता।

ज्ञापांक- 131 हजारीबाग, दिनांक- ०५/०२/२०२५ उप जानवता। प्रतिलिपि, M/S Sushee Chandragupt Coal Mine Private Limited, Banajara Hills, Hyderabad, Telangana-500034 (E-mail: info@sccmpl.com) को सूचनार्थ एवं आवश्यक लार्रवाई हेत् प्रेषित।

> (हेमन्त कुगार लोहानी) मुख्य अभियंता।

PROJECT CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA. CCL



Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-21

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-9

Chandragupt OCP undertake that "to prepare a human-elephant conflict mitigation plan which will be funded by the User Agency and will take necessary measure to mitigate drivers of negative human-elephant conflicts and paying timely compensations and ex-gratia"

MAUNS Divisional Forest Officer West Division, Hazaribag

Project Officer Chandragupt Open Cast Project PROCCLOFFICER CHANDRAGUPT OPEN CAST PROJECT AMERICANDRAGUPT OPEN CAST PROJECT

Z		Chandrag Column 1	Chandragupt OCP (699.38 Ha)	FROFORMA FOR VERIFICATION OF DEPOSITS IN COMPENSATION AFFORESTATION FUNDOMINAL OF FATERIA Chandragupt OCP (699.38 Ha) Column 2
-	Name of Regional Office			Integrated Regional office Ranchi
10	State/District/Forest Division to which the proposal	to which the proposal relates		Jharkhand/Chatra&Hazaribegh/Chatra South & Hazaribagh West
0	Name of User Agency, Name of Proposal	of Proposal		Central coalfields limited, Chandragupt Opencast Mining Project
+	Nature of Category of Proposal	1		Mining
-	Proposal No.			FPUHUNIN/140599/2021
0	Extent of Forest Area involved	1		699.38 Ma
-	Whether original or extension			Original (land acquired under CBA Act)
00	If the extension of lease, pleas	If the extension of lease, please clarify if proposal involves additional forest area and if so specify	rest area and if so specify	NA
0	Dated of 1st Stage clearance			File No. 8-24 /2023-FC dated 27.05.2024
0	Extent of CAMPA Charges, head wise viz.	and wise viz.		
	a) Compensatory afforestation			Rs 164,36,19,381.00
	b) Additional compensatory afforestation	fforestation		NA
	c) Penal compensatory afforestation	tation		NA
	d) Catchment area treatment			Rs 19,47,00,340.00
1	c) De-Siltation Plan			Rs 7,00,79,000.00
	fi Additional charges for dive	fi Additional charges for diversion of area falling under notified/protected area	d area	NI
	e) Net present value			Rs. 85,92,51,274.40
	h) any other charges/levies (please specify) Safety		Zone+ Forest Produce + Cess + Tax- Penni NPV	NA
	i. Penal NPV			NA
	ii. Soil and Moisture Conser	ii. Soll and Moisture Conservation Plan (SMC) (@ 0.5% of Project Cost)	51)	Rs 4,86,75,085.00
	iii. Wildlife management plan	iii. Wildlife management plan (WLCP)(20296 of Project Cost)		Rs 48,05,92,000.00
	Total =			Rs 329,69,17,080,40
=	-	chaltan or otherwise in case of online payr	in case of online payment, details of challan	Attached
100	stan of 1 ion Manua	Sien of DPD (Chatra South)	Signal DROD Red Man West	Sign.of Nodal Officer
	PROJECT OPECER CHANCEAGUET OPEN CASE FRO_EET ARGAINML HORANDRUGUET AL 3		Divisional Forest Officar Divisional Forest Officar Weat Division, Hazaribag	

+

1	Lettills of deposits						
SIL No	Type of Deposit (NPV/CA/WM P/Others)Specify	Whether (RTGS/DD /NEFT (Specify)	UTR/DD Na.	Amount Deposit (Rs.)	Deposit	Name of Bank from which amount transferred to account of CAF	Bank Account of CAF managed by CAMPA in which fund deposited.
	NPV	RTGS	ICICR4203412110000809	85,92,51,274,00	11.12.2024	ICICI Bank Ratu Roud Ranchi	CAF Accourt Jhurkhand (A/C No1507253340599645) Unios Bank of India Bearch Jelltra Tewers, Mission Road, Bengalura- 560027
	WLCP	RTOS	ICICR42024121100000899	19,47,00,340.00	11.12.2024	ICICI Bank Ratu Road Ranchi	CAF Account Iburkhand (A/C No1307258140599645) Union Burk of India Branch Jelitra Towers, Mission Rand, Bengahirta-
	SMC	RTGS	ICICR42024121108000899	4,86,73,085.00	11.12.2024	ICICI Bank Ratu Road Ranchi	CAF Account Burkhland (A/C No1507235140599645) Union Bunk of India Brarch Jelitta Towers, Mission Road, Bergniture 560029
	cv	RTOS	ICICR42025012700001515	164,35,19,381,00	27.01.2025	ICICI Bank Ratu Road Ranchi	CAF Accourt fharthand (A/C No1307258140599645) Union Bank of India Branch Jolitta Towers, Mission Road, Bengahru-
	CAT	\RTGS	ICICR42025012700001515	480592008.00	27.01.2025	ICICI Bank Ratu Rond Ranchi	CAF Accourt fharlfrand (A/C No1307258140399645) Union Bank of India Branch Jelitra Towers, Mission Road, Bengalaru- 560027
10	De-Siltation	RTGS	ICICR42025012700001515	7,00,79,000.00	27.01.202 5	ICICI Bank Ratu Road Ranchi	CAP Account flarthiand (A.C.No1307235140399645) Unlon Bask of India Brunch Jellita Towers, Mission Knatt, Bengalum- 550027
1	Sign of User Agency	Sign	Sign.of DFO (Chatra South)	Sign.of DP	Sign.of DPO (Hazaribash West	West	Sign of Nodal Officer
E 22 -3	PROJECT OFFICE CHANDRAGET DEEN LICE INFORMACIÓN MICAPALISCINNICIONAL TAL JAL			MAUN	MAUN PRAKASH	ST S	

ii.

Ha).	Application No	28140509645	58140599645	58140599645	58140599331	58140599331	58140599331	58140599331	0	Sign.of.Nodal Officer	
upt OCP-699.38	Payment Made to CAMPA Account Total	85,92,51,274.00	19,47,00,340.00	4,86,75,085.00	136,62,20,481.00	27,73,98,900.00	48,05,92,000.00	7,00,79,000,00	329,69,17,080.00	arthagh West	AKASH LF.S.
CAMPA LEVIES FORM (Chandragupt OCP-699.38 Ha)	Hazaribagh Forest West Division Demand Raised	36,66,35,828.00	NA	NA	\$4,51,52,566.00	NA	10.98,66,000.00	4,34,41,000.00	106,50,95,394.00 329,69,17,080.00	Sign of DFO (Hazaribagh West)	MAUN PRAKASH LES.
CAMPA LEVIES	Chatra South Forest Division demand Raised	49,26,15,446.40	19,47,00,340.00	4,86,75,085.00	82,10,67,915.00	27,73,98,900.00	37,07,26,000.00	2, 66, 38, 000.00	223,18,21,686.40	Sign.of DFO (Chatra South)	
	Name of Particulars	NPV	WLCP	SMC	CA		CAT	De- Siltation	TOTAL DEMAND AMOUNT		Lange State
	Conditi on No	3	4&9	12	2		20	15		Sign of User Agency	PROJECT OFFICER CHANDRAGUET OFFICER CAST PROJECT ANYARAULOHIDDAGETT ARUK DA.
	No SL	-	~	m	4		\$	9		Sign.o	PRO

SI No	Particulars	Demand Raised vide	Amount Fuld (RS)	UTR No	Date
		DFO, Chatra (South) vide Ltr.No.1129 Dtd.31.05.2024	49,26,15,446.40	ICICR42024121100300899	11,122024
	NFV	DFO, Hazaribagh (West) vide Ltr No. 3331 Did.04.06.2024.	36,66,35,828.00	ICICR42024121100900899	11.12.2024
	WLCP	DFO Chatra (South) vide Ltr.No.2118 Ded 25.10 2024	19,47,00,340.00	ICICR42024121100000899	11.12.2024
	SMC	DFO Chatra (South) vide Ltr. No. 2117 Did 25.10.2024	4,86,75,085.00	ICICR420241211000008599	11.12.2024
		TOTAL	1102626699.00	ICICR4202412110000899	11.12.2024
		DFO/(Chatra south) vide letter No:61 dared 07.01 2025	82,10,67,915.00	ICICR42025012700001515	27,01.2025
		DFO (Hazaribugh West)vide letter no:216 dated 10.01.2025	54,51,52,566.00	ICICR42025012700001515	27.01.2025
	CA	DFO, Chatra South Forest Division vide letter no :81 dated 15.01.2025	00.006,80,67,72	JCICR42025012700001515	27.01.2925
		DFO Chatra (South) vide Lit No 2343 dated 29.11.2024	37,07,26,000.00	ICICR42025012700001515	27,01,2025
10	CAT	DFO Hazaribegh (West) vide Lir No:5987 dated13.12.2024	10,98,66,000.00	ICICR42025012700001515	27.01.2025
		DFO Chutra (South) vide the Ltr.No.2345 Dtd.29,11.2024	2,66,38,000.00	ICICR42025612700001515	27.01.2025
9	De- Sitution	DFO Hazaribagh (West) vide their Ltr.No.5989 Did 13.12.2024	4,34,41,000.00	JCICR42025012700001515	27,01.2025
		TOTAL	219,42,90,581.00	ICICR42025012700001515	27.01.2025
	Total	Amount Paid		329,69,17,080,40	

Sign of User Agency PROJECT OFFICER AND A SALACHANDRAGENT N.

Divisional Forest Officer West Division, Hazariben 1.7.5.

Sign.of.Nodal Officer

-NAUN PRAKASH

Sign of DFO (Hazaribugh-West)

Sign of DFO (Chara South)

	Column 1	Column 2
 Nume of Regional Office 		Integrated Regional office Ranchi
2 State/District/Forest Divis	State/District/Forest Division to which the proposal relates	Burkhand/Chatra&Hazaribagh/Chatra South & Hazaribagh West
3 Name of User Agency, Name of Proposal	ame of Proposal	Central coalifields limited, Chandragupt Opencast Mining Project
4 Nature of Category of Proposal	posal	Mining
t		FP/1H/MIN/140599/2021
t	Sived	699.38 Ha
t	ston	Original (land acquired under CBA Act)
	sleane clarify if proposal involves additional forest area and if so specify	NA
9 Dated of 1st Stage clearance	201	File No. 8-24 /2023-FC dated 27.05.2024
T	es, head wise viz.	
a) Compensatory afforestation	ation	Rs 164,36,19,381,00
b) Additional componentory afforceatation	ey afforestation	NA
c) Penal compensatory a florestation	forestation	NA
d) Catchment area treatment	ent	Rs 19,47,00,340.00
e) De-Siltation Plan		R.s 7.00,79.000.00
D Additional charges for	D Auditional charges for diversion of area falling under notified/protected area	変
i of Net present value		Rs. 85,92,51,274.40
h) any other charges/levit	h) any other charges/levies (please specify) Safety Zone+ Forest Produce + Coss + Tax- Penal NPV	NA
i. Penal NPV		NA
I. Soll and Moisture Co	 Soll and Moisture Conservation Plan (SMC) (@ 0.5% of Project Cost) 	R.s. 4,86,75,085.00
iii. Wildlife management	iii. Wildlife management plan (WLCP)@2% of Project Cost)	Rs 48,05,92,000.00
Total m		Rs 329,69,17,080.40
11 If the payment made thro	If the payment made through challan or otherwise in case of online payment, details of challan	Attached
N	Charles Constant Sounds	Vect) Sian of Nodal Officer
Sign of User Ngency	Sign.of DFO (Chatta Sourn) Sign on thrus (Frazimorgi)	

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MAUN PRAKASH LFS. Divisional Forest Officer West Division, Hezerborg

Annexure 22

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13	Type of Deposit	Whether	UTR/DD	Amount	Dated of	Na	Name of Bank
.9	(NPV/CA/WM P/Others)Specify	(RTGS/DD //NEFT (Specify)	No.	Deposit (Rs.)	Deposit	from which amount transferred to account of CAF	vhich unt crred unt of F
	NPV	RTGS	ICICR42024121100000899	\$5.92,51,274,00	11.12.2024	ICICI Bank Ratu Road Ranchi	ank oad hi
11	WLCP	RTGS	1030242024121100000899	19,47,09,340,00	11.12.2024	ICICI Bank Ratu Road Ranchi	ank bad
0	SMC	RTGS	BCICR42026121109000899	4,86,73,083.00	11.12.2024	ICICI Bank Ratu Road Ranchi	ink ind
	CA	RTOS	ICICR42025012700001515	164,35,19,381,00	27.01.2025	ICICI Bank Ratu Road Ranchi	ntk ad
1/1	CAT	URTOS	ICICR42025012700001515	00 000265088	27.01.2025	ICICI Bank Ratu Road Ranchi	¥ P.
0	De-Siltation	RTOS	ICICR42025012200001515	7,00,79,000.00	27/01.292	ICICI Bank Ratu Road Ranchi	a pe
5	Sign of Usht Agency	Sign	Sign of DFO (Chatra South)	Sign.of DFC	Sign.of DFO (Hazaribagh West)	(Vest)	
a torus danas and	PRICICI OFINER CHANDRAGUET OFEN CAST PRUJECT ANRANALLICHANCEAGENN AFTA, COL			Divi	MAUN Frank Othuar Divisional Factor Othuar West Division, Harson	Othear	

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[a).	Challan Application No	58140599645	58140599645	58140599645	11266501185	58140599331	15E66501185	58140559331		Sign of Nodal Officer
upt OCP-699.38 H	Payment Made to CAMPA Account Total	85,92,51,274.00	19,47,00,340.00	4,86,75,085.00	136,62,20,481.00	27,73,98,900.00	48,05,92,000.00	7,00,79,000.00	329,69,17,080.00	DFO (Hazeffbagh West) MAUN PRAKASH LEE
CAMPA LEVIES FORM (Chandragupt OCP-699.38 Ha).	Hazaribagh Forest West Division Demand Raised	36,66,35,828.00	NA	NA	54,51,52,566.00	NA	10,98,66,000.00	4,34,41,000.00	106,50,95,394.00 329,69,17,080.00	Sign.of DFO (Hazeflagh West) MAUN PRAKA
CAMPA LEVIES	Chatra Scuth Forest Division demand Raised	49,26,15,446.40	19,47,00,340.00	4,86,75,085.00	82,10,67,915.00	27,73,98,900.00	37,07,26,000.00	2, 66, 38, 000.00	223,18,21,686.40	Sign of DFO (Chatra South)
	Name of Particulars	NPV	WLCP	SMC	CA		CAT	De- Siltation	TOTAL DEMAND AMOUNT	· · ·
-	Conditi on No	67	4&9	12	~		\$	15		ALL NO.
	SL No	-	0	m	4		3	ø		Signar Use Faloatul CTN CHAMORAGET OFTY CA

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Sign of DFO (Hazmitegh West). MAUN PRAKASH

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Signof DFO (Chatra South)

Demand Raised vide Assoning Paula UTR Ne Deter DFO Channa (South) vide 49, 26, 15, 446 40 ICICR42024121 100000899 11, 12.2024 DFO Channa (South) vide 36, 66, 35, 828, 00 ICICR42024121 100000899 11, 12.2024 DFO Channa (South) vide 36, 66, 35, 828, 00 ICICR42024121 100000899 11, 12.2024 DFO Channa (South) vide 36, 66, 35, 828, 00 ICICR42024121 100000899 11, 12.2024 DFO Channa (South) vide 19, 47, 00, 340, 00 ICICR42024121 100000899 11, 12.2024 DFO Channa (South) vide 4, 86, 75, 085, 00 ICICR42024121 100000899 11, 12.2024 Ltr. No.2117 Did, 25, 10, 2024 1102626699, 30 ICICR42024121 100000899 11, 12.2024 DFO (Channa south) vide inter 82, 10, 67, 915, 00 ICICR42025012700001515 27, 01.2025 DFO (Channa south) vide inter 82, 10, 67, 915, 00 ICICR42025012700001515 27, 01.2025 DFO (Channa south) vide inter 82, 10, 67, 915, 00 ICICR42025012700001515 27, 01.2025 DFO (Channa south) vide inter 82, 10, 67, 915, 00 ICICR42025012700001515 27, 01.2025 DFO (Channa south) vide inter
27.01.20
Date 11.12.2024 11.12.2024 11.12.2024 11.12.2024 27.01.2025 27.01.2025 27.01.2025 27.01.2025 27.01.2025 27.01.2025 27.01.2025 27.01.2025 27.01.2025 27.01.2025

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Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Annexure-23

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12

Chandragupt OCP undertake that "The all the activities will be carried out as per approved Mine Plan."

MAUN PRAKASH

Divisional Forest Officer West Division, Hazaribag

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Project Officer

Chandragupt Open Cast Project COLECT OFFICER CHANDRAGUPT OPEN CAST PROJECT ASSEMPTION CAST PROJECT
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Top Soil Management

of

Chandragupt OCP

(Normative-15.00/Peak-20.00 MTPA) Project Area- 1495 Ha (North Karanpura Coalfields, Dist: Hazaribagh & Chatra State: Jharkhand)



July 2024

Central Mine Planning and Design Institute Limited Gondwana Place, Kanke Road, Ranch

> CHANDRAGUPT OPEN CAST PROJECT AMRAPULI CHANDRAGUPT AREA, COL



Divisional Forest O West Division, Mazz

1. Project Description:

Chandragupt OCP is a Greenfield opencast coal mining project located in the North Karanpura Coalfields, falling in both Hazaribagh & Chatra districts of Jharkhand. This project is covered in Survey of India Topo-sheet no. 73A/13 and 73E/1, and is bounded between latitude 23°51'30" to 23°54'45" N and longitude 85°01'15" to 85°03'15".

The details of revenue villages falling within the project boundary are as given below:

SI.No	District	Tehsil	Villages	
01	Hazaribagh	Keradari	Badhalkhap, Bukru, Chatti-Bariyatu, Jordag, Nawakhap, Pachra/Pachanda, Peto, Sijhua	
02	Chatra	Tandwa	Usru	

The supervision of the supervisi	Node	Latitude	Longitude
and the second second second	A	23"54'37.00"N	85* 1'36.52"E
and the second second	8	23"54'13.98"N	85° 3'11.60"E
Carlos and a second second	С	23*51'22.45"N	85* 3'11.99*E
	D	23*51'23.49"N	85* 2'5.42"E
	E	23*51*45.80"N	85* 1'50.02"E
	F	23"52'40.52"N	85° 2'3.06"E
	G	23"52'46.74"N	85" 1'24.78"E
Harris Alexander and the second	н	23"53'21.39"N	85" 1'39.11"E
	1	23*53'54.10*N	85* 1'15.39"E
	-		



PRAYECT GENELR CHANDRADAFT GEN CAST PROJECT AMRAPALI-CHURCHAGUET AKEA. CO.

Physiology and Drainage

Climate

The climate is tropical with severe summer. The temperature during summer (March-June) goes as high as 45°C. Summer days are hot with dusty wind, but nights are generally pleasant. The minimum summer temperature is 23°C. The winter (November-February) is cold and the minimum temperature recorded is 2 to 3°C. The average annual rainfall in the district is 1225.6 mm. During the monsoon season June to September the district receives about 85% of the annual rainfall. July is the rainiest month with an average rainfall of 315.7 mm.

Topography

The block is characterized by more or less flat terrain with gentle undulations. The maximum elevation of 500m is observed near borehole no CNKP-88 & CNKP-91. The minimum elevation is about 445m on the bank of the Barki River.

Drainage.

Barki River flowing from Nort-South direction forms the principal drainage within the study area. It flows in the North-South direction and touches the western boundary of the ML area. The Chundru River marks the southern boundary of the block whereas Barki River is the western limit of the boundary at 60m. The study area also shows the presence of the Garhi River. The Barki River and Chundru River are the major tributaries of Garhi River. The southerly flowing Garhi River is the master drainage and perennial source of water for the area. The drainage pattern of the area is mostly dendritic in nature, wherein the smaller stream meets the larger at an acute angle.

3. Present Landuse

Chandragupt OCP is a green-field project, and hence core zone mainly consists of forestland, vegetation and agricultural land. No industrial activity observed in the core zone. The detailed land use pattern as per the remote sensing data is as given below.

	Clusses	Cubetic	Curr	Zeer	Buffer 3	Avive
Lavel-L	Level-II		Area (Km ²)	% of Total	Area (Km ³)	% of Total
in start	Darges Faring Ogest Forest		0.00	(0.00	114,50	20.5
COURSE CARD	Total Fornat Land	and the second second	2.41	and the second se	119,39	37.42
	Scala	-	3.21	21.58	64.164	14.5
	General Personny		9.00	0.00		6.0
Restation	Photos or OB	-	-0.00	A ADDRESS OF TAXABLE PARTY.		60
Area	Photobox on Back58	1	1.00	(2.18)	2.82	80
	Total Plantation Area		8,68	6.04	4.23	0.8
Agriculture	Cogcloud		1.24	\$.29	61.04	12.7
	Finkers Land		6.55	-12.01	137.83	28.5
Laval	Total Agriculture Land		7.62	59,94	198,89	(1.1
Winte Land	trasle Land	1000	8.15	1.00	8,72	1.7
	Stand Endy		0.80	0.03	2.10	- \$4
	Total Watty Land		8.15	1,00	18.32	2.6
	Kosi Caary	in the second second	0.00	0.00	1.05	5.2
	Barren OB Danp	1	0,00	(1.00	1.10	- 0.3
Nining Aria	Datk Ed.	-	(L.HE	41.00	2,55	0.3
sound cours	Cost Davig		0.56			- 6,6
	Water Filled Oty		0.16	0.00	0.30	0.9
_	Tend Milsing Area		8,88	0.90		1.3
	ES-feas SetSevends	-	0.58		An example in the second	0.0
Settlements	Revel Scalicences	1	0.00			
CONTRACTOR .	Interior Sertiments	1	0.02	0.14	3.0	6.6
	Total Settlement Anna		8.48	2.79	2,40	1.5
Water Body	Kiresi Pessis	1	18,16	1.04	1.34	1.7
-	Total Area	-	14,95	1.644.000	479.52	100.0

Table: Landuse Pattern of Study area- Core Zone and Buffer Zone



CHANDRAUGH GEEN CALL PROJECT

4. Soil Quality Status

Soil samples were collected from three identified locations around the study area during study period to generate primary information on soil quality prevailing in the study area. These samples were collected once during the study period and preserved in polythene bags / Pet jar having lock facility. The parameters tested and methodology adopted are as follows:

Sn	Parameter	Unit	Test Method
1	pH		IS:2720 (Part 26)
2	Water Holding Capacity	96	USDA Method
3	Electrical Conductivity	µ5/cm	IS: 14767:2000
4	Available Nitrogen	kg/ha	TP/C/4.7
5	Available Phosphorus	kg/ha	TP/C/4.5
6	Available Potassium	kg/ha	TP/C/4.6
7	Sodium absorption ratio (SAR)	-	S.K. Maithi (Volume 2)
8	Available Organic Carbon	96	IS:2720 (PART 22)
9	Cation exchange capacity	meq/100g	TP/C/4.14
10	Specific Gravity		IS:2720 (PART 3)
11	Field Capacity	%	S.K. Maithi (Volume 2)
12	Wilting Coefficient	9%	S.K. Maithi (Volume 2)
13	Texture		IS:2720 (PART 4)
	a) Sand	%	IS:2720 (PART 4)
	b) Silt	96	IS:2720 (PART 4)
	c) Cay	96	IS:2720 (PART 4)

The detailed observation made for soil quality during the study period is below -

Table: Soil Monitoring at Station S1

Location: Bhadai khap Village Agriculture Land (S1)

	TESTS			
SI. No.		30CM	60CM	90CM
1	рН	6.6	6.2	6.8
2	Elec.Conductivity(µ mhos/cm)	324.6	298.7	267.5
3	Nitrogen Av.(kg/ha)	422.7	378.0	268.6
4	Phosphorous Av. P2O5 (kg/ha)	15.3	11.5	8.7
5	Potash Av. (kg/ha)	286.5	241.2	179.1
6	Organic Carbon (%)	0.62	0.51	0.34
7	Specific Gravity (%)	2.3	2.4	2.5
8	SAR (meq/l)	1.08	1.1	2.5 MANUN PRAKAS
9	WHC (%)	34.6	28.9	Old
10	Field capaicity (%)	14.2	15.9	Bissional Forest West Division, Hazari

11	Wilting Coefficient	0.72	0.67	0.54
12	Grain Size Distribution			
A	Textural Class	Sandy Loam	Sandy Loam	SandyLoam
в	Sand(%)	57.2	55.7	59.1
с	Silt(%)	26.4	32.0	31.6
D	Clay(%)	16.4	12.3	9.3
13	Cation Exchange Capacity (meg/100g)	31.4	29.2	30.5

Table: Soil Monitoring at Station S2

Location: Bhadai khap Village Barren Land (S2)

	TESTS		RESULTS	
Sn		30CM	60CM	90CM
1	pH (1:5)	6.1	5.8	5.5
2	Elec. Conductivity (µ mhos/cm)	307.2	359.7	326.2
3	Nitrogen Av.(kg/ha)	274.1	231.0	144.6
4	Phosphoreus Av. P2O5 (kg/ha)	7.1	5.2	3.8
5	Potash Av.(kg/ha)	193.6	147.7	124.0
8	Organic Carbon (%)	0.31	0.21	0.10
7	Specific Gravity (gra/ce)	2.4	2.6	2.5
8	SAR (meq/l)	1.2	1.3	1.2
9	Water holding Capacity (%)	18.7	19.6	26.5
10	Field capacity (%)	8.6	7.8	6.8
1.5	Wilting Coefficient	0.60	0.57	0.48
12	Grain Size Distribution			
А.	Textural Class	Sandy Loam	Sandy Loam	Sandy toam
8	Sand(%)	58.3	59.4	61.2
C	Silt(%)	31.9	32.8	32.4
n	Clay(%)	9.7	7.8	6.4
13	Cation Exchange Capacity (meq/100g)	20.7	18.1	16.1

Table Soil Monitoring at Station S3

Location: Bukru Village Forest Land (S3)

SI.	TESTS	RESULTS				
No.		30CM	60CM			
1	pH	6.3	6.4	AUNEPRAKA		
2	Elec.Conductivity(µ mhos/cm)	271.3	297.6	262.1		
3	Nitrogen Av.(kg/ha)	308.4	273.2	What of 196 prost DI		
4	Phosphorous Av. P2O5 (kg/ha)	10.4	8.6	Whet Diverson, Hatarit		
5	Potash Av.(kg/ha)	282.5	210.5	186.2		
Ð	Organic Carbon (%)	0.52	0.38	0.27		

PROJECT OFFICER CHANDRACUET OPEN CAST PROJECT AMRAPAL CHANDRAGUET ASEA, CCL

7	Specific Gravity (%)	2.3	2.2	2.3
8	SAR (meq/l)	1.1	1,1	1.0
9	WHC (%)	29.6	28.6	25.7
10	Field capacity (%)	12.3	14.3	12.8
11	Wilting Coefficient	0.66	0.65	0.54
12	Grain Size Distribution			
A.	Textural Class	Sandy Lonm	Sandy Loam	Sandy Ioan
8	Saud(%)	57.2	59.4	58.4
C	Silt(%)	30.0	30,9	35.1
D	Clay(%)	12.7	9.6	6.4
13	Cation Exchange Capacity (mcq/100g)	29.2	25.5	21.9

Table showing Soil Classification

Soil Test	Classification
ρ Η	<4.5 Extremely acidic 4.51–5.50 Very Strongly Acidic 5.51-6.0 Moderately Acidic 6.01-6.50 Slightly Acidic 6.51-7.30 Neutral 7.31-7.80 Slightly Akaline 7.81-8.50 Moderately Alkaline 8.51-9.0 Strongly Alkaline 9.01 Very Strongly Alkaline
Salinity Electrical Conductivity (mmhos/cm) (1ppm = 640 mmho/cm)	Up to 1.00 Average 1.01 -2.00 harmful to germination 2.01 - 3.00 harmful to crops (sensitive to salts)
Nibrogen (leg/ha)	Upto 50 very Less 51-100 Less 101-150 Good 151-300 Better > 300 sufficient
Phosphorous (kg/ha)	Upto 15 Very Less 16-30 Less 31-50 Medium, 51-65 on an Average Sufficient 66-80 Sufficient >80 more than Sufficient
Potassium (kg/ha)	0 -120 very less 120-180 less 181-240 modium 241-300 average 301-360 better >360 more than sufficient

Source Handbook of Agriculture, Indian Council of Agricultural Research, New Delhi *

Rating chart for the soil test data for Organic Carbon

Soil Parameters	Low	Medium	High
Organic Carbon	< 0.50 %	0.50 - 0.75%	> 0.75%
MAUNPRI	KASH	Source: Text Book of	Soll Science by R. K. Me
Divisional Fon West Division		N PROJECT OF	FICER
		CHANE AGENT OPEN	CAST PROJECT

Location	Depth (cm)	pH	Organic Carbon (%)	Available Nitrogen	Available Phosphorus	Available Potassium
Bhadai Khap Village Agriculture Land (51)	0-30	Neutral	Medium	Sufficient	Less	Average
	30-60	Slightly Acidic	Medium	Sufficient	Very Less	Average
	60-90	Neutral	Low	Better	Very Less	Less
	0-30	Slightly Acidic	Low.	Better	Very Less	Medium
Bhadai Khap Välage Barren	30-60	Moderatel; Acidic	Low	Better	Very Less	Less
Land (S2)	60-90	Very Strongly Acidic	Low	Good	Very Less	Less
Bukru Village	0-30	Slightly Acidic	Medium	Sufficient	Very Less	Average
Forest Land	30-60	Slightly Acidic	Low	Better	Very Less	Medium
(53)	60-90	Slightly Acidic	Low	Better	Very Less	Medium

Table: Soil Observation & Classification as per ICAR Soil Classification Standard and rating chart for the soil test data for Organic Carbon

Essential parameters which determine the fertility of the soil are:

pH: The soil pH varies from very strongly acidic to neutral in nature;

Nitrogen: The nitrogen content in the Forest Land (S1) and Agricultural Land (S2) is observed to be in sufficient and better category at all sampling depth whereas in barren land nitrogen varies from good to better.

Phosphorus: The phosphorus content in the Agricultural Land (S1), Barren Land (S2) and Forest Land (S3) is observed to be in less to less category; and

Potassium: The potassium content in the study varies from less to average.

Since the PK values are less in most areas, fertilizer supplements will be required for increasing the agricultural productions.





5. Topsoil Management

5.1 Introduction

Topsoil is that uppermost layer of soil capable of growing and supporting vegetation. Topsoil contains the essential microorganisms, nutrients, organic matter, and physical characteristics necessary to grow and sustain permanent vegetation.

The salvaging, stockulling and re-application of topsoil to be used as growth medium in the rectamation of Internal & External overburden dumps within the mining area is a major environment protection programme. Soil management in opencast mine is necessary to reestablish the stability & productivity of land disturbed due to mining activity.

Two factors influence how topsoil performs as a growth medium. One is the quality of the topsoil and other is the depth of the topsoil. The higher the quality of the topsoil and the greater the depth in relation to the root zone, the better the soil will support healthy plant growth and encourage infiltration.



Fig :- Soil Profile

The factors influence the characteristics of topsoil are climate, vegetation and organic matter, topography and physiography, mineralogical constituents, surface processes, biological activity and human activity.

5.2 Stripping of Lop Soil

Top soil should be stripped only from the area which will be disturbed by Excavation, filling, Infrastructure etc. Approx. 30 cm of top soil is stripped depending upon the soil profile at site. Depth of stripping is determined by taking soil core at several locations.



5.3 Details of Topsoll generation from Chandragupt OCP

Total top soil to be generated is approximately 3.90 MCum and this total volume of top soil will be utilized for concurrent biological reclamation of internal dumps, Embankment and Green belt.

The top soil staked in an area of about 22.48 Ha in initial 15 years upto maximum height of 8m in 3 deck having slope 2H:1V which will be kept in Usru Village on Non-Forest land. Afterward as the mine developed the top soil is directly applied on the area to be reclaimed.

> Divisional Forest Officer West Division, Hazariong

PROJECT OFFICER CHANDRADER CAST PROJECT SHOWAR LOWER CAST PROJECT Top soil so generated will be utilized in embankment, spreading over backfill area and in Green Belt Area. Details are given in below table.

	Ton Call		Top Soli Used (Mcum)	ed (Meum)	
Year/Stage	Removal Plan (Mcum)	Spreading Over Embankment	Spreading Over Backfill Area	Used in Green Belt Area	Total Utilize
Y-1	0.13	0,10	0.00	0.03	0.13
Y-3	0.52	0.10	0.02	0.06	0.18
Y-5	0.83	0.10	0,07	0.06	0.23
Y-10	1.57	0.10	0.17	0.06	0.34
Y-15	2.25	0.10	0.25	0.08	0.43
Y-20	2.75	0.10	1.32	0.08	151
Y-25	3.11	0.10	1.32	0.08	1.51
Y-30	3.47	0.10	2.84	0.08	3.02
Y-35	3.86	0.10	3.09	0.08	3.27
Y-41	3.90	010	3.72	0.08	3.90
Post Closure					
Y.44"	3.90	0.10	3.72	0.08	3.90

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MAUN PRAKASH ILF.S. Divisional Forest Officer West Division, Hazaribag

5.3 Site location

The site should be flat and established proper erosion and sediment control structure such as diversion, berms, dikes, waterways and sediment basin.

Immediately prior to spreading the top soil, loosen the subgrade by disking or scarifying to a depth of at least 100 millimeters to ensure bonding of the topsoil and subsoil.

If sufficient topsoil is available, a minimum compacted depth of a half meter on 3:1 slopes and one meter on flatter slopes is suggested.

Compact the topsoil enough to ensure good contact with the underlying soil, but avoid excessive compaction, as it increases runoff and inhibits seed germination. Light packing with a roller is recommended where turf is to be established.

5.4 Stockpiling

Top Soil will be stacked on the flat horizontal area and where there is no natural drainage. Sediment barrier is provided to retain sediment.

Temporary seeding - protect topsoil stockpiles by temporarily seeding as soon as possible, within 30 days after the formation of the stockpile.

Permanent vegetation - if stockpiles will not be used within 12 months they should be stabilized with permanent vegetation to control erosion and weeds.

As the mine pits expand, there will be more opportunity to strip top soil and apply it directly to area to be reclaimed, thus avoiding topsoil stockpiling. Freshly stripped and placed topsoil retains more viable seed, micro-organisms and nutrients than stockpiled soil. Vegetation establishment is generally improved by the direct return of topsoil and is considered 'best practice' topsoil management.

5.5 Maintenance and inspection

Periodic inspection and maintenance will be required. Make any repairs necessary to ensure the measure is operating properly. Repair and reseed if necessary to control erosion and loss of topsoil. This periodic maintenance procedure applies to either temporary soil stabilization or permanent seeding application

MAUNPI Divisional Forest Office West Division, Hazaribag

CHANDEXGUET OFEN CASI FROJECT AMRAPALECHANDRAGUPT ATEA, CCL



Fig: Proposed Working Plan of Chandragupt OCP showing Location of Topsoil Dump



PAQUECT OFFICER CHANDRADUPT OPEN CAST PROJECT ANRAPALI-CHANDRAGUPT AREA, CCL 5.6 Topsoil Conservation with Grass and Shrub Species

TThe main objectives of topsoil conservation is to minimize soil erosion from wind and water runoff, enhance soil

Grass Species Selection:

- Choose a mix of native grass species suitable for climate, soil type, and rainfall. Here are some
 options based on their characteristics:
 - Fast Establishment: Doob Grass (Cynodon dactylon)
 - Erosion Control on Slopes: Vetiver Grass (Chrysopogon zizanioides)
 - Drought Tolerance: Dichanthium annulatum (Ditch Pal Grass)
- 2. A mix of these will be most suitable combination.
- 3. Planting Techniques:
- Sow the grass seeds directly onto the prepared seedbed following the recommended seeding rate for each species.
- 5. Lightly rake the seeds into the soil to ensure good seed-to-soil contact.
- 5. Apply a thin layer of mulch (straw, hay) to retain moisture and suppress weed growth.

\$.N.	Name of Species	Common Name	Family Name	Habitat	Purpose
t	Cynodon daetylon a	Deob Grass	Posceae	Grazis	Doob grass is a fast-growing, low-growing perennial grass that forms a dense mat, which helps prevent soil erosion. It's well adapted to various soil conditions and tolerates moderate foot traffic.
1	Cyrtococcum patens	Lemon Grass p	Processe	Grass	Its root system can provide some limited stabilization, and it grows relatively quickly.
1	Sacchatum spontaneum	Wild sugarcane	Poscese	Grass	This tall grass grows in large clumps and is native and drought resilient.
Ċ	Cenchrus pedicellatus	Deenanaih Grass	Poaceae	Grass	This Grass is a many- branched leafy annual grass up to 1 m tall which will help in wind crosion and control crosion of soil.
	Dichanthium annulatum	Ditch Pal grass	Poacene	Perennial grass	This is a perennial grass, up to about 25 cm tall and will be suitable for seil erosion control.
	Chrysopogon zizunioides MAUN	Vetiver grass PRAKI nat Forest Colivision, Har	Postcean	peresnial gracs	Vetiver grass (Chrysopogon zizanioides) is an exception with its thin fibrous roots penetrating vertically up to 3– 4 m (Hellin & Haigh, 2002), thus, this grass is an agent of both erosion reduction and ensuring slope stability against shallow landslides

AMRAPINGCHANDRAISUPT AREA, CCL

	Axonopus compressus	Carpet Grass	Porceir	Grass	As a covering mat, it can control erosion and provide some protection against infestation by more noxinas weeds.
5	Dodonnea vircosa	Hop trush	Sepisaloceae	Shruk	These are all shrubs species, which will offer wind protection to soil
6	Clerodendrum infortanatum	Hill glory bower	Laminceae	Perrineal Shrub	
7	Wvedfordia fraticona	Fire flame bush	Lydvacene	Shrub	
8	Cleveslendrum phlomoides	Sage Glory Elower	Laminceae	Shruh	-
9	Vitex negundo	Chaste tree	Lamiscene	Showb	

Additional Considerations:

- Slope Stabilization: For steeper slopes, consider additional erosion control measures like jute mats or wattles alongside the grass cover.
- Long-Term Seeding: If long-term cover is desired, consider incorporating slow-growing, native bunchgrasses alongside the fast-establishing species for a more diverse and sustainable solution.
- Post-Seeding Activities: Once the topsoil is stabilized, plan for future land use. This could
 involve planting trees, shrubs, or crops suited for the revitalized soil.



ST PROJECT CHAND TAREA CCL HANDRANTIN ANIRAP



Date:

Annexure -24(1)

Annexure-24(i)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(i)

Chandragupt OCP undertake that "Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three year with effect from the issue of the Stage-II Clearance in accordance with the approved Plan in consultation with the State Forest Department "

ANDADALLCHANDRAC AREA CCL





Date:

Annexure-24(ii)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(ii)

Chandragupt OCP undertake that "Planting of adequate drought hardy plant species and sawing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved scheme,"

Project Officer Chandragupt Open Cast Project CCL





Date:

Annexure-24(iii)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

MAUN

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), & Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(iii)

Chandragupt OCP undertake that "Construction of check dams, retention /toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved scheme; 1.0

Divisional Forest Officer West Division, Hazaritan

Project Officer Chandragupt Open Gast Project CHANDRAG OF GPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL

Amexure - 24p(iv) CENTRAL COALFIELDS LIMITED A Mini Ratna Company (A Subsidiary of Coal India Limited) OFFICE OF THE PROJECT OFFICER CHANDRAGUPT OCP VTC BHAWAN, HONHE AMRAPALI-CHANDRAGUPT AREA Coal India Limited ally 2027 INDIA A Rohmstow Company www.melech.is

Date:

Annexure-24(iv)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(iv)

Chandragupt OCP undertake that "Stabilize the overburden dumps by appropriate grading/benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 280"

Project Officer Chandragupt Open: Cast Project CRANGRADUCIOEN CAST PROJECT AMERICAL CHANGRADUPT ATEA, COL

MAUN P Divisional Forest Officer West Division, Hazarlbag



Date:

Annexure-24(v)

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12(v)

Chandragupt OCP undertake that "No damage shall be caused to the top-soil and the user agency will follow the top soil management plan."

MAUN P

Divisional Forest Officer West Division, Naturition

Project Officer Chandragupt Open Cast Project CCL THE CASE AND REAL ABREADLY CHEMING HOURT AREA, CTL.



mexure

Office of the Divisional Forest Officer, Chatra South Forest Division, Chatra. Van Bhavan Chatra B-mail :dfo-chatmsouth@gov.in Phone : 8987790213 Letter No. 211

25

Dated



To

The Project Officer, Chandragupt OCP. Ammpali-Chandragupt Area.

Subject: Charging of an lump sum amount of the project cost towards the cost of implementation of the Soll and Moisture Conservation Plan against 699.38 Ha of Forest Land in respect of Stage-I obtained for mining operations of Chandragupt OCP.

Ref: Your Letter No. GM(A-C)/PO CHANDRAGUPT/FC/2024/270 Dated 19.10.2024.

Sir,

Through above mentioned letter, a request has been made that, as per MoEF&CC,GoI Guideline dated 7th June, 2022, in cases where it is not possible for the state to submit the compliance due to delay in preparation and approval of such plan, a lump sum quantum of project cost may be realized from the User Agency and submitted along with the Stage-I compliance.

Accordingly, It has been requested to raise a demand of indicative amount equal to 0.5% of the project cost for implementation of Soil & Moisture Conservation Plan as mandated under the principle approval of the project. The estimated cost of project has been mentioned to be 973.5017 Crore in part A-1(vii) of part-I.

Therefore, it is requested to deposit the indicative lump sum amount of 3s. 4,86,75,085.00 (0.5% of the Project Cost) in CAMPA Account for Soil & Moisture Conservation Plan. The amount should be deposited to CAMPA fund only through e-portal (https://parivesh.nic.in) against 699.38Ha of Forest Land in favour of Chandragupt OCP along with an undertaking for depositing additional amount, if so determined, as per final approval of the Soil and Moisture Conservation Plan.

Sent for further necessary action.

COJECT OFFICER

AWRAPALICHANDRAGUPT AREA, CCI.

PT OPEN CAST PROJECT

ours faithfully

Divisional Forest Officer Chantra South Forest Division, Chatra

MAUN F

Divisional Forest West Division W

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Mon, Nov 04, 2024 04:48 J

nnexure -2

Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal (OSMFCP) portal

From : monitoring-fc@nic.in

Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances

Te : po chandragupta <po.chandragupta@coalindia.in>

Cc : monitoring-fc@nic.in

This is to acknowledge that demand datasis submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below,

Propsal Detail

1. Proposal No.	: FP/JH/MIN/140599/2021
2. Proposal Name	: CHANDRAGUPT OCP
3. Category of the Proposal	1 Mining
4. Date of In-principle	: 09/04/2021

5. Name of the Applicant with Contact Details

Name	: CHANDRAGUPT OCP
Mobile No.	: 8987784169
Email ID	po.chandragupta@coalind
State	: Jharkhand
District	: Chatza
Pincode	: 825321

Eunds Demand Details

1. Compensatory Afforestation	: Rs. 0/-
2. Additional Compensatory Afforestation	: Rs. 0/-
3. Penal Compensatory Afforestation	: Rs. 0/-
4. Catchment Area Treatment	: Rs. 0/-
5. Safety Zone	: Rs. 0/-
6. Additional Charges for protected area	: Rs. 0/-
7. Net Present Value (NPV) 8. Wildlife Conservation Plan	: Rs. 859251274/- : Rs. 194700340/-
9. Soil & Moisture Conservation Plan	Rs. 48675085/-
10. Other Charges1 11. Other Charges2	: Rs.Q/- : Rs.Q/-
Total Amount	: Rs. 1102626699/-

(System Administrator)

*** This is a system generated email, please do not reply. ***

PROJECT OFFICER CHANDRARLET OPEN CAST PROJECT AMERICAL FURNING AND A DAY AND A DOLLAR OCH

MAUN PR I.F.S.

Divisional Forast Officer West Division, Hazaribag



Date-11-12-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank:-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	11026256 99.00	15072581405 99645	UBIN099 6335	ICICR4202412110 0000899	11- 12- 202 4

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guarantor or otherwise.

This certificate is issued at the specific request of the sold customer.

Regards Autrorised Sign

ICICI Bank-Ltd

Ratu Road Ranchi -834001

CHANGRADUPT OPEN CAULT LICEN. AMRAPALICHANOPAGUET AREA, CC.



ICICI Bank Limited Tower, Modi Heights, Shop # 05 & 06 Opp. All Incla Radio Station, Ranchi- 834001, Jharkhand, India

Website www.icicibank.com CIN.: L65190GJ1994PLC021012 Regd. Office : ICICI Bank

Vear Chakli Circle, Old Padra Road, Vadodara 390 007, India,



Date:

Annexure-27

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-12

Chandragupt OCP undertake that "Gap planting and soil & moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located in the area within 100 meter from outer perimeter of the mining lease. The plan for plantation and SMC activities will be prepared and submitted to MoEP&CC at the time of Stage-II Compliance"

Project Officer Chandragupt Open Cast Project CCL

> PROJECT OFFICER CHAMORAGUPT OPEN CAST PROJECT ACTURAL CHANDRACUPT AREA. CCL



Ampexure - 28



Date:

Annexure-28

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(i)

Chandragupt OCP undertake that "The demarcation of safety zone (7.5-meter strip all along the inner boundary of the mining lease area), and its fencing, protection and regeneration by erecting adequate number of 6 feet high RCC boundary pillars inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department will be completed within three months of obtaining Forest Land handover".





Date:

Annexure-29

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(ii)

Chandragupt OCP undertake that "The Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced" within three months of obtaining forest land handover.



Project Off Chandrag Roll Opport Cost Project CHANDRAGUPT OPEN EAST PROJEC AMPAPALICHANDRAGUPT AREA CCL

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Amenne-30



Date:

Annexure-30

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(iii)

Chandragupt OCP undertakes "Maintain a safety zone as green belt around mining lease and to ensure dense canopy in the area, regeneration will be taken up in this area under the supervision of the State Forest Dept" within three months of obtaining forest land handover.

MAUN P

Divisional Forest Officer West Division, Hazaribag

Revierosi Chandraganr Open Bast AMRAPALICHANDRAGHPT AREA

Annexwe-31



Date:

Annexure-31

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-13(iv)

Chandragupt OCP undertakes "safety zone is maintained as per the prescribed norms" within three months of obtaining forest land handover.

Project Officer Chandragunt Open ast Project CHANDRAGUPT OPEN CAST PROJECT AMRARALLCHANDRAGUPT AREA, CCL.



referre -32



Rehabilitation & Resettlement Plan

of



A & C Area Central Coalfields Limited (A Subsidiary of Coal India Ltd) MAUN PRAKASH LES Divisional Forest Officer West Division, Hazaribag

SAMJEEV KUMAR MANAGER CHANORAGOPTA OPENCAST PROJECT DOL, BURDPRIFCHANORAGEPTA AREA

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAFALS CHANDRADUPT AREA, CCL

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1.0 INTRODUCTION

The Chandragupt Opencast project fails within Pachra and Pachra South geological blocks, it is located in the northern part of North Kampura Coalificids and is included in survey of India toposheet no. 73A/13 and 73E/1 in Hazaribagh district of Jharkhand. Pachra Integrated project is bounded between latitude 23051'30" to 23054'45'N and longitude 85001'15" to 85003'15". Area of the Project: 14.95 sq km. The nearest railway station is Ray, which is at a distance of 37 km from the block on the Barkakana-Deluti-on-some loop line of North-Eastern Railways. Tori is another railway station, located south-weat of the block at a crow-fly distance of about 55 km on the above loop line. Coal mining activity has not yet started in these blocks. Mining activity in the adjoining block to the west of Barki River, namely Amrapali OCP is undergoing. The block is covered by different land types viz., forest, tenancy, GMK, GMA and JJ. The normative production of the project is 15.0 MTY of G-11 grade coal. The present report envisages the implementation of project in MDO Mode. This Report is being prepared for the partial fulfilment of making Forest Application for diversion of forest land for mon forest use under Section 2 (ii) of FC Act 1980.

2.0 LOCATION

The Chandragupt Opencast project fails within Pachra and Pachra South geological blocks. It is located in the northera part of North Kanapura Coalfields and is included in survey of India toposheet no. 73A/13 and 73E/1 in Hazaribagh district of Jharkhand. Pachra Integrated project is bounded between latitude 23051*30" to 23054*45"N and longitude 85001*15" to 85003*15". Area of the Project: 14.95 sq km.

Limiting Boundaries of the Projectised Area:

a) Northern Houndary: Incrop of Seam-IB.

b) Southern Boundary: Southern geological block boundary of Pachra South Block.

c) Eastern Boundary: Geological block boundary between Pachra Block and Chatti Bariatu

block and Pachra South Block and Chatti Bariatu South block.

d) Western Boundary: Leaving a surface baarier of 60m from 'Barki River' and along the incrop of Seam IB.

PROJECT OFFICER CHANDRAGUPT OFEN CAST PROJECT LF.S. SÁNJEEV KUMAR Divisional Forest Officer MANAGER West Division, Hazaribichandragupta opuncast project Oci, AMRAPALI-CHANDRAGUPTA AREA

Scannad with Cameronne

3.0 COMMUNICATION

The State Highway No 7 connecting Tandwa with Hazaribugh (40km) via Barkaguen passes 4km south of the block. The SH-7 (starting from Bijapara) is connected to NH-75 (starting from Ranchi).

The Tandwa village is about 92km from Ranchi. However, the block remains isolated from Tandwa during rainy season due to non-existence of bridge over Barki River flowing through the western boundary of the block. The block is approachable during dry season through a kutcha read of about 6km from Kerandari village.

The nearest railway station is Ray, which is at a distance of 37 km from the block on the Barkakana-Dehri-on-sone loop line of North-Eastern Railways. Teri is another milway station, located south-west of the block at a crow-fly distance of about 55 km on the above loop line.

4.0 TOPOGRAPHY, DRAINAGE AND HYDROLOGY

The block is characterized by more or less flat termin with gentle undulations. The maximum elevation of 500m is observed near borehole no CNKP-88 & CNKP-91. The minimum elevation is about 445m on the bank of the Barki River.

The drainage of the block is controlled by the Barki River flowing north to south along the western boundary. There is another small river called Chotki River flowing northeast to south-west that finally join Barki River near borehole no CNKP-174. There are other small nallas flowing across the block that finally join Barki River. The Barki river after meeting with Chundru River near Tantiwa village flows further southwards in the name of Garhi river which is an important teibutary of west to east flowing Damodar river.

5.0 Rehabilitation and Resettlement Programme

PROJECT OFFICER CHANGRAGUPT OPEN CASY PROJECT AMRADNULCPHORORADUPT AREA, COL SANJEEV KUMAR MANAGER CHANDRAGUPTA DPENCAST PROJECT CCL, AMRAPALI-CHANDRAGUPTA AREA

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Limited. As per PR estimated capital for capital outlay in mines for schabilitation for 500 families including cost of house are 5504 . (Ref Appendix A.8.1 of PR)

Estimated capital for capital outlay in mines Village ethabilitation for \$90 familes including cost of human					
Phasing	Upto Target Year				
definition of the	1 K ME	1000			
-	2 nd M	1000			
	3ª vr	1000			
	4th yr	1000			
	5th yr	1504			
	Total Provision	5504			

Rehabilitation process as an ongoing programme designed to restore physical, chemical and biological quality disturbed by the mining to a level acceptable to all concerned. It aims at leaving the area in such a way that rehabilitation does not become a barden to the society after mining operation is over. It must also aim to create as self-sustained ecosystem.

Village wise breakup for 500 families are -



DCL AMARAPALI-CHANDRACUPTA AREA

Carl .	Sino.	Village	District	No. of Families (approx)
-60/	1.	Bukru	Hazaribagh	100
	2	Chattibariyatu	Hazaribagh	50
MAUN PRAK	ASISI	Jordag	Hazaribugh	30
	4	Nawakhap	Hazaribagh	100
Division	5	Pachanda/Pochra	Hazaribagh	100
Woist	6	Sijhua	Hazaribugh	100
	7	Bhadaikhap	Hazaribugh	Nil
	8	Peto	Hazaribugh	Nil
0	9	Ursu	Chetru	20
13			- Total	500
CHANDRAGUPT OPEN (CAST PROJEC	7.	SANJEEV KUMAR MANAGER CHANDRIGUPTA OPENCAST PR	0.170%

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प्रमीद अग्रवाल मण्ड-छ-उर्दर विक्षत Pramod Agrawal Commun Cumiliaruging Director



कोल इण्डिया लिमिटेड COAL INDIA LIMITED AMANARCINA COMPANY Adort of Falls Steeping

"CCAL BERNHON" Promises No. Of SAAIL, Flut No. AF 41 Autor Aree 1A, New Tours, Rejected Kolasta 700 154

2 September, 2028



Foreword

Land is a major resource for any mining project. One of the major challenges of the coal industry is land acquisition and its physical possession. As a natural corollary, rehabilitation and resettlement of villages pose its own challenge.

Coal India Limited and it subsidiary companies spread across eight states of the country, amidst the challenges, are meeting the energy requirement of the country with admirable tenacity.

Coal India believes in mining with a human face and over the years has gained and garnered the confidence and goodwill of the project affected persons (PAPs) with its philosophy of inclusive growth and progressive rehabilitation policies.

Coal India is a socially responsible and responsive company. The company is conscious of the need to protect the regular source of income the small landowners earn out of the land they part with for coal mining operations.

'CIL's Annuity Scheme 2020' is an attempt to strike a judicious balance between meeting the organisation's business goals and ensuring a sustainable source of income to PAPs.

PROJECT OFFICER MAUN PRAKASH LES ANARMALING SCHWART AREADIVISIONAL Forest Officer West Division, Hazaribai

Pramod Agrawal

SANJEEV KUMAR MANAGER CHANDROGUPTA OPENCAST PROJECT CCL AMEAPAILCHANDRAGUPTA AREA

Ph. (Off. : (203) 2324 6611/2334 6622, Fax (2033) 2324 4023 * Enall: chairman.cl@coalindia.in * Wateria : www.coalindia.in

विजय दयाल मिरेडक (सक्तीकी) Binay Dayal Director(Technical)



কাম হাঁটিয়া নিসিটের Coal India Limited

Contral Friday State State and Contral Contral Contral State State

2rd September, 2020



Faraword

With an objective to ensure energy security and curb import bills of the nation, ClL has enviseded to produce 1 Billion Tonne of coal by FY 2024 with participation of all stakeholders.

Land being key resource to coal mining, has vital role to play in meeting above objectives. Taking physical possession of tenancy land is one of the most challenging aspect in operationalization of any coal mining project across the subsidiaries of CIL.

Since inception, Coal India is working on basic philosophy of providing fair compensation to the affected families and making adequate provisions for safeguarding their sustainable income. For small landholding affected families, greater emphasis need to be given for their sustainable income.

Considering the paramount importance of these aspects, concept of alternative option like annulty was also emerged during the Chintan Shivir organised by Ministry of Coal on 17^m & 18^m February 2020 at Kevadia (Gujarat).

CIL's Annuity Scheme 2020 against land is an endeavor to afford a consistent source of earnings to its PAPs while taking care of organizational priorities at the same time.

I take this opportunity to appreciate the efforts put in by Shri A N Goswami, Chief Manager (Mining), Project Monitoring Division, Cit. In framing this Scheme.

Binay Dayal

SANJEEV KUMAR MANAGER CHANDRABUPTA OPENCAST PROJECT DCL, AMHAPALI CHANDRASUPTA AREA

MAUN PRAKASH

Divisional Forest Officer West Division, Hazaribag

PROJECT OFFICER CAMERAGUPT OFEN CAST PROJECT AUSOCAUACINASSOCIALIST ASEA, CCL



Coal India Lumited A MAHAMATHA COMPANY Coal Shawan, 3" Floor, Care 3 New Yown, Rajarbat, Kolkata-700 156. PHONE. 033-2324-6626, FAX:033-3824-6510 Email - mvtswanathan2.cli@coalindla.in WEBS/IE:waw coalindia in CIN - L23109W\$1973GO K02\$864

Hef No. CIL:XI(D):04112:2020: 25592_

Dated 2nd Sept. 2020

To GM (PMD). Coal India Limited. 3nd Floor, New Town. Rejarhat, Kolkata - 700 156.

Dear Sir.

Sub: Minutes of 409* CIL Board Meeting held on 25* August 2020.

Reproduced below is the relevant extracts from the minutes of 609m meeting of Board of Directors of Coal India Limited held on 25* Aug. 2020 at Kolkata with regard to the tollowing iterr

"ITEM NO.409.4 (B)

Sub: CIL Annulty Scheme, 2020 in lieu of direct employment or one-time monetary compensation against land.

- 4.2 Director (Technical) apprised the Board that CIL Subsidiaries were providing employment against land acquired for coal mining projects as per CIL R&R Policy and prevalent State Laws. In order to maintain the profitability of the projects, Subsidiaries are opting for outsourcing of projects which result in reduction in employment opportunity in projects for unskilled workers. Therefore, the scope for providing employment to unskilled project affected persons against land acquired had reduced. To address this issue, it was suggested in a review meeting held on 16th March'20 to explore a suitable alternative mode of land acquisition or to formulate an alternative to employment like annuity. Annuity is an alternative method in lieu of providing employment or one-time monetary compensation in licu of employment as well as maintaining sustainable cash flow to affected families. This also reduces the overall cost to the company by way of reduction in wage cost. He further appriaed the salient fostures of the scheme as under >-
- The Annuity Scheme shall be implemented as an option in lieu of employment claim by the eligible affected family against land acquisition and annuity to be provided as per RFCTLARR Act 2013 to all the affected families. All such entitled Affected Family shall opt for annuity and forgo the Job benefit or one-time monetary compensation in lieu of employment against acquired land by entering into an agreement with project sutionly.

b) For land owner, Annuity will be at the rate of Rs 150/- per docimal of land lost in licu of employment to a minimum of Rs. 2000/- per month subject to a maximum of Rs

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Charge Control CHARGE BUFTA DPINCAST PROJECT Wrest DivisDGL, ANNAPALI CHANDRACUPTA AREA

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MANAGER

PROJECT OFFICER GRANDRACHPT OPEN CASE PROJECT ANRAGALECHUNGTANDER AREA, COM

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30000/- per month for the period of thirty years or life of project whichever is higher with 1 % incremental growth on every year on total annuity or Annual indexation to the Consumer Price Index for Agricultural Labourers over Rs.2000/- whichever is higher.

An affected family whose land or other immovable property has been acquired & possessed by the company and become eligible for employment as per respective State Policy and opt for aznaity in lieu of employment or one-time monetary compensation will get Ra 30000/- per month for the period of Thirty years or life of project whichever is higher with incremental growth as mentioned above.

- c) An affected family may be a non-title helder whose primary source of livelihood was dependant on the land acquired for more than three years prior to the date of acquisition will get Rs 2000/ - per month up to life of the project or 20 years whichever is higher with appropriate indextation to the Consumer Price Index for Agricultural Labourers. and.
- d) Subsidiary Board may be authorised to modify the increment provision of Annuity in view of financial viability and prevailing unique condition of the project provided such modification is not in conflict with prevailing Central/State Law or rules.

This was discussed in CMDs Meet held on 10th July 2020, they had agreed to the scheme and suggested minor modification. After incorporating the modification, the same is placed to the Board for its consideration.

To a another query, D(T) clarified that this is an enabling provision in lieu of providing employment against land sequisition and depending on the observations/suggestion to be received, if required, the scheme would be modified in future.

In view of the above, Board accorded its approval to CIL Annuity Scheme, 2020 in lieu of direct employment or one-time monetary compensation against land as brought out in the agenda note."

This is for your information and to take necessary action please.

Yours faithfully, (M.Viswanathan) **Company Secretary**

SANJEEV KUMAR MANAGER CHANDROGUPTA OPENCAST PROJECT CCL, AMRAPALI CHANERAGUPTA AREA

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT

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MAUN PRAKASH

Divisional Forest Officer West Division, Hazaribag

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Annuity Scheme of CIL, 2020

A. Circumstantial:

Keeping in view the need for more efficient and cost competitive the coal companies are moving towards outsourcing mode instead of departmental mode of operation. This would result in reduction in employment opportunity in the company. Further, in most of the cases of land acquisition, the demand for employment exceeds the employment opportunity available in the mine/ project. As such, the possibilities of providing employment to the land oustees are becoming difficult for the company.

Annuity may be a responsive alternate method in lieu of providing employment as well as maintaining sustainable resource of livelihood to the affected families.

B. Scope:

This annuity scheme shall be implemented in lieu of employment claim by the eligible affected family against land acquisition. All such entitled Affected Family shall opt for annuity and forgo the job benefit or one time monetary compensation in lieu of employment against acquired land by entering into an agreement with project authority.

C. Legal obligation about Annuity:

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As per Second Schedule (See Sections 31(1), 38(1) & 105(3)) of the Right To Fair Compensation And Transparency In Land Acquisition, Rehabilitation And Resettlement Act. 2013 (RFCTLARR Act 2013);

Ouote :

"The appropriate Government shall ensure that the affected families are provided with the following options:

(a) where jobs are created through the project, after providing saitable training and skill development in the required field, make provision for employment at a rate not lower than the minimum wages provided for in any other law for the time being in force, to at least one

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SANJEEV KUMAR MANAGER CHARLOR GUPTA OPENCAST PROJECT OCL. AMARAPALI-CHANDRAGUPTA AREA

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member per affected family in the project or arrange for a job in such other project as may be required; or

(b) onetime payment of five lakhs rupees per affected family; or

(c) Annuity policies that shall pay not less than two thousand rupces per month per family for twenty years, with appropriate indexation to the CPI for Agricultural Labourers'."

Unquote

Therefore, annuity is a legally tenable alternative option in lieu of employment against acquired land.

D. Entitlements for Annuity:

The following category of beneficiaries may opt for Annuity in lieu of Job/ Employment or one time monetary compensation:

- L All land owner whose land is acquired will be eligible for compensation for land as specified in the First schedule of RPCTLARR Act, 2013 or, determined as per the clarification given by MoC vide letter No. 43020/25/2015-PRIW-I dt.04-08-2017 and Letter No.43020/25/2015-PRIW-I dt. 30-03-2018 respectively or, Negotiated Land Value in case of Direct purchase of land whichever is applicable.
- An affected family whose land or other immovable property has been acquired & possessed by the company and eligible for employment as per respective State Policy.
- III. An affected family, may be a non-title holder, whose primary source of livelihood was dependent on the land acquired for more than three years prior to the date of acquisition and stand affected by the acquisition of land, as certified by the State Government authorities.
- IV. The Scheduled Tribes and other traditional forest dwellers who have lost any of their forest rights recognized under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 due to acquisition of land as authenticated by the District Authority of the concerned State Government.

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PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AVERAGAL LONAND PARUPT AREA, COL

SANJEEV KUMAR MANAGER CHARDRAGUPTA OFCNCAST PROJECT CCL AMRAPALI-CHANDRAGUPTA AREA

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Divisional Forest Officer

Wast Division, Hazaribag

E. Benefits to be provided:

Category	Annuity
I. All land owner whose land is acquired will be eligible for compensation for land as specified in the First schedule of RFCTLARR Act, 2013 or, determined as per the clarification given by MoC vide letter No. 43020/25/2015-PRIW-I dL04- 08-2017 and Letter No.43020/25/2015-PRIW-I dt. 30- 03-2018 respectively or, Negotiated Land Value in case of Direct purchase of land whichever is applicable.	Act 2013 is case of land acquired under CBA (A&D) Act or, determined as per the clarification given by MoC vide letter No. 43020/25/2015-PRIW-1 dt.04-08-2017 and Lener No.43020/25/2015-PRIW-1 dt. 30-03-2018 respectively or, Negotiated Land Value in case of Direct purchase of land whithever is applicable. Plus (+) Annuity at the rate of Rs 150/- per decimal of land lost in lieu of Employment subject to minimum Rs. 2000/- per month and maximum of Rs 30000/- per month for the period of Thirty years or life of project whichever is higher with 1 % incremental growth on every year on total annuity or Annual indexation to the Consumer Price Index for Agricultural Labourers over Rs.2000.00/- whichever is higher.
I. An affected family whose land or other immovable property has been acquired & possessed by the company and eligible for employment as per respective State Policy. PROJECT OFFICER PROJECT OFFICER CHANDRADUPT OPEN CAST PROJECT AMERICAN MEMORISORT AREA COL	Or. An affected family whose land or other immovable property has been acquired & possessed by the company and become eligible for employment as per respective State Policy and opt for annuity in lieu of employment or one time monetary compensation will get Rs 30000/- per month for the period of Thirty years or life of project whichever is higher with incremental growth as mentioned above. In case of death of land owner the annuity may be paid to his/her successor/ nominee for the rest period or equally distributed amongst all the successors. Modalities of distribution of annuity amount in case of death of land owner may be determined by the respective Subsidiary Board.
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MAINTELVASH	SANJEEV KUMAR MANAGER CHAMDRABUPTA OPENCAST PROJECT CCL, 1225, POLICHANDRABUPTA AREA

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Category	Annuity
III. An affected family may be a non- title holder, whose primary source of livelihood was dependent on the land sequired for more than three years prior to the date of acquisition i.e. date of notification u/s 9 (1) of CBA (A&D) Act 1957 and stand affected by the acquisition of land, as certified by the State Government authorities.	Not less than Rs 2000/ - per month upto life of the project or 20 years whichover is higher with appropriate indexation to the Consumer Price Index for Agricultural Labourers.
V. The Scheduled Tribes and other traditional forest dwellers who have lost any of their forest rights recognized under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 due to nequisition of land as authenticated by the District Authority of the concerned State Government.	
	ily shall have to opt for annuity and forgo the benefit of an agreement with project authority.

N PROJECT OFFICER CHAMORAGUPT OPEN CAST PREJECT AMRAPALI-CHASIORAGUPT AREA, CCL

MAUN PRAKA Divisional Forest Off West Division, Hazar

SANJEEV KUMAR MANAGER CHANDRAGUPTA OPENICAST PROJECT

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Additional Benefits:

Respective Subsidiary Board may consider the following additional benefits to the Affected Families who opt annuity in lieu of employment keeping in view the financial viability of the project:

- a) Imparting skilled development training or cost of such training.
- b) Group insurance benefits.
- Group Mediclaim benefits.
- d) Special additional incentive to those who opt for and give possession of their land (including home stead land) within one month from the announcement of project specific annuity scheme under this Scheme.

Flexibility:

Subsidiary Board is authorized to modify the increment provision of Annuity in view of financial viability and prevailing unique condition of the project, provided such modification is not in conflict with prevailing Central/State Law or rules.

In case of any circular/guideline issued by Central/State Government regarding annuity in lieu of employment or one time monetary compensation the same would be effective from the date of issue and it will have an overwriting effect on the Annuity Scheme.

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MAUN PRAKASH LES. Divisional Forest Officer West On a con, Hezardbeg PROJECT OFFICER CHANORINOUPT OPEN CAST PROJECT AWRAPKILCHANDENGIPT AREA, CCI

SANJEEV KUMAR MANAGER CHARDRAGEPTA OPENCAST PROJECT CCL AMRAPALI-CRANDRAGUPTA AREA



Date:

Annexure-33

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-14

Chandragupt OCP undertakes that the activities under the R&R plan shall be commenced and implemented as per the R&R Policy of State Government in consonance with National R&R Policy of Government of India. Chandragupt OCP, CCL further undertakes that the activities under the R&R Plan shall be commenced within one year of obtaining forest land handover"

Project C ANRAPALI-CHANDRAGUPT PREA. CCI.

Divisional Forest Officer West Division, Hazariban

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Office of the Principal Chief Conservator of Forests

Van Bhowan, Doranda, Ranchi - 834 002 Email: pccf-ihk@gov.in. Phone No. 0651-2481909

Office order No. 173 dated 2-8 11-2024

Sanction Order of the De-siltation Plan with reference to non-forestry use of 699.38 ha of forest land for Chandragupta Open Cast Mine in favour of M/s Central Coalfields Limited (CCL)

The instant De-siltation Plan (referred to as "the Plan" here in after) has been submitted by M/s. Central Coalfields Limited (CCL) (referred to as "the User Agency or M/s CCL ") in pursuance of the condition number -15 laid by the MoEF&CC vide letter no. 8-24/2023-FC dated 27.05.2024 for the diversion of 699.34 ha (400.96 ha in Chatra South Forest Division and 298.42 ha in Hazaribagh West Forest Division) of forest land for Chandragupt Open Cast Coal mining project in favour of M/s Central Coalfield Limited (CCL).

Condition no. 15 of Stage-1 approval:

The user agency shall prepare a list of existing water tanks and other water bodies located within the five kilometre from the mine lease boundary. This list is to be duly verified by the concerned Divisional Forest officer. The user agency shall regularly undertake desiltation of these village tanks and other water bodies so as to mitigate the impact of siltation of identified ponds and water bodies. A detailed approved plan for desilting desilting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF&CC before stage-II approval".

2. In compliance of the aforesaid conditions laid by MoEF&CC, the User Agency M/s Central Coalfields Limited (CCL) submitted a site-specific Soil & Moisture Conservation Plan for diversion of forest land proposal of Chandragupta Open Cast Mining Project prepared in consultation with the forest officials including DFO, Chatra South and Hazaribagh West Forest Division, the CFs and RCCF, Hazaribagh.

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28.11.2024

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FEGNECI-OFFICER CHANDRAGUPT/OFEN CAST PROJECT AMBRAPALI-CNANDRAGUPT AREA, CCL In the above stated background, the Regional Chief Conservator of Forests, Ranchi (RCCF, Hazaribagh) vide his letter no. 2013 dated 14.11.2024 submitted the Plan to the office of the undersigned for its consideration for sanction.

4. In order to examine the plan prescriptions a communication was issued to the Regional Chief Conservator of Forests, Ranchi, vide this office letter no. 2850 dated 18.11.2024 to arrange a presentation of the plan on 27.11.2024 in the conference hall of the undersigned. The presentation was made by the Project proponent in the presence of Regional Chief Conservator of Forests, Hazaribagh, CF, Chatra, CF, Hazaribagh, DFO, Chatra South and DFO, Hazaribagh West Forest Division. Project Officer, Chandragupta OCP, Nodal Officer CCL/SCOMPL, Shri Hemant Kumar, SIDHA, Dr. Manish Kumar, SIDHA, Ms. Diksha Lakra, SIDHA, Ms. Nikita, SIDHA were also present during the presentation.

5. After deliberation on various provisions of the proposed Plan and the presentation, it was observed that there are 67 ponds in the area under consideration out of which 57 will be desilted under the current existing plan. Out of the total 57 ponds 34 ponds are falling under Hazaribag forest Division and 23 ponds are falling under Chatra South Forest division. For the ease of operation these ponds have been classified under 3 major categories based on the average size of the total surveyed ponds. The first category of ponds have a size of 130 x 70 x 15 feet, the second category of ponds have average size of 86 x 70 x12 feet and third category of ponds have average size of 65 x 60 x 15. In the first category there are total of 22 ponds, in the second category there are 21 ponds and remaining 14 are in the third category. The de-siltation is proposed to be carried out in four cycles. 1st cycle in first year, 2nd cycle in 4th year, 3rd cycle in 7th year and 4th cycle in 10th year.

6. The cost of the proposed 10-year Site-Specific De-siltation Plan with respect to the activities to be carried out by DFO, Chatra South and DFO, Hazaribsgh West Forest Division has been estimated to be Rs. 700.79 lakh. The summary of the proposed interventions (component wise) under the Plan with the objective of conservation of forest resources as also to mitigate the impacts of mining on forests and wildlife is as follows:

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MAUN PRAKAS Divisional Forest Officer West Division, Hazaribag

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CHANDRAGUPT OPEN CAST PROJECT

The summary of the proposed interventions (component wise) under the Plan is as follows:

De-siltation cycle	Plan year	Chatra South Forest Division (Rs.)	Hazaribagh West Forest Division (Rs.)	Total (in Rs.)
1 st cycle	1 st year	42.75	69.71	112.46
2 nd cycle	4 ^m year	51.29	83.65	134.94
3 rd cycle	7 th year	71.81	117.10	188.91
4 th cycle	10 th year	100.53	163.95	264.48
	Total	266.38	434.41	700.79

8. The Plan with a total financial outlay of Rs. 700.79 lakh extends over a period of 10 years and shall be utilized by the Forest Department through the DFO, Chatra South and DFO, Hazaribagh West Forest Division in accordance with the Plan prescriptions.

9. Considering the proposals under the plan submitted by the User Agency and recommendation of the concerned forest officers, sanction is horeby accorded to the instant Plan subject to the following conditions:

(i) That the User Agency shall ensure that its officials/contractors and the work force engaged into mining and allied operations under the Project shall not commit or abet any forest/wildlife offence in their area of operation. They will also promptly report any forest/wildlife offence in the area to the nearest forest office/official. Further, they will extend their full cooperation to the forest officials in control/mitigation of any incident, natural or man -made, detrimental to forest and wildlife in their area of operation.

(ii) That the total amount of Rs. 700.79 lakh (Rupees seven crore seventy thousand only) shall be deposited by the User Agency into CAMPA.

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Divisional Forest Officer West Division, Hazaribag

MAUN PRAKASH

account under the relevant head/sub-head and shall be utilized by the State Forest Department through the DFO, Chatra South and DFO, Hazaribagh West Forest Division as delineated under the Plan, strictly in accordance with the prevailing norms under the Jharkhand Forest Department.

- (iii) That as regards the funds earmarked against activities to be undertaken by the State Forest Department, DFO, Chatra South and DFO, Hazaribagh West Forest Division shall prepare a detailed Annual Plan of Operations (APO) in the beginning of every financial year in respect of the instant Plan following all the rules, regulations, Schedule of Rates etc. issued from time to time by the State Government/ Forest Department. Regional Chief Conservator of Forests, Hazaribagh shall supervise & closely monitor the progress of the activities undertaken by DFO, Chatra South and DFO, Hazaribagh West Forest Division respectively as per the approved APO & funds released under CAMPA.
 - (iv) That the Conservator of Forests, Hazarlbagh and Chatra shall supervise all the activities as per directions issued by the Forest Department from time to time.
 - (v) That the DFO, Chatra South and DFO, Hazaribagh West Forest Division shall carry out the activities under the Plan strictly as per the duly sanctioned APO.
 - (vi) That both the DFOs shall ensure that no violation of duly sanctioned Working Plan of their Forest Divisions takes place during implementation of any of the activities involved in this plan over notified and demarcated forest land.
 - (vii) That the instant Plan is dynamic and be reviewed after 5 years to assess its compatibility with mining and its concurrent reclamation activities and a revised Plan be formulated as per requirement.
 - (viii) That though adequate provisions have been made towards cost escalation in the plan viz. increase in wage rate/ material cost etc., yet the

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CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA CCI

MAUN PRAKASH

Divisional Forest Officer West Division, Hazaribeg

28.1,2024

User Agency shall submit an undertaking to the DFO, Chatra South and DFO, Hazaribagh West Forest Division to the effect that it will deposit extra cost of the plan beyond the cost escalation provision owing to increase in wage rate etc. in due course of time as well as consequent upon revision in the plan, if any, as and when given effect to by the competent authority.

Sd/-Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No.

dated

Copy forwarded to Deputy Director General of Forests (Central), Ministry of Environment, Forest & Climate Change, Integrated Regional Office, Ranchi, Harmu Housing Colony, Ranchi [email: ro,ranchi-mef@gov.in] / Principal Chief Conservator of Forest-cum-Executive Director, Waste Land Development Board, Jharkhand, Ranchi / Additional PCCF, CAMPA along with a copy of the Plan, for information and necessary action.

Sd/-Principal Chief Conservator of Forests, Jharkhand, Ranchi

Memo No. 2930

dated 2-8-11 20 24

Copy forwarded to Regional Chief Conservator of Forest, Hazaribagh / Conservator of Forest, Hazaribagh / Chatra / DFO, Chatra South / Hazaribagh West Forest Division for Information and necessary action.

18.11. 2024 Principal Chief Conservator of Forests, Jharkhand, Ranchi

MAUN PRAKASH LF.S. Divisional Forest Officer West Division, Kazaribag

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CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, COL

Annexure=35



कार्यालय – वन प्रंमडल पदाधिकारी, हजारीबाग परिचमी वन प्रमंडल, वन भवन, हजारीबाग

2 06546-222339, Email- dfo.hazaribashwest@rediffinal.com & dfo-hazaribashwest@igov.in

सेवा में

विनांक / 3/12/24

परियोजना पदाधिकारी, चन्द्रगुप्त ओवसीठपीठ, मीफ्टीठसीठ भवन, होन्हें, पोस्ट–टंबया, जिला–प्रात्त 825321

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 Sannetion Order of the De-Siltation Plan with reference to non-forestry use of 699.38 ha of forest land for Chandragupta Open Cast Mine in favour of M/s Central Coalfields Limited (CCL)

प्रसंग — अगान मुख्य वन संरक्षक, झारखण्ड, रोणी को झापांक 2030 दिनांक 28.11.2024 महाशय,

चपर्युक्त विषयक प्रसंगाधीन पत्र के संबंध में सूचित करना है कि मास्त सरकार पर्यावरण, वन एवं जलवायु परिवर्त्तन मंत्रालय, नई विल्ली का प्रजांक 8-24/2023 FC दिनांक 27.05.2024 द्वारा स्टेज -1 में लगाये गये condition No. 15 of the said letter. The commensurate funds shall be deposited in National Authority prior to Stage-II approval." के अनुपालन में प्रधान मुख्य वन संख्या, डारखण्ड, संयी या कार्यालय आदेश संख्या 173 एवं प्राणांवा 2030 दिनांक 26.11.2024 द्वारा De-Siltation Plan स्वीकृत किया गया है (छाया प्रति संलग्न)।

Name of Division	Deposited amount for Catchment Area Treatment Plan (Rs in akh)
Chatra South Forest Division	266.38
Hazaribagh West Forest Division	434.41
Total :-	700.79

चंचत condition No. 15 के अनुपालन की क्षण में यन प्रमण्डल पवाधिकारी, बतास दक्षिणी यन प्रमण्डल को De-Siltation Plan - 266.38 लाख रूठ एवं इजारीवांग पश्चिमी वन प्रमण्डल को 434.41 रुपछ रूठ की स्वीकृति दी गई है।

जतः अनुरोध है कि वन प्रमण्डल पदाधिकारी, चतरा दक्षिणी वन प्रमण्डल 266.38 लाख एवं हजारीयांग परिवर्मी वन प्रमण्डल को 434.41 लाख रूठ कुल एक 700.79 (in lakh) ई-पेमेन्ट के माध्यम से Ad-loc कैम्पा के खाता में जमा करते हुए चालान की सत्त्यापित प्रति इस कार्यालय में समर्थित करना सुनिश्चित किया जाय साथि अग्रेतर कार्रवाई किया जा सके।

अनुलग्नकः-मधीवत्त।

MAUN PRAKASH 1.5 **Divisional Forest Officer**

West Division, Hazaribag (3

आपका विस्वासी वन प्रमंडल पदाधिकारी हजारीबाग पश्चिमी प्रमंडल

- 24 -

Letter to Laster to Ugers Agency (Chandengapta open east project_CCL 699.38 ha.3)

CHANDR OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA. CCL

Email Alert From System A	dministrator of Online Submi	Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal	es Proposal(OSMFCP) portal
From : monitoring-fc@nic.in Subject : Email Alert From System Proposal(OSMFCP) portal To : po chandragupta <po.ch: Cc : monitoring-fc@nic.in</po.ch: 	 am : monitoring-fc@nic.in act : Email Alert From System Administrator of Online Su Proposal(OSMFCP) portal To : pc chandragupta @coalindia.in> Cc : monitoring-fc@nic.in 	From : monitoring-fc@nic.in Subject : Email Alert From System Administrator of Online Submission and Monitoring of Forests Clearances Proposal(OSMFCP) portal To : po chandragupta <po.chandragupta@coalindia.in> Cc : monitoring-fc@nic.in</po.chandragupta@coalindia.in>	Wed, Jan 22, 2025 04:08 PM
	This is to acknowledge that de Agency have been verified by Nod Detail of Proposal are given below.	This is to acknowledge that demand details submitted by User Agency have been verified by Nodal Officer and found to be correct. Detail of Proposal are given below.	
	Propsal Detail		-ansiel
	1. Proposal No. 2. Proposal Name	: FP/JH/MIN/140599/2021 : CHANDRAGUPT OCP	X
	3. Category of the Proposal	: Mining	West Divisional Forest Officer
	4. Date of In-principle 5. Name of the Applicar	 Date of In-principle : 09/04/2021 Name of the Applicant with Contact Details)
	Name	: CHANDRAGUPT OCP	~
	Mobile No.	: 8987784169	10
	Email ID	, po.chandragupta@coalindi a.in	PROJECT VERTURA
	State District	: Jharkhand - Chatra	

						PERIOD OF CONTRACT
: 825321		: Rs. 1643619381/- : Rs. 0/- : Rs. 0/-	: Rs. 480592000/- : Rs. 0/- : Rs. 0/- : Rs. 0/- : Rs.0/- : Rs.0/- : Rs.0/- : Rs.0/-	: Rs. 2194290381/- mentioned payment after	(System Administrator) ease do not reply, ***	
Pincode	Funds Demand Details	 Compensatory Afforestation Additional Compensatory Afforestation Penal Compensatory Afforestation 	 4. Catchment Area Treatment 5. Safety Zone 6. Additional Charges for protected area 7. Net Present Value (NPV) 8. DE-SILTATION 9. Other Charges1 10. Other Charges2 11. Other Charges3 	Total Amount : Rs. 2194290381/- User Agency is requested to make above mentioned payment after generating challan through the system.	(System Admini (System Admini *** This is a system generated email, please do not reply, ***	[5



Date-27-01-2025

TO WHOMSOEVER IT MAY CONCERN

This is to certify that CENTRAL COALFIELDS LIMITED has made the below mentioned payment from their current account 017505009227 with our bank-

Sr. No.	Benefici ary Name	Amount	Beneficiary accout no	Bene IFSC	UTR	Date
1	JHARKH AND CAMPA	21942903 81.00	15072581405 99331	UBIN099 6335	ICICR4202501270 0001515	27- 01- 202 5

It is clarified that this information is furnished in strict confidence and without any risk and responsibility on our part or on the part of any Bank's officials in any respect more particularly either as guarantor or otherwise.

This certificate is issued at the specific request of the said customer.



ICICI Bank-Ltd

Ratu Road Ranchl -834001

MAUN PRAKASH **Divisional Forest Officer**

West Division, Hazaribag

NCICI Bank Limited Modi Heights, Shop # 05 & 06 Opp. All India Radio Station, Ranchi- 834001, Jharkhand, India

Website www.icicihunk.com CIN: L65190GJ1994PLC021012

Regd. Office : ICICI Bank Tower, Near Chakli Circle, Old Padra Road, Vadadara 390 007, India.

AMRAPHICKI

FIGURES



Date:

Annexure-37

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-15

Chandragupt OCP undertakes that "Regularly monitoring desilting of these village tanks and other water bodies so as to mitigate the impact of siltation of such tanks/water bodies. A detailed approved plan for de-silting of identified ponds and water bodies to be prepared in consultation with forest department and shall be submitted to MoEF& CC before Stage-II approval;

MAUN PRAKA **Divisional Forest Officer** West Division, Hazaribag

Project Officer Chandragupt OppenCast Regiect CHANDRACDELEPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL.



Date:

Annexure-38

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-16

Chandragupt OCP undertake that "The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department. Also, the trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of concerned DFO".

MAUN PRAKASH Divisional Forest Officer West Division, Hazaribag

Project Officer

Chandragupt Open Cast Project



Date:

Annexure-39

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-17

Chandragupt OCP undertake that "The cost of felling of trees shall be deposited with the help of State Forest Department."

Project Officer Chandragupt Open Cast Project

> CELLIECT OFFICER CHANDRAGUPT OPEN CAST PROJECT ANTRACAL CHANDRAGUTT ANTO

MAUN PRAKASH LF.S. Divisional Fotost Officer West Division, Hazaribag



Date:

Annexure-40

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-18

Chandragupt OCP undertake that "Mining will be done in a phased manner after taking due care for reclamation of the mined over area. The concurrent reclamation plan as per the approved mining plan shall be executed by the User Agency from the very first year, and an annual report on implementation thereof shall be submitted to the Nodal Officer, Forest (Conservation) Act, 1980, in the concerned State Government and the concerned Regional Office of the Ministry. If it is found from the annual report that the activities indicated in the concurrent reclamation plan are not being executed by the User Agency, the Nodal Officer or the concern Addl. Principle Chief Conservator of Forests (Central) may direct that the mining activities shall remain suspended till such time, such reclamation activities area satisfactorily executed".

MAUN Divisional Forest Officer West Division, Hazariban

Project Officer Chandragupt Open Cast Project PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJEC AMRAPALI-CHANDRAGUPT AREA, CC



Date:

Annexure-41

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400,96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-19

Chandragupt OCP undertake that "comply with the Hon'ble Supreme Court order on regrassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a timely manner".

MAUN PRA Divisional Forest Officar West Division, Hazaribag

Project Officer Chandragupt Open Cast Project PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, CCL



Date:

Annexure-42

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: - Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) & Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-20

Chandragupt OCP undertake that Period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the rules framed there-under".

MAUN PR **Divisional Forest Officer** West Division, Hazaribag

Project Öfficer Chandragupt Open Cast Project CHANGRAGUPT OPEN CAST CLASS AUTRAPHILICHAND SAGUPT APEA CI





File No.: IA-J-11015/43/2021-IA-II(M) **Government of India** Ministry of Environment, Forest and Climate Change LA Division ***



Dated 02/01/2025



To,			
	Sh. Bhushan Kumar M/s Central Coulfields Limited Darbhanga House, Kutchery Road, Ranchi, Jhari E-mail: moef-parivesh.cel@coalindia.in	hand, 834001	
Subject:	Chandragapt Opencast Coal Mine Project (Central Coalfields Limited, located at Vil Bariatu, Jordag, Nawa Khap, Pachaura - Jharichand-Grant of Environment Clearance	lages: Ursu, Bhadaiki & Peto; District: Ha	hap, Sejhua, Bukru, Chatti
Sir/Madam,	This is in reference to your application (A/)H/CMIN/501930/2024 dated 19/10/2024 a 09/12/2024 seeking for grant of prior Environm of the EIA Notification 2006-and as amended the 2. The particulars of the proposal are as below :	nd subsequent submissi ental Cleanance (EC) to	on of written information on
	 (i) EC Identification No. (ii) File No. (iii) Clearance Type (iv) Category (v) Project/Activity Included Schedule No. (vi) Sector (vii) Name of Project (ix) Location of Project (District, State) (x) Issuing Authority (xii) Applicability of General Conditions 	EC24A0101JII5364 IA-J-11015/43/2021 Fresh EC A I(a) Mining of miner Coal Mining Chandragupt Opener CHATRA, JHARKH MoEF&CC No	IA-II(M) rais ust Coal Mine Project IAND MAUN PRAKASH
1.11.0	Contrast, Plane I and a start strength		Divisional Forest Officiar West Division, Hazaribag

3. M/s Central Coalfields Limited has made an online application vide proposal no. 1A/JH/CMIN/501930/2024 dated 19.10.2024 along with copy of EIA/EMP report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above.

IA/JH/CMIN/501930/2024

PROJECT OFFICER CHANDRAGUPT OPEN CAST PROJECT hergel. AMRAPALI-CHINOBAGUPT AREA. COL 4. The proposed project activity is listed at schedule no. <u>I(a) Mining of minerals, under Category "A"</u> of the schedule of the EIA Notification, 2006 and being approised at Central Level.

5. The instant Proposal was earlier considered by the EAC (Cosl) in its 48th meeting held 28:08:2023 and 8th EAC meeting held on 28:02:2024 and the proposal was returned in its present form. The proposal was further considered in 18th EAC meeting held on 27th November 2024. The MoM for the nume may be seen using the web link: parivesh.nic.in.

Details submitted by the project proponent

6. The project of M/s Central Coalifields Limited is for setting up a new openeast coal mining project in the lease area of 1495 Ha for 20 MTPA capacity located at villages: Unsu, Bhadaikhop, Sejhua, Bukra, Chatti Bariata, Jordag, Nawa Khap, Pachanra & Peto; district: Hazaribagh & Chatra of state Jharkhand.

7. Details of ToR are furnished below:

Date of Application	Details	Date of Accord	ToR Validity
26.05.2021	Online Proposal No. 1A/3H/CMIN/208302/2021; File No. 1A- J-11015/43/2021-IA-II(M)	13.09.2021	4 Years (valid till 12.09.2025)

8. Environmental Site Settings: PP submitted that the project area is covered under Sarvey of India Topo Sheet No. 73A/13 & 73E/1 and is bounded by latitudes 23°51'22.45" N to 23°54'37.00" N and longitudes 85°01'15.39" E to 85°03'11.60" E (WGS-84).

Project site is located in Hazaribagh District, which is a Severely Polluted Area as per CEPI Assessment 2018. However, the project site is not situated in the SPA specified areas of Hazaribagh and PP has submitted a letter from Jiarkhand State Pollution Control Board in this regard. This aspect has also been verified through DSS KML. Hence, Project does not fall in the Critically Polluted Area (CPA)' Severely Polluted Area (SPA), as per CEPI Assessment 2018 by CPCB.

Forest Area: The project involves total 699.38 Ha of forestland the details of the approval obtained for the forestland is as follows:

S. No.	Obtained vide letter No.	Area (in Ha)	Stage I/II	Validity
3	FC issued vide file no.8-24/2023 FC dated 27.05.2024	699.38 Ha	Stage-1	Co-tenninus with the period of the mining leose under the Mines and Minerals (Development and Regulation) Act, 1957

Out of the total forestland, 400.96 Ha of forestland falls in Chatra South District and 298.42 Ha of forestland falls in Hazaribagh West District. PP submitted that there is no broken forest land and there is no violation of Van (Sanrakshan Evam Samvurdhan) Adhimiyam, 1980.

Protected Area: PP submitted that the project is not located within 10 KM of any ESZ/ ESA/ National Park/ Wildlife Sanctuary/ Biosphere Reserve/ Tiger Reserve/ Elephant Reserve/ Tiger Corridor/ Elephant corridor etc and there is no violation of WLP Act. PP has submitted a letter of PCCF dated 16.04.2024 stating that "Chandragopt OCP, CCL does not fall under any notified Corridor, Sanctuary or ESZ".

PP submitted that 21 nos of Schedule-I species have been identified to be present in the study area, as per the baseline study and authenticated list of flora and fauna, namely Asiatic Elephant (Elephas mainus indicus), Indian Pangolin (Manis crassificandata), Sloth Bear (Meluraus ursinus), Jackal (Canis aureus), Jungle Cat (Felis chaus), Small Indian Mongoose (Urva auropunctata), Grey Mongoose (Urva edwardsii), Asian Palm Civet (Paradoxurus hermaphredites), Striped Hyena (Hyaroa hyaena), Porcupine (Hystrix indica), Python (Python molurus), Cobra (Naja naja), Russell's Viper (Daboia russelii) Checkered Keelback (Water Static) (Fowlea piscator), Rat Static (Ptyas mucosus), Monitor Lizard (Varanus bengalensis), Indian Chameleon (Chameleo zeylanicus), Indian flap Shell turtle (Lissenys punctata), etc. A detailed wildlife managementurbian for the yeard and submitted to DPO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO for approval. Consequency) / 24-25/257, dated 24.08.2024 for approval of CW

IA/JH/CMIN/501930/2024

Mine Lease Area: PP submitted that the instant proposal is proposed on 1495 Ha and the said land was acquired under CBA Act. Details of the ML area acquired are as follows:

S, No.	Govt. Order/Notifications as the case may be	Date	Area (ha)
	SO notification 1299 under CBA Act	25.05.2017	1348.78
2	SO notification 4943(E) under CBA Act	14.11.2023	170,72
_	Total		1519,50

The Mine Lease been allotted is for 1519.50 Ha. However, mine plan is prepared by projecting an area of 1495 Ha within the acquired area as per the aforesaid notifications.

9. Method of Mining and Mine Plan & Mine Closure Plan:

 The Mine Plan and Mine Closure Plan of Chandragopt OCP revised as per the directions of 8th EAC Meeting held on 28.02 2024 is approved by the Beard of Directors of M/s CCL on 22 07 2024 in its 541st Meeting.

 Total geographical reserves reported in the mine lease area of 1495 Ha is 700.26 MT. Out of which mineable and extractable reserves are 465.59 MT. Percentage of extraction is 100%.

iii. There are total 9 nos. of working scarns.

iv. The method of mining to be adopted is Opencast mining by fully mechanized method.

v. The life of mine is 41 years.

vi. The total estimated volume of overburden is 928 Meum. Of this 37.53 Meum of OB will be generated during initial 6 years and will be dumped externally in 3 different locations on the coal bearing area. Starting from the 6th year, this external dump will be re-handled into the mine void of Chandragupt OCP.

vii. Land use details:

A. Pre-mining land use

S. no.	Type of Land	Area (Ha)
1	Forest Land	699.38
2,	Agricultural Land	570.26
3.	Grazing Land	0.58
4.	Barren Land	7.72
S	Surface Water Hodies	26.3
5,	Settlement	3.00
7.	Roads/Other Infrastructure	12.88
8,	Tenancy Land, Govt. Land and Religious Places	174.88
	Total	1495

B. Post-mining land use:

S. No.	Type of Land	Agriculture	Plantation	Water Body (Ha)	Public/ Company use (Ha)	Total (Ha)
h.	Quarry Backfilled Area	198.02	880.93	1		1078.95
ž.	Excavated Void	14	26.68	94.77		221,45
3.	Green Belt & Safety Zone	-	112,45	-	+	112.45
4.	Stream Diversin and River	~	•	15,02		15.02
<u>%</u>	Built-up Area		26.44		24.26 MAUN	PRAAA SO 70
δ,	Embankment	+:	16.43	-		al Fördåt Of

West Division, Hazaribag

IA/JH/CMIN/501930/2024

PROJECT OFFICER

		the second se	and the second se	the second s		
7.	Total	198.02	1062.93	209.79	24.26	1495.00

vin. Transportation of coal:

a) la-pit: Combination of in-pit conveyor belt and rear loading of damper.

b) Surface to siding: Bell Convoyor.

c) Siding to loading: Rail (sile loading)

Initially, till the commissioning of pit-head CHP, coal will be dispatched through dedicated coal transportation route to nearby Shivpur railway siding which is at around 8 kms away from the project by tipping tracks.

ix. Details of reclamation:

a) Total Afforestation plan will be implemented covering an area of 1266.63 (includes 198.02 ha agraforestry) ha at the end of mine closure.

b) 1078.95 Ha of internal dump will be covered with plantation and agroforestary of 880.93 Ha and 198.02 Ha respectively.

c) Greenbelt will be developed in an area of 112.45 Ha with the density of 2500 plants per Ha.

d) Δ void of 221.45 Ha at a depth of 40 m to 50 m, is proposed to be transformed into a water body covering 194.77 hectares, while 26.68 hectares will be designated for planting.

e) Plantation of 42.87 hectares is proposed for the CHP land, as well as for the road, initiastructure, and embankments.

10. Baseline Data: Baseline data was generated from 1st March 2022 to 31st May 2022 and 1st March 2024 to 31st May 2024.

11. Details of Water Requirement: The water requirement separted during construction phase is 200 KLD and during the operational phase is 6760 KLD. Source of water proposed to be used is groundwater for which PP has obtained NOC vide Ref No: CGWA/NOC/MIN/ORIG/2024/21001 Dated: 19.11.2024, valid till 18.11.2026 for extraction of 6420 KLD. PP also submitted that Chotki River is proposed for diversion and a detailed study for the same has been done by IIT Roorkee, wherein DPR of stream diversion was prepared and submitted to Water Resource Dept. of Jharkhand, Diversion of Chotki stream was recommended by the Chief Engineer (WRD), Ranchi vide letter no C.E.J. .../645/2022/230 dated 25.04.2023 and forwarded the proposal for issuance of NoC. However, the issuance of NoC is awaited due to the departmental process for "Approval of guidelines for Nata Diversion" is currently in progress.

12. Public Hearing: The proposed project falls in 2 district, namely Hazaribagh District and Chatra District. Hence the PH has been conducted by the PP in both the districts. Details of the same are as follows:

Details of Public Hearing and related issues of Hazaribagh District: The advertisement for Public Hearing of Hazaribagh District was given in Problat Khabar and Himkestan Times Newspapers dated 20.01.2023 for 21.02.2023. The Public Hearing took place on 24.02.2023 at Bazar Tand, Chatti Bariatu Village, Keradari Block, Hazaribagh District, under the chairmanship of Shri Vinod Kemar, District Land Acquisition Officer, Hazaribagh and in the presence of Shri Ashok Kumar Yadav, Regional Officer, Hazaribagh, JSCPCB and Shri. Ashutosh, Representative of Member Secretary, JSPCB Ranchi HQ. It was attended by 314 nos of person and the major issues raised during the PH were related to pollution and damage to environment, degradation of forest land, employment, land authentication, R&R, education, Health, general amenities, loss of livelihood and skill development.

Details of Public Hearing and related issue of Chatra District: The advertisement for Public Hearing of Chatra District was given in Prabhat Khabar and Times of India Newspapers dated 20.01.2023 for 23.02.2023. The Public Hearing took place on 23.02.2023 at Parana Devi Mandap, Urau village, Tandwa Block, Chatra District, under the chairmanship of Shri. Gaurang Maha, District land Acquisition Officer, Chatra and in the presence of Shri. Ashok Kumar Yadav, Regional Officer, JSPCB Hazaribagh and Shri Kumar Gaurav Jain, Representative of Member Secretary, JSPCB Ranchi HQ. It was attended by 196 nos of person and the major issues are related to pollution and damage to environment, degradation of forest land, employment, land authentiantin, R&R, education, Health, general amenities, loss of livelihood and skill development.

Combined Action Plan for Both the Districts as per MoEF&CC OM dated 30.09.2020

IA/JH/CMIN/501930/2024

CHANDRAGUPT OFFICER

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		roposed along with Timeline of Insplementation	Capital Lakhs)	(inRevenue Lakhs)	(inTotal Cost Lakhs)
1	Education			Considered and	
a	caanaranap	lastic Amenitics in 16 schools of 9 villages (Nawakha and Peto of Huzuribagh District and Serandug and Ursa ses, computers, tailets, boundary wall, drinking water, Id	u villages o	(Chatra Dist)	C. Skorsken
	1 ^{al} Year	Deep boring at 5 schools costing 35 lakl (Nawakhap, Chatti Bariatu, Sijhua, Usri Badhaikhap)	15	p	35
		Furniture in 3 schools costing 1 Lakh & Distribution of Utenails for 8 Schools costing 1 Lakh (A Villages)	112	0	2
		Sinart classrooms 10 nos, schools coxiing 20 Laids (Netwakkep, Chetti Bariata, Jordag, Bedhaikhap au Petoj	n a20	ö	20
	2 nd Year	Provision of RO filters at 5 schools with 10 Lakhs. (Nawakhap, Chatti Bartatu, Sijhua, Usry Badhaikhap)		o	10
		Toilets at 5 schools costing 50 Lakhs (Nawakhay Chatti Bariatu, Badhaikhap, Bulau and Peto) an Building renovation of Bukru school 20 lakhs.	d70	0	70
		5 sets of computers to 5 schools costing 10 Laklu (Sijhas, Serandag, Ursu, Balcu and Badhaikhap)	Contraction of the second	0	10
	3 nd Year	Construction of boundary wall at 8 schools costing 4 lakhs.(Jordag, Chatti Baciatu, Sijhua, Bokn, Badhaikhap, Peto, Scraudag and Ursu villages	0	0	40
		Building renovation Pete School costing 10 Lakhs.	10	0	10
	I st to 10 th Y Revenue	carDistribution of Uniforms, books and sports utility materials to 10 no. of schools in 9 villages costing 10 linklis per year for 10 years	900 010	100	001
,				a lundra CR 1	Barry Brotherith
	List of Activ benches etc.	nemities in 12 no. of Anganwadis in nearby 7 villages (floges of Hozaribagh Dist. and Serondag of Chara Dist ities: Toilets, boundary wall, drinking water, Fans, w Distribution of Utensils and floor mats for E) tensils, pla	nying toya, sinife	
	List of Actis benches etc. 1 st Year:	Distribution of Utensils and floor mats for E Augumundis costing 2 Lakhs (All villages) Construction of Toilets for 4 centres 10 Lakhs (CB	j tensils, pla 2 <mark>2</mark> 2		orm, Floor mai
	List of Activ benches etc.	Distribution of Utensils and floor mats for E Angarwadis costing 2 Lakhs (All villores)	J tensils, pli 22 2 10	nying toya, unife	
	List of Actis benches etc. 1 st Year:	Distribution of Utensils and floor mats for E Angaowadis costing 2 Lakhs (All villages) Construction of Toilets for 4 centres 10 Lakhs (CB Serandag and Bulen) Boundary wall and drinking water to 2 centres costing 10 Lakhs (Sijhun, Badhaikhap)	J tensils, pli 2 2 10 10	nying tana, sinifa 0 0	orm, Floor mat 2 10
	List of Activ benches etc. 1 st Year 2 ^{stl} Year 1 st to 10 th Ye (Revenue	Distribution of Utensils and floor mats for E Augurwadis costing 2 Lakhs (All villages) Construction of Toilets for 4 centres 10 Lakhs (CB Serandag and Bukru) Boundary wall and drinking water to 2 centres costing 10 Lakhs (Sijhun, Badhaikhap) Distribution of Uniforms, books and sports utility materials to 10 no. of schools in 9 villages costing 1 lakhs per year for 10 years	J tensils, pla 2 2 2 10 10 10	nying toys, unife 0 0 0 10	orm, Floor mat 2 10 10
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West Division, Hazanibag

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	Activities Prope	sed along with Timeline of Implementation	Capital Lakha)	(inRevenue Lakhs)	(inTotal Cost (in Lakhs)
	Districts		-		
		Distribution of Fruit Bearing saplings 5000 nos ever year under the campaign "Ek Ped Ma ke Naam"wi an estimated Capital Cost of Rs. 7.5 Lakhs /year fi 10 years	ul _o	75	75
ţ		s Ambulance Facilities with Life Support System as acibagh Districts of Jhackhand.	nt Periodic	: Health camps	for PAFs of Both
a.		Ambalance with Basic Life Support System wi nursing ausitance and BP, oxygan monitorin equipment and Oxygan delivery services at Reven Cost Rs. 25.55 Lakhs/ Year for 10 years	He a	255.5	255.5
9	1 st to 10 th Year (Revenue	Transport Ambulance System for nearby villages f 10 years with Revenue Cost Rs. 9.13 Lakhs/ year.	0	91,3	91.3
e,	1 st to 10 th Vea (Revenue	Conducting health camps bi annually with Heal Consultation including check-ups, pathological as and basic medicines Distribution (a) Cost Rs. Lakhs per year for next 10 years	da	100	100
4		Facility Borewells with overhead tank and R.O. System at hup, Bakra and Peto villages of Hazarihugh Dist, and			
a,	I th Year	Construction of Bore wells with OHT at 6 locatio with Capital Cost of Rs. 72 Lakhs	ns 72	0	72
b	2nd Year to 30 Year	Commissioning of RO plants at 6 locations @ capi cost of 50 Lakhs	tal 50	D	50
e,	6th Year to 10th Year	Maintenance of RO Plants till 10th year of mi operation with an estimated revenue cost of Rs. 1. Lakhs per year from 3rd year to 10th year		12	12
5	siltation, carthe Villages: Setu	d rejuvenation of 57 no. of ponds (32 m buffer zone in enthenkment, plantation and grassing on slopes and dag, Kumarang Kalari, Kishampur, Tandwa and Ur Bukru, Badhaikhap, Peto etc. of Hzzaribugh Dist.	d senstor fo su villages	r pisci-culture)	
		Construction of Embankment for 57 ponds in near villages costing Rs. 60.64 Lakhs		D	60.64
	1st to 3rd Year	Planting and grassing on the embankments costi 41.80 Lakhs		ø	41.8
a:		Provision of Acrutor for Pisci-culture for 4 no.	⁰¹ 2.5	0	2.5
8		Ponds costing 2.50 Lakhs	-		
a b	Year (Revenue)	De-siltation and cleaning of Pords once in two year maintenance of embankment and grassing costi 641.06 Laldys over a period of 10 years.	ngo	641.00	641.06
n b 6	Y car (Revenue) Skill developa Nawakhap, Jon and Ucsa villa	De-sillution and cleaning of Ponds once in two year maintenance of embankment and grassing costi 641.06 Laldus over a period of 10 years. nent (Skill development training in various trades i plag, Chatra Bariatu, Silhur, Bukru, Badheikhap an per of Chatra Dist	ng0 Le, Electric ad Peto of J	ian, Wekker, H	IMV, Fitter etc.) c
a b s	Y car (Revenue) Skill developa Nawakhap, Jon and Ucsa villa	De-sillution and cleaning of Pords once in two year maintenance of embankment and grassing costi 641.06 Laldus over a period of 10 years. nent (Skill development training in various trades i alog, Chatti Bariatu, Sijling, Bukru, Badhaikhap an	ngD le, Electric of Peto of 1 i.e. 50	ian, Wekker, H	IMV, Fitter etc.) c

13. EMP Cost: The capital cost of the proposed project is Rs 973.50 Crores and the capital cost for environmental protection measures is proposed as Rs 190.33 Crores. The annual recurring cost towards environmental protection

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measures is 4.71 Cr. The employment generation from the proposed project / expansion is 2068. The details of cost for environmental protection measures is as follows:

S. NO.	Description of Item	Proposed in 1	Lakhs
	a read que a sea a	Capital	Recurring
1	Air Environment	1182.00	245.56
2	Water Environment	1647.00	48.93
4	Land Environment including conservation plan and other*	16204.96	185.00
_	Total	19033.96	471.49

14. Details of Solid and Hazardous Waste: The details of solid and hazardous waste generation along with its mode of incatment/disposal is furnished as below by the PP:

S. No.	Type of Waste	Source	Applicable Rule	Quantity	Disposal
1	Municipal Solid Waste	Township, Administrative Buildings, Canteen and other,	Solid Waste Management Rule 2016	3002.5 kg/day	Biodegradable Waste: Energy or resource recovery by Conventional composting/ vermicomposting/ WTE plant/ Biogas plant etc. Non-Biodegradable Waste: Given to the waste collectors or agency as directed by the local body as per MSW rules, 2016.
2	Hazardeus	Used Oil & Lubricents from HEMM/ Machineries	Hazardous and other Wastes (Management &	30 TPA	Disposed off through MoEF&CC, SPCB, or CPCB Authorized Operator,
3	Wastes	Settled Sludge from ETP	Transboundary Movement) Rules, 2016	1068 kg/day	Disposed off into Landfill through MoEF&CC, SPCB, or CPCB Authorized Operator.
4		Oil & Grease Sludge from ETP	a substantia and a	15 kg/day	Disposed off through MoEF&CC, SPCB, or CPCB Authorized Operator.

15. Power Requirement and details of diversion of Hi-Tension/ Transmission Line: Maximum power demand 1,00,46 kVA. PP submitted that two electricity transmission line of 11 KV & 33 KV are also proposed for diversion in first 5 years. PP submitted that a letter in this behalf was written to the electricity board and the demand draft raised by them has been paid.

16. Plantation: PP submitted that proposed greenbell and safety zone will be developed in 112.45 ha which is about 8 % of the total project area. A 7.5 m wide greenbelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt & Safety zone and green cover as per CPCB/MoEF&CC, New Dethi guidelines. Local and native species will be planted with a density of 1600 trees per hectare in Greenbelt. Total no. of 1,80,000 saplings will be planted and nurtured in 112.45 bectares in 05 years. Total plantation will be carried out in 1266.63 Ha backfilled area, dismantied infra and others.

17. Project Cost: The Capital Cost of project is Ra. 973.50 Crures. The fund for the CSR will be allocated based on 2% of the average net profit of the company for the three immediately preceding financial years or Rs 2.00 per tonne of Coal Production of the previous year whichever is higher. Cost for implementing EMP is submitted to be Rs. 190.33 crures as capital cost and Rs. 4.71 crore as recurring cost per year.

18. R&R Issues: PP submitted that are total 9 villages in the project area. Out of these, 3 villages will be completely settled. PP submitted that there will be 1612 PAFs. Cost of R&R is 215 Crore.

19. Undertaking/ Affidavit: PP vide undertaking dated 19.11.2024 submitted that the information provided in Socia L in PARIVESH, to the Ministry/EAC members and PPT presentation during the EAC meeting to be addeered 7th Docember S1 2024 have no deviation in respect of the proposal no: IA/JII/CMIN/501930/2024 for EC for coal mining having 1495 Ha of ML Aren and espacity of 20 MTPA for Coal Mine Project located at vitlage: Badhaikhap, Bukru, Chatti-Bariyata, Jordag, Nawakhap, Pachra/Pachanda, Peto, Stjhua and Ursu Villages in District: Hazaribagh and Chaira State. Iharkhand State by M/s. Cental Coalfields Limited. Further certified that there are no data entry errors in the information uploaded in

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Intiductiv, JA Chadrane, Mitrosotty of Provinsionment Communication Chemistry, Intiduct Pargment on Observing, and Direct Neural Activity, 4 (2007).

CHANDRAGUPT OPEN CAST PROJECT

PARIVESH system including names/email-id/mobile numbers/address of the project proponent, authorized person, etc. It is also certified that the supporting documents oploaded on PARIVESH portal are correct and duly authenticated by the Authorized Signatory and in case any deviation in data found in any of the documents, the Authorized Signatory shall be held responsible and furthermore, the above said project shall be rejected for grant of EC.

20. Legal issue /Violation: PP submitted that a litigation in Hon'ble High Court of Jharkhand is pending and first hearing date of the case is awaited. PP submitted that a litigation (W.P.(C) No.5493 of 2023) is pending before the Hon'ble High Court of Jharkhand and first hearing date of the case is awaited. The case pertains to Public Hearing held for the project and MoEF&CC is not implemented as a respondent in the matter.

21. Written Submission: Project Proponent has submitted the following in writing:

Points	-	Written	submissions m	ade		
Revised post-mine closure plan		PP submitted the revised post mining land use plan for Chandragupt OCM, wherein, reducing the mine void to be converted into water from 194.77 Ha to 46.31 Ha and increasing the plantation from 26.68 Ha to 175.14 Ha				
Undertaking for diversion of coul imasportation router rehabilitation of houses near the transportation route of Binglat village	1	PP submitted an undertaking that: 1. Steps shall be taken to explore an alternative coal transport route for the project to protect to community along Binglat. 2. Reltabilitating the houses of Binglat near coal transportation route. 3. Rehabilitating the houses of Binglat near coal transportation route.				
Revised timeline for Environmental Control Measures		Capital Cost of Environm A. Air Polluti	follows:	Measures in Lakt		
	S. No.	Pollution Control Measure	Capital Cost	Eaclier Timeline	Revised Timeline	
	L	7 no. Mobile Mist type Sprinkling system within Quarry and Dump	381	4 nos, for initial 5 years and 7 nos, from 6th Year	4 nos. from start o Mine Operation and 7 nos. from 6th Year	
	2.	Black topping road of I kni from Mine to T Junction Binglat	200	list year of mine operation	Prior to Mine Operation.	
	3.	Black topping of Coal transportation Haul road from Mine (Section 1,2 & 3) to CHP	100	3rd year of mine operation	3rd year of mine operation	
	4.	Fixed Mist type sprinkling system on Haul Road for length of around 2.5 km	200			
	5.	Closed crushing and Automated sprinkling system	Covered under CHP Cost	3rd Year of mine operation	3rd Year of mine operation	
	6.	4 no. of Fixed Fog canons for Dust Suppressions at CHP	26			
	7.	Permanent Wind screens at CHP around 500 m	.50		-	
	8.	t no. of Mobile fog canon along CTR from Mine to Amrapali Entry Point	45	From 1st year to		
4	200	Permanent Wind screens on CTR near Binglat village from High level bridge to T-junction around 500 m	50	3rd year of mine operation	Prior to Mine Operation	
10.01	NPI	& bo, of Continuous Ambient Air	130	1st year of mine	Prior to Mine	

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	-	Quality Monitoring System		operation	Operation			
	-	Sub Total (A)	1182					
	B. Water Pollution Control Measures							
	S. No.	Pollution Control Measure	Capital Cost	Earlier Timolino	Revised Timeline			
	11.	ETP of 300 KLD Capacity consisting of Oil and Grease Trap and Settling ponds with recycling arrangement	100	To be Completed during 1st year of mine operation	Prior to Mine Operation			
	12.	STP (1 MLD) with Primary and Biological treatment systems to be provided at Colony and office premises	250	To be Completed during 3rd year of mine operation	To be Completee during 3rd year o mine operation			
	13,	Toe Wall and Garland Drain with Sequential Settling ponds to treat run- off from OB Dump and other industrial Premises	402	As per the Mine development plan	As per the Mine development plan			
	34,	Construction of Sequential Settling ponds to treat mine seepage	250					
	15.	Protection of Surface water bodies including diversion of Chotki Stream and construction of Embaakment	425	As per the Nala diversion plan and mine development plan	As per the Nala diversion plan and mine developmen plan			
	16.	Rooftop Rain water Harvesting at Office and residential buildings	80	To be completed by the 3rd year of	To be completed by the 3rd year of			
	17:	Treated Drinking Water Supply to Colony and Office	80	mine operation	mine operation			
	18.	Installation of Piezometers with Telemetry for monitoring of ground water level	60	To be Completed during 1st year of ntine operation	Prior to Mine Operation			
		Sub Total (B)	1647					
		C. Land	Rectantation					
	19,	Progressive reclamation of degraded land	10844	As per the progressive reclamation plan	As per the progressive reclamation plan			
	20.	Conservation Plan of Schedale-I species (WLMP)	5360.96	To be taken up as per the approved Wildlife Management Plan	To be taken up as per the approved Wildlife			
		Sub Total (C)	16204.96					
		Grand Total (A)+(B)+(C) in Rs. Lakhs	19033.96					
NoC of CGWA	PP o	btained NOC from CGWA vide Ref No 19.11.2024, valid till 18.11.2	CGWA/NO	C/MIN/ORIG/2024/	21001 Dated:			

Deliberations and Observations of the Committee:

22. The Committee noted the following:

i. The instant proposal is a greenfield project for grant of Environment Clearance (EC) for Chandragopt Opencast Coal Mine Project of M/s Central Conffields Limited, located at Villages: Ursu, Bhadaikhap, Sejhun, Bukra, Chatti Bariatur S Jordag, Nawa Khap, Pachanra & Peto; District: Hazaribagh & Chatra; State: Jisarkhand. MAUN PRAKASI

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ii. This proposal has been earlier appraised in 48th EAC meeting held on 28.08.2023 and 8th EAC meeting held on 28.02.2024 and the proposal was returned in its present form. Now the proposal is again placed in 18th EAC meeting held on 27.11.2024 before the EAC for appraisal wherein proponent has submitted point wise reply to the observations of EAC. iii. The EAC took into consideration the project site through KML file on the Google Earth presented by the project groponent along with DSS of the project site on PARIVESH. Project site is located in Hazaribagh District, which is a Severely Pollated Area as per CEPI Assessment 2018. However, the project site is not situated in the SPA specified areas of Hazaribagh and PP has submitted a letter from Jharkhand State Pollation Control Board dated 05.10.2023 in this regard. Hence, Project does not fall in the Critically Polluted Area (CPA)/ Severely Polluted Area (SPA), as per CEPI Assessment 2018.

iv. The total mine lease area is 1495 Ha and it involves forestland of 699.38 Ha. Stage I FC for the forestland was accorded on 27/05/2024. Further, the project is not located within 10 km of any ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve/ tiger corridor/elephant corridor etc. PP also submitted a letter from PCCF dated 16.04.2024, wherein it is mentioned that "Chandragupt OCP, CCL does not fall under any notified Corridor, Sanctuary and USZ."

v. PP submitted that 21 nos of Schedule-I species have been identified to be present in the study area, as per the baseline study and authenticated list of flora and fauna. A detailed wildlife management plan for the study area with budgetary provisions of Rs. 5360.96 Lakhs has been prepared and submitted to DFO for approval. Consequently, the revised wildlife management plan as per the suggestions of DFO was again submitted to DFO vide GM (AC)/PO(Chandragopt)/ 24-25/257, dated 24.08.2024 for approval of CWLW. The DFO has approved the WLCP and has forwarded the same to RCCF for further processing.

vi. Terms of Reference was granted on 13.09.2021. ToR is valid till 12.09.2025.

vii. The Committee deliberated on the Carbon Sequestration Study done by the proponent and is of the opinion that the PP should continue the Carbon Sequestration Study monitoring through MoEFCC institution (cg: ICFRE) for next 3 years including carbon emissions from coal mining.

viii. Committee deliberated on the Ecological Assessment Study conducted for River/ Streams passing through the ML Area. The Committee is of the opinion that a biodiversity conservation plan in the ripatian zone should be prepared and implemented in this regard.

ix. The Committee deliberated on the water requirement for the said project and diversion of any river! nallah, if proposed. PP submitted that the water requirement during construction phase is 200 KLD and during the operational phase is 6760 KLD (peak requirement). Source of water proposed to be used is groundwater for which PP has obtained NOC vide Ref No: CGWA/NOC/MIN/ORIG/2024/21001 Dated: 19.11.2024, valid till 18.11.2026 for extraction of 6420 KLD. PP also submitted that Chotki River is proposed for diversion and a detailed study for the same has been done by IIT Roorkee, wherein DPR of stream diversion was prepared and submitted to Water Resource Dept of Jharkhand. Diversion of Chotki stream was recommended by the Chief Engineer (WRD), Ranchi vide letter no C.E./..../645/2022/230 dated 25.04.2023 and forwarded the proposal for issuance of Not. However, the issuance of NoC is awaited due to the departmental process for "Approval of guidelines for Nala Diversion" incurrently in progress.

The Committee is of the opinion that, the Chetki river should be diverted only after receiving the NoC from Water Resource Department of Jharkhand and no other river or nallah should be diverted.

x. Committee deliberated on the method of transportation proposed for Coal. The Committee is of the opinion that the construction of CHP must be completed within 3 years of grant of EC. Committee also deliberated on the dedicated coal transportation road which shall be used for transportation of coal. It was observed that there are a few houses besides the transportation road. Committee is of the opinion that, these houses shall be either rehabilitated or, if possible the particular road shall be diverted. PP submitted that, the houses besides the road will be rehabilitated and also submitted an undertaking in this behalf. The Committee also opined that plantation should be done on the transportation route and fog canons must be installed to do a suppression.

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xi. The toronated collocated on the Public Hearing and observed that the PH was conducted in two districts, as the project area falls in 2 different districts, i.e., Hazaribagh District and Chatra District. PH in Hazaribagh district was conducted Divertor 20.2023 and major issues raised during the PH in West Diversion.

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both the districts were related to pollution and damage to environment, degradation of forest land, employment, land automatication, R&R, education, Health, general amenities, loss of livelihood and skill development.

The Committee deliberated on the Court Case pending on the project at Hon'ble High Court of Jharkhand, which alleges a defective Public Hearing held for the project. PP submitted that the first hearing of the same is yet to happen and they shall abide by the order of the court.

xii. The Committee deliberated on thimping of OB and is of the opinion that no OB dumping shall be done outside the ML area.

stiil. Committee deliberated on the plantation activities proposed by the PP. PP submitted that the proposed greenbelt and safety zone will be developed in 112.45 ha which is about 8 % of the total project area. A 7.5 m wide greenbelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt & Safety zone and green cover as per CPCB/MoEF&CC, New Dethi guidelines. Local and native species will be planted with a density of 1600 trees per hectare in Greenbelt. Total no. of 1,80,000 saplings will be planted and nativer in 112.45 hectares in 05 years. Total plantation will be also be corried out in 1266.63 Ha backfilled area, dismantled infra and others. The Committee is of the opinion that the final void area as proposed should be reduced and plantation should be accordingly increased. PF submitted that the void of 194.27 Ha, which was supposed to be converted into a water body as per the approved mine plan will be reduced to 46.31 Ha and remaining 148.46 Ha land will be developed with plantation. Committee also suggested for the concurrent plantation plan to be implemented from 1st year onwards.

xiv. Committee is of the opinion that crop compensation shall be given to the farmers in case these is decrease in the production due to the mining activities.

xv. Committee is of the opinion that the proponent must develop an inhouse Environment Management Cell with qualified personnel to make sure the implementation of all the mitigative measures and conditions for the safeguards of the environment.

xvi. Committee deliberated on the revised hudget associated with EMP and Public Hearing and suggested to revise the timeline of the proposed environmental control measures. PP made the necessary changes and submitted the same as part of written submission.

avii. The Capital Cost of project is Rs. 973.50 Crores. Cost for implementing EMP is submitted to be Rs. 190.33 erores as expital cost and Rs. 4.71 erore as recurring cost per year.

aviii. Committee also deliberated on the measures proposed towards the SDGs 2030 and suggested installation of Solar Roof Top Panels and Solar Street Lights as one of the measures towards it.

xix. The Committee deliberated on the baseline data and incremental GLC due to the proposed project and observed that AAQ levels are within NAAQS.

xx. The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components.
xxi. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.

Recommendations of the Committee:

23. Based on the discussions held and the documents submitted, the EAC recommended the proposal of Environment Clearance for Chandragupt Openenst Coal Mine Project (area 1495 Ha having capacity 20 MTPA) by M/s Central Coalfields Limited, located at Villages: Ursu, Bhadaikhap, Sejlua, Bukru, Chatti Bariatu, Jordag, Nawa Khap, Pachanra & Peto; District: Hazaribagh & Chatra; State: Jharkhand under the provisions of EIA Notification, 2006 (as amended), eubject to the compliance of the following specific conditions in addition to the general/Standard EC conditions (Annexare-I).

24. The MoEF&CC has examined the proposal in accordance with the provisions contained a De Invironment Impact 3. Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the EAC hereby accords Environmental Cleanance to M/s. Central Coalfields Limited for Chandragupt Opencies Coal Mine Properties

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(area 1495 Ha having capacity 20 MTPA), located at Villages: Ursa, Bhadaikhap, Sejhua, Bakra, Chatti Bariato, Jordag, Nawa Khap, Pachanza & Peto; District: Hazaribagh & Chatra; State: Jharkhand subject to compliance of the Specific Environmental sufeguard Conditions in addition to the standard EC conditions (Annexure-I).

25. The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

26. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals/elearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

27. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

28. Any appeal against this carvironmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

29. General Instructions:

(i) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vertacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC website where it is displayed.

(ii) The copies of the environmental elearance shall be submitted by the project proponents to the Heads of local bodies, Panchayata and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.

(iii) The project proponent shall have a well laid down environmental policy daly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

(iv) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

(v) Concessing formal data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(vi) The Regional Office of this MoEF&CC shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(vii) Validity of EC is as per the provision of EIA Notification, 2006 and its subsequent amendment.

30. This issue with an approval of the Competent Authority.



AMPAPALI-CHANDRAGUPT OPEN CAST PROJECT AMPAPALI-CHANDRAGUPT OPEN CAST PROJECT Page 12 of 24

Copy To

I. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi.

2. The Secretary, Department of Environment & Forests, Government of Jharkhand, Secretariat, Ranchi.

3. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office, 2nd Floor, Headquarter-Jharkhand State Housing Board, Harmu Chowk, Ranchi, Jharkhand - 834 002,

4. The Chairman, Tharkburd State Pollation Control Board, TA building, HEC complex, PO Dharwa, Ranchi,

5, The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, Bast Arjun Nagar, Delhi - 32,

6. The Chairman, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Morg, New Delhi

7. The Regional Director, Central Ground Water Board, Mid-Eastern Region, 6th& 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road, Dak Banglow, Patna- 800011, Bihar.

8. The District Collector, Hazaribagh & Chatra, Government of Jharkhand.

9. PARIVESH Portal.

Annexure 1

Specific EC Conditions for (Mining (If Minerals)

I. A. Specific Conditions

S. No	EC Conditions
1.1	No mining operations shall be undertaken in Forestland, until Stage - II forestry clearance for 699.38 Ha has been obtained under the provisions of Van (Sanrakshan Evant Sanivardhan) Adhiniyam, Act 1980.
1.2	Project proponent shall abide by the final order of the litigation (W.P.(C) No.5493 of 2023) pending before the Hon'ble High Court of Iharkhand.
1.3	PP shall divert Chotki Nallah only after obtaining NoC from the Water Resource Department of Government of Jharkhand.
1.4	PP shall divert the Chotki Nallah in a manner that its construction for diversion shall be covered in one go without extended period and works plan shall be designed to complete the diversion avoiding Monsoon season (i.e effective working months of non-monsoon season). Embankment height shall be maintained on both side of nallab with sufficient free board upto 3 mts from its HFL.
1.5	PP shall maintain 50 mts width of embankment all along the diverted stream/nallah (Chotki) and shall earry out dense plantation with fruit bearing native species.
	The diversion of Chotki Natlah shall be monitored by RO and complete report with the drone video and satellite imagery shall be submitted to concerned Regional Office of MoEF&CC along with the six monthly compliance report.
1.7	PP should complete the construction of CHP within 02 years from the date of paperor EC and no further extension in this regard will be granted. Till such time, coal shall be dispatched through dedicated coal transportation route to nearby Shivpur railway siding by covered links, which is

S. No	EC Conditions
	about 8 kms away from the mine lease area.
1.8	No river/ nallah other than Chotki nallah shall be diverted.
1.9	Plantation must be done on both the sides of coal transportation road and fog canons must b installed for dust suppression before the commencement of the mining operation.
1.10	PP should continue the Carbon Sequentration Study monitoring through ICFRE for next 3 year including carbon emissions from coal mining. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office and also kept on the well portal of the company.
1.11	PP shall conduct the Ecological Assessment Study for River/ Streams passing through the ML Are through a reputed Government Institution and must prepare and implement a biodiversity conservation plan in the riparian zone. Study report and the plan in this regard must be submitted to the concerned RO. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office and also kept on the web portal of the company.
1.12	Greenhelt and safety zone will be developed in 112.45 ha which is about 8 % of the total project area. A 7.5 m wide greenbelt, consisting of at least 3 tiers around mine boundary will be developed as greenbelt & Safety zone and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 1600 trees per hectare in Greenhelt. Total no. of 1,80,000 saplings will be planted and nurtured in 112.45 hectares in 05 years.
1.13	PP should either explore the possibility to divert the coal transportation read or rehabilitate the houses in Binglat (near the coal transportation route), as committed.
1.14	PP must give crop compensation to the farmers in case there is decrease in the production due to the mining activities. Compliance status in this regard shall be submitted along with the six monthly compliance to the concerned Regional Office.
1.15	No OB damping should be done outside the ML area.
1.16	PP must install rooftop solar panels and encourage the use of renewal sources of energy.
1.17	The budget proposed for PH is Rs 19.23 Crores. The budget proposed shall be kept in a separab account and audited annually. Project proponent shall implement the action plan to address the issues mixed during public hearing within a time frame of 3 years from the date of grant of EC. PI shall submit the progress report regarding the implementation of action plan to concerned RO along with the six monthly compliance report.
1.18	PP shall implement the protective measure proposed in Environment Management Plan (EMP) in a time-bound manner. The budget carmarked for the same is Rs 190.3396 Crores (Capital) and Rs 4.71 crores (recurring) and should be kept in separate accounts and audited annually. The implementation status along with the amount spent with documentary proof shall be submitted to the concerned Regional Office for the activities carried out during the previous year.
MAUN	Second blue, read in the mine shall be provided with permanent water sprinklers, and other reads shall PROMINELY welted with water tankers fitted with sprinklers. Also PP shall install Mist Cannon Dus Suppression Systems (80-100 mirs.) at Coal Stock. Yard to suppress the dust particles.
HICKING DIVISIO	Page 1

S. No	EC Conditions
1.20	Garland drains (2mX3m) of adequate size shall be provided at the top of the benches to arrest discharge and runoff with silt and sediments surging into areas adjoining the periphery of Overburden dump, which will be regularly cleaned before the onset of monsoon every year.
1.21	Check dams shall be constructed at required focations within drains to acrest eroded materials and settling ponds shall be constructed to treat mine discharge water inside the mine block.
1.22	Water harvesting pord shall be created separately to recharging the ground water and usage of project affected families.
1.2.3	Proper profiling of working benches of pits and dumps shall be done to channelize water in garland drains & sumps.
1.24	Waste generated from the domestic use shall be meated in STP and the treated water will be utilized in plantition & greenbelt development. Wastewater from the HEMM washing/ workshop will be treated in ETP. After treatment, water will be reused in washing of HEMM, dust suppression and greenbelt development.
1.25	PP shall make use of advanced computer simulation techniques for design and execution of blasting operation in the mine. PP shall make use of Electronic Delay Detonators for optimal blasting in coal and OB rock to minimize the environmental impacts of blasting such as ground vibration, fly rocks and excessive dust generation.
1.26	PP shall create a "Public Grievance Redressal and Monitoring System" for resolving any issues related to the pollution of mines and complaint has to resolve as soon as possible not beyond 30 days. In this regard, adequate awareness to be spread among the public to address their grievance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to IRO within 3 months. A logbook to be maintained by PP on "Public Grievance Redressal and Monitoring System.
1.27	PP shall install fixed fog cannon (mist spayer) and fixed sprinkler all along the haul road/ CHP, and OB dump till Railway siding is completed. The sufficient number of fog cannons (not less than 10 nos.) with 40 mts jet length shall be installed within 6 months. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB.
.28	PP shall deposit the approved amount as proposed for wildlife conservation plan to the Govt, of Inarkhaust, Forest & Environment Dept. and further consult with State Biodiversity Authority for its CSR activity.
.29	PP shall conduct third party audit of compliance of EC condition at an interval six months and its report shall be submitted to IRO, MoEF&CC.
.30	The status of mine closure activities must be included in every six months compliance report submitted to the state pollution control board and RO of MoEF&CC.
31	PP to install solar lights along the road used for transportation of minerals to avoid the accidents at night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer some within one year.
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	employable with its proper records.
1.33	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India &Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other sees which may have been distarbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, finuna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.
1.34	PP shall conduct feasibility studies for assessment of voids for backfilling of ash and mixing of ash with overburden, taking up backfilling ash and OB mixing activities during operations as well as post closure of mines in line with the Fly Ash Utilization Notification, 2021.
1.35	Proponent shall appoint an Occupational Bealth Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The prevention measures for burns, malarin and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.
1.36	PP to install solar lights along the road used for transportation of minerals to avoid the accidents at night and also carry out its maintenance.
1.37	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located cless to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs most ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.
1.38	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non-compliance or infringement should be reported to the concerned authority.
1.39	Wildlife conservation plan as approved by the competent authority shall be implemented. Additional, budget shall be added in the plan, in case additional measures suggested by state wildlife department. The final Wildlife conservation plan duly approved by the CWLW shall be submitted to RO, MoEF&CC within a time frame of three months from the date of grant of EC and the budget approved by the concerned authority shall be deposited in government account.
1,40	PP shall ensure that all types of plastic waste generated from the plant shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 (as nmended). In pursuant to the Ministry's OM dated 18/07/2022. PP shall also create awareness adong the people working in the project area as well as in its surrounding area on the ban on Single Ove Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the

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S. No	BC Conditions	
	Ministry on 12/08/2021. A report along with photograph on the measures taken shall also be included in the six monthly compliance report being submitted by PP.	
1.41	Four numbers of Continuous Ambient Air Quality monitoring system shall be set up to monitor common/eriteria pollutants from the flue gases such as PM10, PM2.5, SO2, NOX within the lease area in consultation with OSPCB. The monitoring of other locations (at least three locations outside the lease area covering spawind and downwind directions at an angle of 120° cach) shall be carried out manually.	
1.42	PP shall ensure that diesel operated vehicles will be switched over to E-Vehicles in a time bound manner, replace the passenger vehicles to E-vehicle in phased manner. Further, for local movement of officials Centraet of Vehicles deployment shall be awarded to Project affected people and all effects for adopting heavy E-vehicles like Bulkers for ash transportation for short distance subject to availability of such E-vehicle and adequate charging infrustructure in the surrounding area shall be provided. PP shall submit the action taken report to concerned RO with amount spent, photographs (before & after), number of e-vehicles deployed etc. in six monthly compliance report.	
1.43	Digital processing of the entire lease shall be through remote sensing techniques should be done regularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional Office at Bhubaneabwar.	
1.44	R&R shall be not less than the norms prescribed in National R&R Policy 2007/State R&R Policy/CCL Policy whichever is higher.	
1,45	Project proponent is advised to implement the 'lik Ped Maa Ke Naam' Campaign which was launched on 5thJune 2024 on the occasion of the World Environment Day to increase the forest cover across the Country. This plantation drive is other than Green belt development. The action in this regard shall be submitted concerned RO in six monthly report.	

Standard EC Conditions for (Mining of minerals)

L Statutory Compliance.

S. No	EC Conditions
1.1 The project proponent shall obtain forest clearance under the provisions of Forest (Co Act, 1986, in case of the diversion of forest hand for non-forest purpose involved in the pu	
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable,
1.3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. TThe implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
1.4	The project proponent shall obtain Consent to Establish / Operate under the provisions of Act (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board, Committee provide

S. No	EC Conditions	
	start/commencement of mining operations/production	
1.5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority	
1.6	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.	

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions	
2.1	Continuous ambient air quality monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM2.5, SO2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.	
2.2	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notifient vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg. As, Ni, Cd. Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	
23	Transportation of coal, to the extent, if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/min gun/ Fog emmon etc shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as hauf road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	
2.4	The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'hypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	
2.5	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and affied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	
2.6	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side endding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be we record or fitted with dust extractors.	

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2.7	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.

3. Water Quality Monitoring And Mitigation Measures

S. No	e EC Conditions	
3.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) date 25th September, 2000 and as unrended from time to time by the Central Pollution Control Board.	
3.2	The monitoring data shall be uploaded on the company's website and displayed at the project site a a snitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for it compliance.	
3.3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsteau, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.	
3.4	Monitoring of water quality upstream and downstream of river including pons, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	
3.5	Ground water, excluding mine water, shall not be used for mining operations. Raiowater harvesting shall be implemented for conservation and augmentation of ground water resources.	
3.6	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OH dumps to prevent run off of water and flow of sufiments directly into the river and water bodies. Further, dump material shall be properly consolidated/ compacted and accumulation of water over dumps shall be avoided by providing adequate channels for flow of silt into the drains. The drains/ ponds so constructed shall be regularly de-silted particularly before onset of monscon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe of the OB dumps within the mine to check run-off and siltation should be based on the miniful data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.	
1.7	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).	
.8	Industrial waste water generated from CHP, workshop and other waste water, shall be prenedu- collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (Protection) Act, 1986 and the Reise Act Porte under, and as amended from time to time. Adequate ETP /STP needs to be provided.	

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S. No	EC Conditions
3.9	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz, watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.
3.10	The surface drainage plan including surface water conservation plan for the area of influence afflected by the said mining operations, considering the presence of river/rivulet/pond/lake etc, shall be prepared and implemented by the project proponent. The marface drainage plan and/or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP report and with due approval of the concerned State/Gol Authority. The construction of embankment to prevent any danger against inrush of surface water into the mire should be as per the approved Mining Plan and as per the permission of DGMS or any other authority as prescribed by the law.
3.11	The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A rivarine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.

4. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions	
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers angaged in blasting and dritting operations, operation of HEMM etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for esem to be conducted. Progress in usage of such accessories to be monitored.	
4.2	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks noise and air blast etc., as per the guidelines prescribed by the DGMS.	
43	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	

5. Mining Plan

S. No	EC Conditions
5.1	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
5.2	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
53	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act (980.
5.4 MA	INCREMENTATION AND A REAL PROVIDENT OF THE PROPERTY AND A REAL PROVIDENT OF THE PROPERTY AND A REAL PROVIDENT OF THE PROVIDENT OF THE PROPERTY AND A REAL PROVIDENT OF THE PROVI

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	improvements and use of renewable energy.	

6. Land Recalmation

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6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1.50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	
6.2	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in ease it exceeds 40 m, adequate engineering interventions shall be provided for sustemance of aquatic life therein. The remaining area shall be backfilled and covered with thick and alive top soil. Post- mining hand be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	
6.3	The entire excavated area, backfilling, external OB dumping (including top soil) and afforestation plan shall be in conformity with the "during mining"/"post mining" land-use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MOEFCC/RO.	
6.4	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site(s) only and shall not be keps unufilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent crosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The exervated area shall be backfilled and afforested in line with the approved Mine Closare Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self- sastaming. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.	
6.5	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livesteck grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	

7. Green Belt

S. No	EC Conditions
7.1	The project proponent shall take all precautionary measures during mining openation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/enorted in heteration area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.
7,2	Greenhelt consisting of 3-tier plantation of width not less than 7.5 in shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic

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S. No	EC Conditions
	species should be given priority) shall be developed all along the major approach/ coal transportation reads. And Plantation should also be carried out in nearby area with consent of forest department and gram panchayat within 10 km radius with its proper maintanance

8. Public Hearing And Human Health Issues

S, No	EC Conditions
8.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it's RO on six- monthly basis.
8.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mires Rules, 1955 and DOMS circulars. Besides regular periodic health check-ap, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.
8.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
8.4	Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the normal laid down in the R&R policy of the company/State Government/Central Government, as applicable.
8.5	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z- 11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on Inhibitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.

9. Corporate Environment Responsibility

S. No	EC Conditions
9.1	The project proponent shall comply with the provisions contained in this Ministry's OM dated 30/09/2020, as applicable, regarding Corporate Environment Responsibility.
2.0 RUAM	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the covironmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions ind/or illarcholder's/stake holders.
9.3 Woot Div	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the

S. No	EC Conditions
	organization.
9.4	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmanded for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Sis Monthly Compliance Report.
9.5	Self-environmental audit shall be conducted annually. Every three years third party environmental andit shall be carried out.

10. Miscellancous

S. No	EC Conditions
10.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and anfeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
10.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
10.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
19.4	The project propenent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
10.5	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
0.6	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z- 11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area".
0.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
0.8	The project authorities shall inform to the Regional Office of the Addin PRATICA commencement of mining operations.

Divisional Forest Officer West Division, Hazaribag

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S. No	EC Conditions
10.9	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
10.10	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10.11	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.
10.12	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
10.13	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
10.14	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10.15	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
10.16	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardons and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Honble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

MAUN PA Divisional Forent Officer West Division, Ramitbag

IA/JH/CMIN/501930/2024

PROJECT OFFICER CHANGRAGUPT OPEN CAST PROJECT AMRAPALI-CHANGRAGUPT AREA. COL Signed by Sundar Ramanathan Data: 02-01-2025 10-28-36 Reason: Verified and signed



Date:

Annexure-44

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha)&Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-22

Chandragupt OCP undertake that "No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas".

Project Officer Chandragupt Open Cast Project CCL OFFICE TOPEH CAST PROJECT ATTRACTOR ADDA CON NPRAN Divisional Forest Officer Wast Division, Hazaribag

Annexure



Date:

Annexure-45

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-23

Chandragupt OCP undertake that "The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates" within three months of obtaining forest land handover.

Project Officer

Chandragupt Open Gast Project







Date:

Annexure-46

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject:Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-24

Chandragupt OCP undertake that "The layout plan of the mining plan/ proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal.".

MAUN PR **Divisional Forest Officer** West Ohlehm, Planethair

Project Officer Chandragupt Open Cast Project CCL

PROJECT OFFICER CHANORAGUPT OPEN CAST PROJECT AMPRAPALICHMERRAGUPT AREA. CCL.



Date:

Annexure-47

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-25

Chandragupt OCP undertake that "The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government".



Project Officer Chandragupt Open Cast Project CCL

ABANAGUPT OPEN CAST PRO.



Date:

Annexure-48

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject:Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:26

Chandragupt OCP undertake that "No damage to the flora and fauna of the adjoining area shall be caused".

Project Officer Chandragupt Open Cast Project PROJECT OFFICECL, CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA. CCL

Philippine .



Date:

Annexure-49

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha) &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No-27

Chandragupt OCP undertake that "Comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project".

Project Officer Chandragupt Open Cast Project PROJECT OFFICER

> CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA, COL

MAUN PRAKASH LES. Divisional Forest Officer West Division, Hazaribag



Date:

Annexure-50

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:28

Chandragupt OCP undertake that "submit the annual self-compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly".

Divisional Forest Officer West Division, Hezaribad

Project Officer

Chandragupt Open Cast Project Chandragupt Open Cast Project CCL



Annexure-51

Ref.No.GM(AC)/PO(Chandragupt)24-25/

Date:

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha), &Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:29

Chandragupt OCP undertake that "Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife shall be carried with by the State Government and user agency".

MAUN PRAK Divisional Forest Officer West Division, Hazaribag

Project Officer Chandragupt Open Cast Project PROJECT OFFICERCL CHANDRAGUPT OPEN CAST PROJECT AMRAPALI-CHANDRAGUPT AREA. CCL



1-5

Date:

Annexure-52

Proposal No: - FP/JH/MIN/140599/2021 dated 09.04.2021 Project Name: Chandragupt Open Cast Project (699.38 Ha)

Subject: Undertaking in respect of compliance in respect of proposal for seeking prior approval of the Central Government under Section2(1)(ii) of the Van (Sanrakshan Evam Samvadhan) Adhiniyam, 1980 in favour of M/s Central Coalfields Limited for non-forestry use of 699.38 Ha of Forest Land for Chandragupt Open Cast Coal Mining Project in Chatra South Forest Division(400.96Ha)&Hazaribagh West Forest Division(298.42 Ha) in Chatra District and Hazaribagh District of Jharkhand against the Chandragupt Open Cast Project (699.38 Ha).

Undertaking to Condition No:30

Chandragupt OCP undertake that "Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019".

Divisional Forest Officer West Division, Hazzeibig

Project Officer Chandragupt Open Cast Project FRGJECT OFFICECCL CHANDRAGUPT OPEN CAST PROJECT ARRAPALL-CHANSTRAGUPT AREA. CO.