



कार्यालय: वन संरक्षक, प्रादेशिक अंचल, मेदिनीनगर।

Office of Conservator of Forests, Territorial Circle, Medininagar.

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पत्रांक— 279

मेदिनीनगर, दिनांक— 06.06.2025

सेवा में,

प्रधान मुख्य वन संरक्षक—सह—कार्यकारी निदेशक,
बंजर भूमि विकास बोर्ड, झारखण्ड, राँची।

विषय:— लातेहार जिला अंतर्गत बनहरदी कोल ब्लॉक हेतु कुल 515.32 हे० वन
भूमि अपयोजन प्रस्ताव (FP/JH/MIN/147316/2021) के संबंध में।

प्रसंग:— भवदीय का झापांक 919 दिनांक 07.10.2024 एवं वन प्रमण्डल
पदाधिकारी, लातेहार वन प्रमण्डल का पत्रांक 1131 दिनांक 20.05.2025

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संबंध में सूचित करना है कि लातेहार वन प्रमण्डल अंतर्गत बनहरदी कोल ब्लॉक हेतु अधिसूचित वन भूमि 497.02 हे० एवं जंगल झाड़ी वनभूमि 18.30 हे० कुल 515.32 हे० वन भूमि अपयोजन हेतु प्रस्ताव संख्या FP/JH/MIN/147316/2021 प्रस्ताव में भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा 37 बिन्दुओं पर की गयी पृच्छा का बिन्दुवार निराकरण करते हुए मंत्रालय के साथ अनुपालन प्रतिवेदन वन प्रमण्डल पदाधिकारी, लातेहार वन प्रमण्डल द्वारा 07 (सात) प्रतियों में समर्पित किया गया है। संचिका पर क्षेत्रीय मुख्य वन संरक्षक, पलामू, मेदिनीनगर का अनुमोदन प्राप्त है।

अतः प्रयोक्ता अभिकरण द्वारा उपलब्ध कराए गए निराकरण/अनुपालन प्रतिवेदन, वन प्रमण्डल पदाधिकारी, लातेहार वन प्रमण्डल के मंत्रालय एवं Form-A, Part-II में अंकित प्रवृष्टि से अधोहस्ताक्षरी सहमत होते हुए अनुपालन प्रतिवेदन 5 (पाँच) प्रतियाँ इस पत्र के साथ संलग्न कर भेजी जा रही हैं।

अनुलग्नक:— यथोक्त।

विश्वासभाजन

वन संरक्षक,

प्रादेशिक अंचल, मेदिनीनगर।

EDS COMPLIANCE OF BANHARDI COAL BLOCK W.R.T FOREST CLEARANCE

Sr. No.	EDS Compliances raised	Compliances submitted by User Agency	Submission by DFO, Latehar																																																	
1	There are discrepancies in the land use pattern given in online Part-I and those given in approved mining plan. Given land use pattern is not as commensurate with the approved mining plan. The state shall ensure that the proposed land use is commensurate with the mining plan. A comparative analysis of the land use proposed vis-à-vis that in the mining plan shall be accordingly submitted.	It may be noted that as per the approved mining plan approved on 15.07.2021, the total forest land was considered as 517.95 Ha based on the preliminary assessment of land and survey. However, further based on the DGPS survey and detailed land survey, the forest area has been slightly revised to 515.32 ha and accordingly, the present Forest Diversion Proposal has been submitted as per the authenticated land schedule on 30.05.2022 by Divisional Forest Officer Latehar for the total forest land of 515.32 Ha including GMJJ, which has also been a part of approved Environmental Clearance. Accordingly, the diversion of Forest is applied for 515.32 Ha of Forest land. As desired, the comparative analysis of the proposed land use vis-à-vis that in the mining plan are enclosed here under. LAND USE AS PER PROPOSED FOREST DIVERSION vis-à-vis APPROVED MINING PLAN <table><tr><th>Sr. NO</th><th>LAND USE</th><th>TOTAL FOREST IN HA</th><th>TOTAL NON FOREST (HA)</th><th>TOTAL AREA IN HA</th></tr><tr><td>1</td><td>MINING</td><td>96.51</td><td>630.73</td><td>727.24</td></tr><tr><td>2</td><td>SECOND PHASE OF MINING, INTERIM TEMPORARY OB DUMP & GARLAND DRAIN</td><td>352.1</td><td>96.18</td><td>448.28</td></tr><tr><td>3</td><td>HAUL ROAD</td><td>0.99</td><td>9.22</td><td>10.21</td></tr><tr><td>5</td><td>INFRASTRUCTURE, SETTILING POND AND STACK YARD</td><td>3.1</td><td>33.24</td><td>36.34</td></tr><tr><td>6</td><td>SAFETY ZONE</td><td>7.85</td><td>5.58</td><td>13.43</td></tr><tr><td>7</td><td>TOP SOIL STACK YARD</td><td>0</td><td>12.24</td><td>12.24</td></tr><tr><td>8</td><td>UNDISTURBED/MINING RIGHTS FOR UG</td><td>54.77</td><td>164.91</td><td>219.68</td></tr><tr><td></td><td>TOTAL</td><td>515.32</td><td>952.1</td><td>1467.42</td></tr></table> NOTE- An unexplored area of 418.42 Ha within the Project Boundary has been considered for interim temporary surface OB dumping which shall be completely rehandled for future mining activities as per the scheme of Approved Mining Plan. As per condition of Approved Mining Plan, the above-mentioned land will be explored in detail before the commencement of the Mining Operation. <table><tr><th>Sr. NO</th><th>LAND USE</th><th>APPROVED MINING PLAN</th><th>TOTAL AREA IN HA</th></tr></table>	Sr. NO	LAND USE	TOTAL FOREST IN HA	TOTAL NON FOREST (HA)	TOTAL AREA IN HA	1	MINING	96.51	630.73	727.24	2	SECOND PHASE OF MINING, INTERIM TEMPORARY OB DUMP & GARLAND DRAIN	352.1	96.18	448.28	3	HAUL ROAD	0.99	9.22	10.21	5	INFRASTRUCTURE, SETTILING POND AND STACK YARD	3.1	33.24	36.34	6	SAFETY ZONE	7.85	5.58	13.43	7	TOP SOIL STACK YARD	0	12.24	12.24	8	UNDISTURBED/MINING RIGHTS FOR UG	54.77	164.91	219.68		TOTAL	515.32	952.1	1467.42	Sr. NO	LAND USE	APPROVED MINING PLAN	TOTAL AREA IN HA	The land Use plan along with comparative analysis w.r.t Approved Mining Plan has been submitted by User Agency, but area shown below under the approved mining plan is slightly differ from the actual area given in the approved mining plan. Page No. 08 of Chapter-I of approved mining plan may be referred.
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1	MINING	96.51	630.73	727.24																																																
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Praween Arora

IFS

Divisional Forest Officer
Latehar Forest Division


 Praveen Kumar
 I.F.S.
 Divisional Forest Officer
 Latehar Forest Division

		MINING=BACKFILLED AREA IN MINING PLAN (74.9+555.83+96.51) 727.24		
		INTERIM TEMPORARY OB DUMP=	(440.7 +7.58- GARLAND DRAIN)	448.28
		HAUL ROAD	(0.99+9.22)	10.21
		INFRASTRUCTURE, SETTLING POND AND STACK YARD	(0.64+35.70) (7.85+ ROAD DIVERSION-5.58)	36.34 13.43
		SAFETY ZONE		
		TOP SOIL STACK YARD	12.24	12.24
		UNDISTURBED/MINING RIGHTS FOR UG	(54.77+164.91)	219.68
		TOTAL		1467.42
2	The user agency in their justification reported that the mining plan has been approved for 1467.42 ha land whereas the land use details has been furnished by the user agency for an area of 1026.08 ha only. The factual details in this regard needs submission.	In the Form-A, B.2-4 Part (online parivesh-1 portal), the component wise break up has been reverified and the total area is coming out to 1467.42 Ha.		The User Agency has submitted that after reverification the total area is coming out 1467.42 Ha
3	As per the component wise breakdown mentioned in the online Part-I of the proposal, out of 515.32 ha forest land requirement, 352.10 ha forest land is required for Temporary OB Dump & Garland drain & 3.1 ha forest land is for infrastructure, settling pond & Stack yard	It may be noted that proposed interim temporary OB dump is temporary in nature the area earmarked for interim temporary OB dump (352.10 Ha Forest land) is a mineralized Zone and within the mining lease area and shall be mined out in the second phase of mining after rehandling of OB. The complete volume of interim OB dump shall be utilised for backfilling of the mine void area of the pit in the conceptual period as per the approved scheme of Mining Plan. It may be noted that the area earmarked for interim temporary OB dump (352.10 Ha Forest land) is a mineralized Zone and within the mining lease area and shall be mined out in the second phase of mining after rehandling of OB as per the approved Mining Plan. It is imperative to mention that no additional area has been envisaged nor additional land being acquired outside the Mining Lease area. Further, due to high stripping ratio and highly steeping coal seams, OB could not be accommodated within the excavation area during initial five years as it will hamper the mining progress.		The U.A. has submitted that this temporary dump area shall also be mined in the future mining operation in the 2 nd phase of mining. However, the detailed explorations to evaluate actual estimation for finalization of second phase mining in the interim temporary OB dump area, within the mining lease balance portion of coal bearing area of approved mining plan has not been completed. In addition to above it is pertinent to mention here that U.A. has submitted that maximum coal deposit is concentrated in the central

which is a non-site-specific activity. The justification for using such huge area for non-site-specific activities and reason behind not proposing/shifting them on the non-forest land needs submission. The state shall explore to shift the non-site-specific activities on non-forest land.	Accordingly, best feasible efforts envisaged with an optimum year wise deepening of 60m to reach 300 meter in five years to accommodate maximum OB thru internal dumping. Further, the proposed temporary OB dump is thoroughly temporary in nature and being utilized for an interim arrangement with maximum OB dumping thru internal dumping in the mined-out area and the above shall be completely utilized for backfilling of the mine void area of the pit in the conceptual period as per the approved scheme of Mining Plan. Furthermore, the temporary OB dump area shall also be mined in future Mining Operation in the second phase of Mining subsequently after rehandling of temporary OB dump and reclamation & backfilling of the void area of the pit. In addition to above, it is to bring your kind notice that maximum coal deposit is concentrated in the central part and Eastern part of the Mining lease area. Accordingly, Mining activities and detailed exploration works are concurrently planned in the approved Mining Plan, as the coal proving has already been confirmed by Geological Survey of India. Accordingly, the interim temporary dump has been proposed in the western part to commensurate with Mining Production. Detailed exploration in the already mineralized zone as per GSI confirmation of interim temporary OB dump area within the Mining Lease area is under progress for second phase of Mining operation. Accordingly, Mining activities and exploration works are concurrently planned in the approved Mining Plan. Accordingly, the interim temporary dump has been proposed in the western part to commensurate with Mining Production. Furthermore, Infrastructure area, settling pond and stack yard all non-site-specific works are proposed in the metamorphic zone which is least mineralised zone as per the conceptual land use pattern of the approved mining plan considering the barest minimum use of Forest Land.	part and eastern part of the mining lease area. Accordingly mining activities and detailed exploration works are concurrently planned in the approved mining plan and the interim temporary dump has been proposed in the western part to commensurate with mining production. U.A. has submitted exploration proposal on Parivesh Portal. During approval process IRO has raised the query on 19.02.2025 and asked to submit proper justification for further processing of this proposal (FP/JH/SRY/450505/2023) towards the rationale of first applying for diversion and later only for prospecting of the same area. Usually prospecting precedes diversion to confirm site specificity of a forest land diversion proposal. Till date no justification has been received from the user agency.
4 As Schedule-I species have been reported in the area and DFO also mentioned the fragmentation of wildlife habitat, comments of PCCF(Wildlife) and CWLW Jharkhand on the likely impact of the project on the movement of wildlife	The user agency shall abide to all the conditions to be imposed by State Forest Department and PCCF (Wildlife) and shall take all necessary action for implementation of mitigative measures related to Site Specific Wildlife Management Plan or Comprehensive Integrated Wildlife Management plan proposed for the area as deliberated by State Forest Dept. Accordingly, an undertaking in respect to the above is being enclosed as Annexure-A.	User Agency has submitted a letter of undertaking to comply and abide by the condition to be imposed by the Forest Dept. as Annexure-A

Pravesh Kumar

Divisional Forest Officer
Jharkhand Forest Division

in general and particular needs to be furnished on the adequacy of mitigation measures like Site Specific Wildlife Management Plan or Comprehensive Integrated Wildlife Management proposed for the area.		
5 It has been reported that the mining operations could severely compromise the water resources and potentially lead to a water crisis in the future and undermine the functional capacity of streams and cause irrevocable damage to the riverine ecosystem. Therefore, a comprehensive Catchment Area Treatment CAT Plan is essential to mitigate the adverse impacts of proposed mining.	The user agency shall abide to all the conditions to be imposed by State Forest Department and shall take all necessary action for implementation of mitigative measures for the water crisis due to proposed mining activities. Accordingly, a comprehensive Catchment Area Treatment CAT Plan shall be prepared after obtaining Stage-I approval. An undertaking in respect to the above is being enclosed as Annexure-B.	User Agency has submitted an undertaking to comply and abide by the condition to be imposed by the Forest Dept. and shall take all the necessary action for implementation of mitigation measures for the water crisis due to proposed mining activities and accordingly a CAT plan shall be submitted after obtaining Stage-I approval. An undertaking in this regard has been submitted by the user agency as Annexure-B
6 As reported, there are 963 families are displaced due to this project. Therefore, State Government shall submit the status of the R& R plan in this regard.	The R&R Plan along with Land rate compensation has been approved Deputy Commissioner, Latehar and Commissioner, Medininagar on 30.09.2024 based on the recommendation of Project Level R&R Committee meeting held on 9th March 2024 and which was subsequently published in the Local Newspaper in compliance to the RFCTLARR Act 2013. (Copy enclosed). It is further submitted that User Agency shall abide and comply all the conditions and directions of District Administration, Divisional Forest Office and State Forest Dept. Furthermore, the R&R benefits shall also be extended to Forest Dwellers as per the direction of Divisional Forest Office and State Forest Dept.	In view of the query, user agency has submitted that R & R Plan along with land rate compensation has been approved by project level and district level R & R committee.

7	In online Part-II, it has been reported that the proposed forest land is prone to erosion. Therefore, mitigation measures in this regard needs submission.	The user agency shall abide to all the conditions to be imposed by State Forest Department and shall take all necessary action for implementation of mitigative measures for soil erosion. An undertaking w.r.t the implementation of mitigation measures is enclosed as Annexure-C .	User agency has submitted an undertaking w.r.t the implementation of mitigation measures for soil erosion is enclosed as Annexure-C .
8	Since the area has elephant movement, therefore the cases of the Human Elephant conflicts in the districts needs to be looked into, for which deaths of Human and elephants in last five years to be provided. Loss of property and crop damage and compensation given and pending should also be provided.	To be supplemented and provided by DFO Office. Human-Elephant Conflict data for the last five years has been enclosed for your kind consideration please. Copy enclosed as Annexure-D .	Human-Elephant Conflict data for the last five years has been enclosed as Annexure-B .
9	The user agency in their justification reported that in the initial phase, 727.24 Ha shall be utilised for Mining, 12.24 Ha shall be topsoil preservation, 7.85 Ha for safety zone, 10.21 Ha for Haulage Road in mining, 5.58 Ha for road diversion, 35.7 Ha for Mine end infra, 7.58 Ha for garland drain and 219.68 shall be undisturbed considering the presence of coal in	It may be noted that as per GSI (Geological Survey of India) regional exploration data in the interim temporary OB dump area, there is a possibility of presence of more than 150 million tonne of coal reserve approximately. However, the detailed exploration to evaluate actual estimation for finalization of second phase mining in the interim temporary OB dump area, within the mining lease balance portion of coal bearing area of Approved Mining Plan area is under progress as per the conditions of . For detailed exploratory drilling in the Forest area, the user agency has already applied the Exploration & Survey application proposal in Form-C (Proposal No. FP/JH/SRY/450505/2023& dated 03.11.23) through online portal and drilling in the forest area shall be commenced only after obtaining permission presently, the approvals has been recommended by PCCF nodal and State Govt. However, the detailed drilling in the private area is under progress. In the proposed land use plan, it has been mentioned that 96.51 Ha area is coming under forest out of proposed 727.24 Ha mining area. Accordingly, proposed Land use map (Appendix-1) along with component wise KML (Appendix-2) are being submitted.	The justification submitted by user agency explains the adequate coal reserve and the project is site specific as per G.S.I. report, but U.A. has not submitted the detail of exploration report on private area i.e. non forest area as well as on the forest area. During processing the proposal No. FP/JH/SRY/450505/2023 few queries have been raised by IRO on 19.02.2025. U.A. has not submitted reply till date. In the absence of exploration data, it is difficult to ascertain site specificity of a forest land for diversion. Pravesh Chavwal, JFS Divisional Forest Officer Lahar Forest Division

Underground mining method. The balance coal bearing area of 440 Ha shall be utilised for extraction of coal in the second phase as per the condition mentioned in the approved mining plan, presently earmarked for temporary OB dump, which shall be re-handled before commencement of mining in this area. However, the minable reserve in the 440 Ha land has not been given. Further, the status of land (forest & Non-forest land) involved in the first phase of mining comprising 727.24 ha land needs submission along with supporting maps, kml etc.  Praveen Kumar Divisional Forest Officer Laterite Forest Division Final EDS Banharli Coal Block Revised Page 6 of 19	<u>JUSTIFICATION OF LOCATING THE MINING AREA, OB DUMP & OTHER ANCILLARY ACTIVITIES IN FOREST AREA.</u> The component wise land use plan has been prepared as per approved mining plan where 727.24 ha (96.51 Ha Forest area) has been mentioned as quarriable area and mining will be continued for 30 years, as per approved mining plan. This 96.51 Ha Forest land and 630.73 Ha Non-Forest land is mineralized. Considering mining is a site-specific activity, accordingly as per the barest minimum only 96.51 Ha Forest area has been envisaged and shall be used for mining. It may be noted that the area earmarked for interim temporary OB dump (352.10 Ha Forest land) is a mineralized Zone and within the mining lease area and shall be mined out in the second phase of mining after rehandling of OB as per the approved Mining Plan. It is imperative to mention that no additional area has been envisaged nor additional land being acquired outside the Mining Lease area. Further, due to high stripping ratio and highly steeping coal seams, OB could not be accommodated within the excavation area during initial five years as it will hamper the mining progress. Accordingly, best feasible efforts envisaged with an optimum year wise deepening of 60m to reach 300 meter in five years to accommodate maximum OB thru internal dumping. Further, the proposed temporary OB dump is thoroughly temporary in nature and being utilized for an interim arrangement with maximum OB dumping thru internal dumping in the mined-out area and the above shall be completely utilized for backfilling of the mine void area of the pit in the conceptual period as per the approved scheme of Mining Plan. Furthermore, the temporary OB dump area shall also be mined in future Mining Operation in the second phase of Mining subsequently after rehandling of temporary OB dump and reclamation & backfilling of the void area of the pit. In addition to above, it is to bring your kind notice that maximum coal deposit is concentrated in the central part and Eastern part of the Mining lease area. Accordingly, Mining activities and detailed exploration works are concurrently planned in the approved Mining Plan, as the coal proving has already been confirmed by Geological Survey of India. Accordingly, the interim temporary dump has been proposed in the western part to commensurate with Mining Production. Detailed exploration in the already mineralized zone as per GSI confirmation of interim temporary OB dump area within the Mining Lease area is under progress for second phase of Mining operation. Furthermore, Infrastructure area, settling pond and stack yard over 36.34 Ha (3.1 Ha Forest+33.24 Ha Non-Forest) are all non-site-specific works which have been proposed in the metamorphic zone which is least mineralized zone as per the conceptual land use pattern of the approved mining plan considering the barest minimum use of Forest Land.
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	Haul Road over 10.21 Ha (0.99 Ha in Forest Land+9.22 Ha in Non- Forest land) has been proposed as per the approved mining plan. This Road will be used for transportation of mining machineries and will be used for transportation of ore from pit mouth to different desired location and also be utilized for transportation of overburden & waste material for OB Dumping, Hence for all ancillaries activities, the above haul road will be utilized. As per the approved Mining Plan, 219.68 Ha land (54.77 Ha Forest+164.91 Ha Non-Forest) has been earmarked for Underground mining and accordingly be proposed to be kept as an undisturbed area considering the future mining operation at later stage. Furthermore, 13.43 Ha area of Safety Zone (7.85 Ha Forest+5.58 Ha Non-Forest) has been envisaged in the Mining Lease Boundary as per the applicable mining standard operating procedures to ensure safety in Mining Operation and shall not be used for any mining or ancillary activities and shall be kept undisturbed & only be utilized to develop greenbelt within mining lease area. Similarly, the Topsoil dump is completely envisaged in the non-forest area of 12.24 Ha in the non-mineralized zone and shall be only utilized for plantation within Mining lease area.	
10	It may be clarified whether the 219.68 ha land which has been proposed to be kept as undisturbed area will be utilized for mining or otherwise.	User Agency has stated that 219.68 ha land presently earmarked to be remained undistributed area & proposed for underground mining in future.
11	It has been reported that the minable reserve of the Banhardih Coal Mine (1467.42 ha) is 270.81 Million Tons out of which the extraction of 250.50 Million Tonnes of Coal is envisaged from the quarriable area of 727.24 ha for 30 years of mining period. Hence, reason behind keeping the balance	The land use plan has been prepared as per approved mining plan where it has been mentioned quarriable area of 727.24 ha for 30 years of mining period. In addition to above the area, 448.28 Ha out of 740.18 Ha is in the rich mineralised zone, accordingly, earmarked for second phase of mining and shall be utilised for interim temporary OB dump. Further, it may be noted that the area earmarked for interim mining lease area and shall be mined out in the second phase of mining after rehandling of OB as per the approved Mining Plan. It is imperative to mention that no additional area has been envisaged nor additional land being acquired outside the Mining Lease area. Further, due to high stripping ratio and highly steeping coal seams, OB could not be accommodated within the excavation area during initial five years as it will hamper the mining progress. Accordingly, best feasible efforts envisaged with an optimum year wise deepening of 60m to reach 300 meter in five years to accommodate maximum OB thru internal dumping. It is difficult to justify the statement given by user agency in the absence of exploration data. Further it is submitted that as per statement made by U.A. in Para-3.1.10 of Chapter-3 (Page No.-13) an area of around 418.42 Ha of land has been identified within the bloc area for temporary external dumping in the planned period. The area is yet to be covered under detailed exploration however, known to be coal bearing from the existing Geological information. This dump will be completely re-handled at the end of the planned period and made


 Divisional Forest Officer
 Banhardih Forest Division

740.18 ha area of land in the project/lease needs clarification. Further, the proposed land use details along with legal status of land involved in the 727.24 ha & 740.18 ha area needs submission.	The balance area of 291.90 Ha shall be utilised as per the conceptual land use plan for stack yard, road, infrastructures etc. Which are essential for mining activities. Accordingly, as per approved mining plan the ancillary activities have been shown in the proposed land use map. As far as legal status is concerned, the total 1467.42 Ha the section 11 (under CBA A&D) has been issued and published by Ministry of Coal on 15.06.2021 for 1042.73 Ha & 01.01.2024 for 424.69 Ha respectively.	available for future mining if found potential subsequent to the detailed exploration. The area will be explored in detail before commencement of mining operation. The legal status of land involved in the 727.24 ha & 740.18 ha has been given in Para No.-1
12 The user agency in online Part-I reported the method of mining as Opencast whereas in their justification reported 219.68 ha area shall be used for underground mining. Therefore, the method of mining in the project needs clarification and if the method of mining is underground in that case, approved copy of 3-D subsidence prediction plan/report needs submission.	It is clarified that as per the approved Mining Plan the present extraction of coal of 250.50 million shall be using open cast mining method for 30 years upto 300-meter depth. Subsequently, underground As per the approved Mining Plan, 219.68 Ha land has been earmarked for Underground mining and accordingly be proposed to be kept as an undisturbed area for future mining. As directed, the User Agency shall submit the underground mining plan along with approved copy of 3-D subsidence prediction plan/report at the time of commencement of underground mining after the closure of opencast mine. An undertaking related to the above said matter is enclosed Annexure-E.	User Agency has stated that underground mining plan along with approved copy of 3-D subsidence prediction plan/report shall be submitted at the time of commencement of underground mining after the closure of opencast mine and an undertaking in this regard has been given as Annexure-E. It is pertinent to mention here that as per chapter-2 Para-2.1.4 of the mining plan "Total area projectised in the mining plan is 1467.42 ha. Out of the total project area liquidation plan has been conceptualised in an area of 1049 ha which is covered under detailed exploration, while another 418.42 ha has been projectised towards fulfilling the need of temporary external dump. This additional area will be subjected to detailed exploration before the commencement of mining operation and liquidation plan for this area will be submitted to Ministry of Coal before commencement of the Mining Operation.
13 The copy of approved truck disposal plan shall be submitted. <i>Private</i> <i>Divisional Forest Officer</i>	The user agency shall abide to all the conditions to be imposed by State Forest Department and shall take all necessary action for implementation of mitigative measures. An undertaking related to the above said matter is enclosed as Annexure-F.	User agency has submitted an undertaking as Annexure-F.

14	A map along with KML file's showing the component wise/purpose wise utilisation of the proposed forest land, including the components proposed to be undertaken on the Non-forest land shall be uploaded on PARIVESH.	As desired, the proposed Land use map and KML (Appendix-3) is enclosed in USB Drive.	Submitted by the user agency but the KML file does not match with the proposed land use map.
15	The proposed area is a part of the catchment area of Nawatoli nala and other rivulets (tributes of Auranga River). Further, it has been mentioned by the DFO that with the advent of open cast mining operation in the area, many streams arising from the adjoining hills and forests will be compromised in entirely and entire fragile ecosystem can get adversely affected by water crisis a few years down the line. A detailed justification by the State for the instant proposal in view of above needs submission.	The user agency shall abide to all the conditions to be imposed by State Forest Department and shall take all necessary action for implementation of mitigative measures. An undertaking related to preparation and implementation of mitigative measures for the catchment area of Nawatoli nala and other rivulets (tributes of Auranga River) is enclosed as Annexure-G .	User agency has submitted an undertaking as Annexure-G .
16	As per DSS analysis, the proposed forest land	The tanks/reservoir that are found within the Mining lease hold area shall be mined out as the said area is falling within the mineralized zone area and evicted during the	User agency has submitted an

is having presence of tanks/reservoir and seasonal nallah. Therefore, the State shall submit the detail of mitigation measures in this regard along with the NOC / permission from the concerned department.	course of Mining. Further, the User agency shall study the 10km buffer zone area and shall take necessary action to create new pond/waterbodies/ tank including renovation of the surrounding water bodies to mitigate the loss of water bodies/tank within the lease hold area in consultation with State Forest Department, An undertaking in this respect is enclosed as Annexure-H.	undertaking as Annexure-H.
17 As per DSS analysis Shape file/ KML file of forest land proposed for diversion is found 503.568 Ha (software calculated) instead of 515.32 ha as per the online proposal. Therefore, correct KML file of the proposed forest land shall be uploaded/updated.	As desired, the Modified KML (Appendix-4) has been enclosed in USB Drive.	User agency has submitted modified KML file but as per the modified KML file the total area is coming out more than 515.32 ha and also village wise forest and JJ land area does not match with land schedule submitted by U.A. for diversion.
18 The satellite imagery shows the presence of Agriculture land, Settlements, Construction of new Road, plantation work and numerous earthen dams/ponds within the forest land proposed for diversion. This needs clarification. Pravesh Kumar Joint Forest Officer	As per approved Mine plan, Gross Geological Reserves up to a depth of 1200 meter is 1372.21 Million Tons. Gross Geological Reserves up to 300-meter depth is 446.18 Million tons. Net Geological Reserves up to a depth of 1200 meter is 1234.98 Million Tons. Net Geological Reserves upto 300 meter depth is 401.56 Million tons. Mineable reserve is 270.81 Million Tons (Mineable reserve estimated for the quarriable sector up to a depth range of 300 meter only). Corresponding extractable Reserve is 250.50 Million Tons (Extractable reserve estimated for the quarriable sector up to a depth range of 300 meter only). Considering, mining activity is fundamentally a site-specific process. If the coal reserves located beneath forest land areas are excluded, mining becomes un viable & impractical. As a result, the project would not only become unfeasible but would also lead to a considerable loss of national wealth. M/s Patratu Vidyut Utpadan Nigam Limited (PVUNL), a joint venture between NTPC Limited and Jharkhand Bijli Vitran Nigam Limited having Banhardih Coal Block for captive to their 2400 MW proposed power plant at Patratu.	The U.A. has submitted clarification & agreed to mitigate the adverse impact of mining the user agency will implement all the mitigative measures in consultation with state forest department.

		Power is among the most critical components of infrastructure, crucial for the economic growth and welfare of our nation. The existence and development of adequate power infrastructure is essential for sustained growth of our Indian economy. The fundamental principle of India's power industry has been to provide universal access to affordable power in a sustainable way. Therefore, the national economy will gain to the extent of several crores by the way of electricity generation, wages payable to direct and indirect employees. Further to mitigate the adverse impact of mining the user agency will implement all the mitigative measures in consultation with state forest department. Hence presence of Agriculture land, Settlements, Construction of new Road, plantation work and numerous earthen dams/ponds within the forest land proposed for diversion may be considered for the profit of the nation and society.	
19	As per the DSS analysis, most of the proposed CA patches are affected with the encroachment of Agriculture land and having dense forest cover and seasonal nallah passing through them and in some of the proposed CA patches plantation work has already been carried out. Therefore, the State Govt. shall propose the CA sites which are suitable for plantation and are free from all sorts of encroachment and encumbrances.	It has been re-examined and the assessment with respect to CA land in conjunction with the site inspection report by DFO Latehar and team of Regional Office, Ranchi led by Dy. Inspector General of Forest, it is suggested to slightly revise the Compensatory Afforestation land in order to reduce the presence of Moderate Dense Forest patches as mentioned in the DSS Analysis Report. Accordingly, the Patches for Compensatory Afforestation land have been slightly revised in consultation with DFO office, Latehar and revised Maps and land details are submitted with for kind consideration, please. Further, as informed by Forest Department the encroached patches in degraded forest land have been deliberately identified, selected, and finalised by the Forest Department for Compensatory Afforestation so that the encroachment in the said area shall be evicted during the course of plantation under the approved CA scheme.	Based on the DSS analysis, the previously finalised CA land has been inspected by IRO and after site inspection by regional office, Ranchi, the patches of CA land have been revised and replaced. The Copy of maps w.r.t revised CA land are enclosed as Annexure- L. It is further mentioned that the encroached patches in degraded forest land are seasonal for agriculture purposes and shall be evicted during the course of plantation.
20	As per the DSS analysis, out of 1095.056 ha forest land proposed for CA, 222 ha of land is characterized with Moderately Dense	It has been re-examined and the assessment with respect to CA land in conjunction with the site inspection report by DFO Latehar and team of Regional Office, Ranchi led by Dy. Inspector General of Forest, it is suggested to slightly revise the Compensatory Afforestation land in order to reduce the presence of Moderate Dense Forest patches as mentioned in the DSS Analysis Report. Accordingly, the Patches for Compensatory Afforestation land have been slightly	Based on the DSS analysis, and inspection done by Regional Office, Ranchi, the patches of CA land have been revised and replaced. The Copy of maps w.r.t revised CA land are enclosed as Annexure- L.

	Forest. Therefore, the suitable areas having appropriate density are required for raising the compensatory Afforestation. The updated KML file of CA area with maps and scheme shall be uploaded on PARIVESH.	revised in consultation with DFO office, Latehar and revised Maps and land details are submitted with for kind consideration, please.																																																																									
21	The land use details at the end of mine life as per the approved mining shall be submitted/uploaded	As desired, the proposed land use plan has been enclosed (Appendix-1).	User Agency has not submitted proper land details at the end of mine life as per the approved mining plan.																																																																								
22	It has been reported in online Part-II that major part of the area proposed for diversion lies in Rehabilitation cum Plantation Working Circle. Therefore, the details of work/activities carried out by the State Forest Department in the proposed forest land needs submission and an undertaking from the user agency to bear such cost may also be submitted.	The user agency shall abide to all the conditions to be imposed by State Forest Department. An undertaking in this respect is enclosed as Annexure-I. The details of plantation work & construction of check dam carried out by the division in the proposed forest land are as below:- A. Plantations:- <table border="1"> <thead> <tr> <th>Sl. No</th><th>PF Name</th><th>Year of Plantation</th><th>Area involved</th></tr> </thead> <tbody> <tr> <td>1</td><td>Jagaldaga</td><td>2002</td><td>8.24 ha</td></tr> <tr> <td>2</td><td>Surli</td><td>2005</td><td>8.60 ha</td></tr> <tr> <td>3</td><td>Banhardi</td><td>2009</td><td>5.77 ha</td></tr> <tr> <td>4</td><td>Bari</td><td>2019 & 2021</td><td>24.57 ha</td></tr> <tr> <td>5</td><td>Sabano</td><td>2020</td><td>19.06 ha</td></tr> </tbody> </table> B. Check Dams:- <table border="1"> <thead> <tr> <th>Sl. No</th><th>PF Name</th><th>Year of Const.</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>1</td><td>Bari</td><td>2022</td><td></td></tr> <tr> <td>2</td><td>Bari</td><td>2023</td><td></td></tr> </tbody> </table>	Sl. No	PF Name	Year of Plantation	Area involved	1	Jagaldaga	2002	8.24 ha	2	Surli	2005	8.60 ha	3	Banhardi	2009	5.77 ha	4	Bari	2019 & 2021	24.57 ha	5	Sabano	2020	19.06 ha	Sl. No	PF Name	Year of Const.	Remark	1	Bari	2022		2	Bari	2023		The details of plantation work & construction of check dam carried out by the division in the proposed forest land are as below:- A. Plantations:- <table border="1"> <thead> <tr> <th>Sl. No</th><th>PF Name</th><th>Year of Plantation</th><th>Area involved</th></tr> </thead> <tbody> <tr> <td>1</td><td>Jagaldaga</td><td>2002</td><td>8.24 ha</td></tr> <tr> <td>2</td><td>Surli</td><td>2005</td><td>8.60 ha</td></tr> <tr> <td>3</td><td>Banhardi</td><td>2009</td><td>5.77 ha</td></tr> <tr> <td>4</td><td>Bari</td><td>2019 & 2021</td><td>24.57 ha</td></tr> <tr> <td>5</td><td>Sabano</td><td>2020</td><td>19.06 ha</td></tr> </tbody> </table> B. Check Dams:- <table border="1"> <thead> <tr> <th>Sl. No</th><th>PF Name</th><th>Year of Const.</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>1</td><td>Bari</td><td>2022</td><td></td></tr> <tr> <td>2</td><td>Bari</td><td>2023</td><td></td></tr> </tbody> </table> It is further submitted that User agency has submitted an undertaking to comply and abide by the condition to be imposed	Sl. No	PF Name	Year of Plantation	Area involved	1	Jagaldaga	2002	8.24 ha	2	Surli	2005	8.60 ha	3	Banhardi	2009	5.77 ha	4	Bari	2019 & 2021	24.57 ha	5	Sabano	2020	19.06 ha	Sl. No	PF Name	Year of Const.	Remark	1	Bari	2022		2	Bari	2023	
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Prawesh Agrawal
IFS

Divisional Forest Officer
Latehar Division



23	Four mega coal projects (upcoming mines at Chakla-12 km & Rajbar -0.5 km; and operational mines at Sikni-0.2 km & Tubed 5.5 km) are very close to this proposed mining site. Therefore, it is very important to consider the complete landscape and cumulative impact of these mining operations at every step of decision making and planning. The State shall examine the matter and give its considered view and justification on the same. A map indicating above mentioned mines with their relative distances shall also be submitted.	The Banhardih Coal block has been allocated by Ministry of Coal to M/s Patratu Vidyut Utpadan Nigam Limited (PVUNL), a joint venture between NTPC Limited and Jharkhand Bijli Vitran Nigam Limited having Banhardih Coal Block for captive dispensation. As the power generation is a major contributor for growth of Nation and also a basic requirement for Country's Development. In addition to above the national economy will gain to the extent of several crores by the way of wages payable to direct and indirect employees. There is huge demand of coal in India for Power generation and other utility. Thus, excavation of coal below the forest land of Banhardih Coal project is highly essential. A map indicating surrounding coal mines with their relative distances has been enclosed (Appendix-5).	by the State Forest Dept. The U. A has submitted statement along with a map indicating surrounding coal mines with their relative distances as Appendix-5 which may be considered for further processing.
24	PUVNL has informed that the forest land of 352.1 ha which is to be used for mining future once the OB dump will be used in filling up the mined-out area. Detailed survey and exploration for 1049.00 out of 1467.42 ha area of mining lease area is already completed and	It is imperative to mention here that the total mining lease area of 1467.42 Ha is completely coal bearing area and regional exploration for 1467.42 and detailed exploration for 1049 Ha have been completed based on which the Mining Plan was prepared and subsequently approved by Ministry of Coal. However, as per the conditions imposed by Ministry of Coal in Approved Mining Plan, the interim temporary OB dump area within the Mining lease and Coal bearing area shall be explored in detail for preparation of Future scheme of Mining in the OB dump area to substantiate the minimum coal loss. Considering the of above, Detailed exploration within the balance coal bearing area is in the private area are under progress and application submitted by user agency in Form -C through Parivesh portal -2.0 to carry out detailed exploration in the Forest area, which was further recommended by PCCF Nodal and State Govt.	U.A. has submitted Form-C application to carry detailed exploration in the forest area as per the condition of Approved Mining Plan within the Mining lease area. During approval process IRO has revised query as stated in earlier para but reply from user agency is still awaited.

	further detailed exploration of remaining 418.42 ha area is ongoing. However, it is not clear as to how much forest land is involved in the 418.42 ha area where survey and exploration is yet to be done.	It may be further submitted that in the interim temporary OB dump area of 418.42 Ha within the Mining Lease area, is envisaged for second phase of mining where in the detailed exploration is in progress to finalize the mining scheme and methodology which covers a total forest area of 313.94 Ha including 6.26 ha of GMJJ land as per the land schedule received from Divisional Forest office, Latehar. Further, due to high stripping ratio and highly steeping coal seams, OB could not be accommodated within the excavation area during initial five years as it will hamper the mining progress. Accordingly, best feasible efforts envisaged with an optimum year wise deepening of 60m to reach 300 meter in five years to accommodate maximum OB thru internal dumping.	
25	It has been reported that the forest area proposed mining site is very rich in terms of floral and faunal biodiversity with an ecologically significant gene-pool. Therefore, a sincere effort is needed to preserve the germplasm of the area conducting a thorough biodiversity and ethno botanical study. The state shall submit its comments on the same along with the status of any such study being conducted.	The User agency will abide by all the conditions that will be imposed by State Forest Department. An undertaking regarding the study of biodiversity is enclosed as Annexure-J.	User agency has submitted an undertaking to comply and abide by the condition to be imposed by State Forest Dept. as Annexure-J.
26	The DFO Latehar has recommended the proposal subject to certain specific conditions. The point-wise comments of the State and the User agency in this regard	The user agency shall abide to all the conditions to be imposed by State Forest Department.	User agency has agreed to abide all the condition to be imposed by State Forest Department


 Praveesh Agrawal
 I.F.S.
 Divisional Forest Officer
 Latehar Forest Division

27	shall be submitted. Keeping in view the para 7.8 (i) of the comprehensive guidelines the State shall justify the necessity of opening new mining lease. All the details as per para 7.8 shall be submitted.	The Banhardih coal block has been allocated by Ministry of Coal to M/s Patratu Vidyut Utpadan Nigam Limited (PVUNL), a joint venture between NTPC Limited and Jharkhand Bijli Vitran Nigam Limited for its captive use for power generation. As the power generation is a major contributor for growth of Nation and a basic requirement for Country's Development. In addition to above the national economy will gain to the extent of several crores by the way of wages payable to direct and indirect employees. There is huge demand of coal in India for Power generation and other utility. Thus, excavation of coal below the forest land of Banhardih Coal project is highly essential.	U.A. has submitted justification. Considering the nature/purpose of the proposal it may be consider for further processing.																				
28	The elephant movement has been reported in the proposed area; therefore, the State Govt. shall inform whether the proposed area falls in any Elephant Corridor or Elephant Reserve.	The proposed area does not fall in any Elephant Corridor or Elephant reserve, but the proposed diversion area falls within the proposed elephant corridor. Herds of elephants roam in and around the proposed area for division. Incidents of Human- Elephants conflicts are likely to increase further with more fragmentation and loss of habitat due to open cast mining projects in and around the area (four Mega Project nearby)	The proposed area does not fall in any notified Elephant Corridor or Elephant reserve, but the proposed diversion area falls within the proposed elephant corridor. Herds of elephants roam in and around the proposed area for division. Incidents of Human- Elephants conflicts are likely to increase further with more fragmentation and loss of habitat due to open cast mining projects in and around the area (four Mega Project nearby)																				
29	The State Govt. shall inform whether there is any encroachment on proposed area (forest land) or any plantation done in past over the proposed forest land for diversion.	The encroachment & other structures shall be evicted during the course of Mining activities as per the deliberation of Forest Dept & District. Admin.	Forest land pattas have been given to the forest dweller under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006. Besides there are few encroachments which are temporary in nature and shall be evicted during the course of mining activities. The details of plantation done over the proposed forest land area is as below: - <table border="1"> <thead> <tr> <th>Sl. No</th><th>PF Name</th><th>Year of Plantation</th><th>Area involved</th></tr> </thead> <tbody> <tr> <td>1</td><td>Jagaldaga</td><td>2002</td><td>8.24 ha</td></tr> <tr> <td>2</td><td>Surli</td><td>2005</td><td>8.60 ha</td></tr> <tr> <td>3</td><td>Banhardi</td><td>2009</td><td>5.77 ha</td></tr> <tr> <td>4</td><td>Bari</td><td>2019 &</td><td>24.57 ha</td></tr> </tbody> </table>	Sl. No	PF Name	Year of Plantation	Area involved	1	Jagaldaga	2002	8.24 ha	2	Surli	2005	8.60 ha	3	Banhardi	2009	5.77 ha	4	Bari	2019 &	24.57 ha
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(Signature)
Prawesh Agrawal
District Collector, Patratu
Jharkhand
Date: 10/08/2020

32	The State Govt. shall provide the details of the User Agency being a CPSU/JV and justify the claim made by the User Agency for relaxation in raising the Compensatory Afforestation over Degraded Forest Land. The State Govt. shall inform whether the coal block is captive for the PSU or otherwise.	The Banhardih coal Block has been allocated by Ministry of Coal to PVUNL a Central Public Sector in JV with Govt of Jharkhand. As the application of forest diversion submitted on 18.09.2021 in Parivesh -1 and accepted by PCCF(Nodal) and subsequently DFO under provisions applicable for the central public sector companies. Accordingly, being a central public sector unit CPSU, Degraded Forest land to the tune of twice to proposed for diversion area has been considered for CA land as per the Guideline of MoEF & CC and consequently recommended by DFO, CF and PCCF. The block has been allocated by Ministry of Coal to M/s Patratu Vidyut Utpadan Nigam Limited (PVUNL), A joint venture between NTPC Limited and Jharkhand Bijli Vitran Nigam Limited for its captive use for power generation.	U.A. has submitted clarification.
33			U.A. has submitted clarification.
34	The estimation of cost and benefit components has not been done properly as per prescribed format and all the parameters of cost have not been estimated. The cost benefit analysis needs to be done and submitted as per the format prescribed. Also, the CB analysis and justification with respect to productivity and methodology of mining (underground and then open cast) shall be submitted.	As desired, the revised Cost Benefit Analysis has been enclosed as Appendix-6 .	User agency has submitted the revised Cost Benefit Analysis has been enclosed as Appendix-6 .
35	CA areas have been identified on DFL; however, they are not free from encumbrances and old plantations have been	It has been re-examined and the assessment with respect to CA land in conjunction with the site inspection report by DFO Latehar and team of Regional Office, Ranchi led by Dy. Inspector General of Forest, it is suggested to slightly revise the Compensatory Afforestation land in order to reduce the presence of Moderate Dense Forest patches as mentioned in the DSS Analysis Report. <i>Prawesh Agrawal</i> DFO Latehar	Based on the DSS analysis, the previously finalised CA land has been inspected by IRO and after site inspection by Regional office, Ranchi, the patches of CA land have been revised and replaced. The Copy of maps w.r.t

	done on them, this needs clarity especially if any plantation is done under CAMPA. The details shall be submitted by the State in this regard.	Accordingly, the Patches for Compensatory Afforestation land have been slightly revised in consultation with DFO office, Latehar and revised Maps and land details are submitted with for kind consideration, please. Further, the encroachment is seasonal and shall be evicted during the course of plantation.	revised CA land are enclosed as Appendix-I. It is further mentioned that the encroached patches in degraded forest land are seasonal for agriculture purposes and shall be evicted during the course of plantation.
36	The CF, Daltonganj recommended the proposal with a condition that Fifty percent 50% of the total Corporate Social Responsibility CSR fund specific to this project should be allocated for the development of wildlife and it's habitat. The justification for seeking additional allocation of CSR fund for development of wildlife and it's habitat by the State from the user agency needs clarification keeping in view of the fact that State Govt. has recommended the proposal subject to the fulfilment of the wildlife Management Plan.	As per the CSR policy, the user agency shall abide to all the conditions to be imposed by Divisional Forest Office & District Admin Latehar. State Forest Department, Govt of Jharkhand.	User agency has agreed to comply and abide by the condition to be imposed by the State Forest Department.
37	The site is important so far as ecological considerations are, especially	It is submitted that there are three seasonal nallas namely Sukri, Bagdagga-1 & Bagdagga-2 is present in the Mine lease area of 1467.42 Ha. As per the simulation model testing report prepared by IIT Roorkee & vetted Nallah diversion report submitted to WRD, only two Nallahs Bagdagga-1 & Bagdagga-2 are	User agency has not submitted NOC for diversion of water stream however an undertaking has been submitted that NOC will be submitted before Stage-II

	wildlife/biodiversity and water security. Therefore, NoC for diversion of water stream (if involved) shall be submitted.	proposed for diversion. The WRD Ranchi has recommended for issuance of Final NOC which is under cabinet approval based on the in-principle approval NOC is approved by WRD on 03.03.2024 and subsequent recommendation from WRD Medininagar post site inspection and assessment. Further, the User agency shall abide by all the conditions that will be imposed by State Forest Department and PCCF (Wildlife) and take necessary action w.r.t the ecological considerations, especially on wildlife/biodiversity and water security. An undertaking related to the above said matter is enclosed as Annexure-K.	approval as Annexure-K.
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 Praveen Agrawal
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 Divisional Forest Officer
 Batehar Forest Division