



एनटीपीसी लिमिटेड

(भारत सरकार का उद्यम)

**NTPC Limited**

(A Govt. of India Enterprise)

कोयला खनन परियोजनाएँ, हजारीबाग  
Coal Mining Projects, Hazaribag

Date: 19.10.2024

Ref. No. NTPC/PB-NW/2024/290

To,

The Divisional Forest Officer,  
Hazaribagh West Forest Division,  
Hazaribagh, Jharkhand

**Subject:** Proposal for non-forestry use of 331.198 Ha of forest land in favour of M/s NTPC Limited for Pakribarwadih (North West) Opencast Coal Mining Project in West Forest Division, District Hazaribagh, Jharkhand - Submission of reply of queries raised on compliance for Stage-I Forest Clearance of Pakri Barwadih North-West (Proposal No.: FP/JH/MIN/38798/2019)

**Reference:** (i) Your Letter no. 2515 dated 24.04.2024

Dear Sir,

In reference to your letter mentioned at reference(i) vide which we had received queries on the compliance of stage-I Forest clearance of Pakri Barwadih North-West (Proposal No.: FP/JH/MIN/38798/2019). It is to mention that we are submitting point wise reply of queries raised to your good office.

S. No.	Queries	Reply to the queries
1	Condition no (ii) of Stage-1 – In compliance of this conditions, information formation of an expert committee is not received. It is also to be noted that in the light of the letter no. 727 dated 01.03.2024 of the State Government, by the letter 301 dated 01.04.2024 of the this office,	A committee of experts under chairmanship of DFO(West), Hazaribagh has been constituted by Regional Chief Conservator of Forest, Hazaribagh vide notification no. 17 dt 07.06.2024.

कोयला खनन परियोजनाएँ, सिकरी साईट कार्यालय, बड़कागाँव, हजारीबाग – 825311

Coal Mining Projects, Sikri Site Office, Barkagaon, Hazaribag - 825311

पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7, इंस्टिट्यूशनल एरिया, लोधी रोड, नई दिल्ली – 110003. टेलीफोन नं./Tel: 011-24387333, फेक्स नं./Fax: 01124361018  
Registered Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodi Road, New Delhi - 110003. E-mail : ntpccc@ntpc.co.in, Website : www.ntpc.co.in

	the Regional Chief Conservator of Forest, Hazaribagh has been authorized to constitute an expert committee under the chairmanship of Divisional Forest Officer, Hazaribagh Western Forest division.	
2	Condition no (vi) of Stage 1- In Compliance of this condition, a copy of the approval of CAT (Catchment Area Treatment Plan) plan is not received. Also, information regarding depositing the amount of said plan in CAMPA is also not received.	The draft Catchment Area Treatment Plan was presented before PCCF-Hoff on 19.07.2024. Some of the suggestions mentioned as per Minutes of meeting were incorporated and revised plan was submitted to the DFO(W), Hazaribagh on 30.08.2024 vide our letter ref NTPC/PB-NW/2024/279 dt 30.08.2024.
3	Condition no (vii) of Stage-1- A Copy of Integrated Soil and Water conservation Plan is not received in compliance with this condition.	The draft integrated soil and water was presented before PCCF-Hoff on 19.07.2024. Some of the suggestions mentioned as per Minutes of meeting were incorporated and revised plan was submitted to the DFO(W), Hazaribagh on 30.08.2024 vide our letter ref NTPC/PB-NW/2024/279 dt 30.08.2024.
4	Condition no (xvi) of Stage 1- A Copy of the proceedings of the FRA and Gram Sabha meeting is required to comply with this condition.	The NOC under FRA 2006 has been granted for all 8 villages of the project.
5	Full compliance report of Condition no. (ix), (xi-c), (xvii) of Stage-1 is not received.	Condition wise compliance is mentioned below:
(a)	<b>Condition no. ix-</b> "As observed in the existing mine of NTPC Pakri Barwadih no amount of siltation dams	Technically, developing green belt of 100 meters on the sides of Khorra nallah &

Navin Kumar

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
इन्टीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



could prevent the sediment deposition and choking of streams as overburden is dumped just adjacent to the nallahs/streams. The Khorra nallah will largely be affected by the mining activities hence it should be protected by identifying and developing green belt of 100 meters on the side of Khorra nallah & Pakwa Nalas that is facing the mining area, to prevent further sedimentation and choking."

Pakwa Nalas that faces the mining area is not possible.

It is to submit that, Pakri Barwadih North-West project is bounded by a seasonal nala, namely, Khora Nala on eastern and north-western side and no part of the Pakwa Nala falls along Pakri Barwadih North-West project.

Accordingly, it is requested to exclude the condition of maintaining of 100m green belt along the sides of Pakwa Nala.

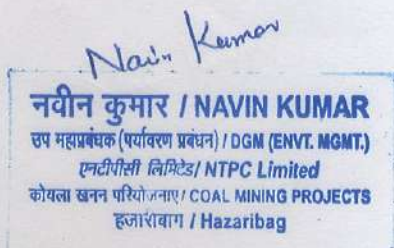
It is also submitted that 100-meter green belt development shall block approximately 40 MMT (i.e. about 30% of the total extractable reserves) of coal beneath the imposed green belt of 100m, and shall make the proposed project unviable, which shall otherwise will used for the benefit of the Nation.

With respect to the observation made for the existing mine of NTPC Pakri Barwadih, it is to submit that, in line with regulation 149 of Coal Mines Regulation 2017, NTPC has requested MoEF&CC vide it's letters (letter ref. no. RED(CM) Sectt./PBCMP /EMG/2023/475 dt 02.06.2023 & D(Fuel) Sectt./Nov23/01 dt 09.11.2023 for considering 15 meters green belt development on sides of Khora Nalla instead of 100m.

Further to submit that, as per approved Mining Plan of PB and PB North-West (approved by Ministry of Coal, Govt. of India vide letter no. 13016/29/2003-CA-1(part) dt.

		<p>07.03.2016), Khora Nalla falling between Pakri Barwadih Northwest and Pakri Barwadih West mine (eastern part of the Khora Nala) shall be diverted after 30th year of mining along the Northern boundary of Pakri Barwadih Northwest project, accordingly the green belt to be developed as of now shall be required to be felled in due course.</p> <p>It is to submit that Khorra Nala flows between Pakri Barwadih(PB) and PB North West mine, and for the adjacent Pakri Barwadih mine, MoEF&amp;CC has allowed to develop green belt of 50m along the Khorra &amp; Pakwa Nalla vide their letter ref. 8-56/2009-FCpt dt. 01.10.2024.</p> <p>Hence, it is requested to amend the condition.</p>
(b)	<p><b>Condition No xi-c</b>– “The KML files of diverted area and the CA areas shall be uploaded on the e-Green watch portal with all requisite details prior to Stage- II approval.”</p>	<p>In this regard a request has been made to the Forest department vide NTPC ltr. Ref. No. NTPC/PB-NW/2023/F-24/156 dt 13.07.2023 to upload the required details on the e-Green watch portal.</p>
(c)	<p><b>Condition No xvii</b> - “The compliance report shall be uploaded on e-portal (<a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a>).”</p>	<p>Compliance has been uploaded in Parivesh Portal.</p>

Along with this a complete compliance against the Stage-I FC conditions and its annexures are attached herewith in 08 copies for your kind reference.





It is to be submitted that, NTPC is committed to abide by all the directions issued by regulators and provisions made under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 and rules made thereunder. It is requested from your good office to kindly forward the compliance of Stage-I Forest Clearance for grant of Stage-II Forest Clearance for the project.

Thanking you,

Yours sincerely

*Navin Kumar*

(Navin Kumar)

Dy. GM (Env't. Mgmt.)

PB & PB-NW CMP, NTPC Ltd.

Encl.: As above



**NTPC Limited**  
Pakri Barwadih North-West Coal Mining Project

**STAGE-I FOREST CLEARANCE - COMPLIANCE OF CONDITIONS**

Compliance of the conditions given in the Approval of the Central Government granted Vide Ltr. No "F. No. 8-56/2009 – FC-(Vol) dtd: 26th May 2023" under section-2, of the Forest (Conservation) Act, 1980 for diversion of 331.198 Ha area of forest land for coal mining from Pakri Barwadih North-West Project in favor of M/s NTPC in Hazaribagh West Forest Division in Hazaribagh district of Jharkhand subject to fulfillment of the following conditions:

S.No.	Conditions Stipulated in FC	Compliance status
i.	Legal status of the diverted forest land shall remain unchanged.	<b>Agreed to comply.</b> Undertaking in this regard is attached as <b>Annexure-1</b> .
ii.	A team of specialists from field of Soil Engg, Agriculture Engg, Hydrology, GIS & Geology shall be constituted under chairpersonship of DFO concerned. The team shall continuously study the area for assessing the impact of on-going mining on various environmental/ ecological parameter and submit findings report to IRO annually.	<b>Complied.</b> A committee of experts under chairmanship of DFO(West), Hazaribagh has been constituted by Regional Chief Conservator of Forest, Hazaribagh vide notification no. 17 dt 07.06.2024 (Copy of letter is attached as <b>Annexure-2</b> )
iii.	UA shall generate drone survey data on spatial and seasonal status of Khorra Nalla & Pakwa Nalla watersheds for having first-hand information on the current status of the Khorra and Pakwa Nalas watershed parallel to the ongoing mining activities. For this purpose, a reputed institute, preferably located in the State, may be engaged for data collection, processing and interpretation in effective and exclusive manner.	<b>Agreed to comply.</b> Work for the study has been awarded to IIT-ISM vide order no. TSPPL/Consultant/ PBNW/23-24/01 dt 18.08.2023 (attached as <b>Annexure-3</b> ). Drone Survey data generation on spatial and seasonal status of Khorra Nala & Pakwa Nala watersheds is under progress. Executive summary of the report is attached as <b>Annexure-4</b> The undertaking in this regard is attached as <b>Annexure-5</b> .
iv.	Study of river-aquifer interaction using non-invasive geo-physical technique in 10 km radius of NTPC Pakri Barwadih Coal mine site shall be conducted to facilitate the delineation of groundwater potential zones, ground water variation in these zones and help in water budgeting to the surroundings.	<b>Agreed to comply.</b> Work for the study has been awarded to IIT-ISM vide order no. TSPPL/Consultant/ PBNW/23-24/01 dt 18.08.2023 (attached as <b>Annexure-3</b> ). Study has been completed and report on River-aquifer interaction using non-invasive geo-physical technique in 10 km radius of Pakri Barwadih Coal mine is under preparation. Same shall be submitted to the Forest Department after finalization of the report.



**NTPC Limited**  
*Pakri Barwadih North-West Coal Mining Project*

S.No.	Conditions Stipulated in FC	Compliance status
		The undertaking in this regard is attached as <b>Annexure-6</b> .
v.	Since the area is rich in species composition therefore Reclamation, Eco- restoration, and Conservation Plan shall be prepared by conducting proper study before initiating mining activities.	<b>Complied.</b> Work for the study has been awarded to IIT-ISM vide order no. TSPPL/Consultant/ PBNW/23-24/01 dt 18.08.2023 (attached as <b>Annexure-3</b> ). Study for reclamation, Eco - restoration, and Conservation Plan is completed and report is submitted to Forest Department vide our letter ref. NTPC/PB-NW/2024/233 dt 30.03.2024 (copy of letter is attached as <b>Annexure-7</b> )
vi.	The Catchment Area Treatment Plan shall be prepared and implemented at the cost of the user agency for the treatment of all Nallahs/streams pertaining to instant mining lease/project area. The commensurate funds shall be deposited in National Authority prior to Stage-II approval.	<b>Agreed to comply.</b> Work for the study has been awarded to IIT-ISM vide order no. TSPPL/Consultant/ PBNW/23-24/01 dt 18.08.2023 (attached as <b>Annexure-3</b> ). The draft Catchment Area Treatment Plan was presented before PCCF-Hoff on 19.07.2024. Some of the suggestions mentioned as per Minutes of meeting were incorporated and revised plan was submitted to the DFO(W), Hazaribagh on 30.08.2024 vide our letter ref NTPC/PB-NW/2024/279 dt 30.08.2024 (Copy of our letter is attached as <b>Annexure-8</b> )
vii.	An integrated soil and water conservation plan shall be prepared and implemented at the cost of the user agency for the entire landscape affected by the mining activities of the User agency in the region.	<b>Agreed to comply.</b> Work for the study has been awarded to IIT-ISM vide order no. TSPPL/Consultant/ PBNW/23-24/01 dt 18.08.2023 (attached as <b>Annexure-3</b> ). The draft integrated soil and water was presented before PCCF-Hoff on 19.07.2024. Some of the suggestions mentioned as per Minutes of meeting were incorporated and revised plan was submitted to the DFO(W), Hazaribagh on 30.08.2024 vide our letter ref NTPC/PB-NW/2024/279 dt 30.08.2024. (Copy of our letter is attached as <b>Annexure-8</b> )
viii.	The mining in the area should be in consonance with the "Integrated Wildlife Management Plan" of North Karanpura. The cost estimate of Integrated Wildlife Management Plan (IWMP) submitted is based on the rate of 2010, while approval is being considered in 2023, hence rate revision has to be done based on the present rate.	<b>Complied.</b> The site-specific Wildlife Management Plan for Pakri Barwadih North-West project in consonance of "Integrated Wildlife Management Plan" of North Karanpura is prepared by NTPC and is approved by PCCF-Wildlife, Jharkhand vide order no. 32 dt 03.08.2023 (attached as <b>Annexure-9</b> ). The updated cost for implementation of site specific Wildlife Management Plan as per demand note 4906 dt. 01.09.2023 from DFO, Hazaribag (West) (for an amount of <b>Rs. 45,31,46,000.00</b> against wildlife management plan implementation) has been



**NTPC Limited**  
**Pakri Barwadih North-West Coal Mining Project**

S.No.	Conditions Stipulated in FC	Compliance status
		<p>submitted by NTPC vide UTR ref. No. SBINR12023112485848761 dt. 22.11.2023 to Ad-hoc CAMPA fund. (Demand note attached as <b>Annexure-10</b> and payment receipt attached as <b>Annexure -11</b>).</p> <p>Undertaking in this regard is attached as <b>Annexure -12</b>.</p>
ix.	<p>As observed in the existing mine of NTPC Pakri Barwadih no amount of siltation dams could prevent the sediment deposition and choking of streams as overburden is dumped just adjacent to the nallahs/streams. The Khorra nallah will largely be affected by the mining activities hence it should be protected by identifying and developing green belt of 100 metres on the side of Khorra nallah &amp; Pakwa Nalas that is facing the mining area, to prevent further sedimentation and choking.</p>	<p>Technically, developing green belt of 100 meters on the sides of Khorra nallah &amp; Pakwa Nalas that faces the mining area is not possible.</p> <p>It is to submit that, Pakri Barwadih North-West project is bounded by a seasonal nala, namely, Khora Nala on eastern and north-western side and no part of the Pakwa Nala falls along Pakri Barwadih North-West project.</p> <p>Accordingly, it is requested to exclude the condition of maintaining of 100m green belt along the sides of Pakwa Nala.</p> <p>It is also submitted that 100-meter green belt development shall block approximately 40 MMT (i.e. about 30% of the total extractable reserves) of coal beneath the imposed green belt of 100m, and shall make the proposed project unviable, which shall otherwise will used for the benefit of the Nation.</p> <p>With respect to the observation made for the existing mine of NTPC Pakri Barwadih, it is to submit that, in line with regulation 149 of Coal Mines Regulation 2017, NTPC has requested MoEF&amp;CC vide it's letters (letter ref. no. <b>RED(CM) Sectt./PBCMP /EMG/2023/475 dt 02.06.2023 &amp; D(Fuel) Sectt./Nov23/01 dt 09.11.2023</b> for considering 15 meters green belt development on sides of Khora Nalla instead of 100m. (Copy of request letters and relevant condition of CMR, 2017 is attached as <b>Annexure -13</b> and <b>Annexure-14</b>).</p> <p>Further to submit that, as per approved Mining Plan of PB and PB North-West (approved by Ministry of Coal, Govt. of India vide letter no. 13016/29/2003-CA-1(part) dt. 07.03.2016), Khora Nalla falling between Pakri Barwadih Northwest and Pakri Barwadih West mine (eastern part of the Khora Nala) shall be diverted after 30<sup>th</sup> year of mining along the Northern boundary of Pakri Barwadih Northwest project, accordingly the green belt to be developed as of now shall be required to be felled in due course. (Stage plans of Mining after 20<sup>th</sup> year, 30<sup>th</sup> year, 40<sup>th</sup> year &amp; Final stage plan are attached as <b>Annexure -15</b>)</p>

  
**नवीन कुमार / NAVIN KUMAR**  
 उप महासंचालक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 खेयता खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag



**NTPC Limited**  
**Pakri Barwadih North-West Coal Mining Project**

S.No.	Conditions Stipulated in FC	Compliance status
		It is to submit that Khorra Nala flows between Pakri Barwadih(PB) and PB North West mine, and for the adjacent Pakri Barwadih mine, MoEF&CC has allowed to develop green belt of 50m along the Khorra & Pakwa Nalla vide their letter ref. 8-56/2009-FCpt dt. 01.10.2024 (Copy of letter attached as <b>Annexure-16</b> )  Hence, it is requested to amend the condition.
x	A violation of the conditions of approval in case of diversion of 1026.438 ha forest land diverted earlier has been reported and is being processed separately. The State Govt shall ensure that the penal NPV and other penal levies as imposed are deposited before the Stage-II approval.	The Ministry of Environment, Forest and Climate Change (MoEF&CC) vide their letter ref. 8-56/2009-FCpt dt. 01.10.2024 has waived off this condition. (Copy of letter attached as <b>Annexure-16</b> )
xi	<b>Compensatory Afforestation:</b>	
xi. a	The Compensatory afforestation over degraded forest land, double in extent to the forest land being diverted, shall be raised by the State Forest Department at the project cost within three years from the date of grant of Stage - II approval.	<b>Complied.</b>  The NTPC have deposited the necessary fund (Rs. 15,62,23,890.00) as per the demand note 4906 dt 01.09.2023 received from the DFO, Hazaribag (West) for development of the CA in the Ad-Hoc CAMPAs fund vide UTR no. SBINR12023112586053398 Dt. 25.11.2023 (Copy of demand note and payment receipt are attached as <b>Annexure -10</b> and <b>Annexure -11</b> )
xi. b	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. The scheme may include afforestation of indigenous species with appropriate provision for anticipated cost increase for works scheduled for subsequent years.	<b>Complied.</b>  Compensatory afforestation shall be taken up by the state forest dept at the Project Cost.  As per the demand note received from the DFO, Hazaribag (West) vide their Ltr. No. 4906 Dtd. 01.09.2023, NTPC has deposited Rs. 15,62,23,890.00 (Fifteen Crore Sixty-Two Lakh Twenty-Three thousand Eight hundred Ninty only) against Compensatory afforestation and Rs. 40,13,800.00 (Rupees Forty Lakh Thirteen Thousand Eight hundred only) against pillaring cost of CA land in favor of "Ad-hoc CAMPAs" vide UTR no. SBINR12023112586053398 Dt. 25.11.2023 (Copy of demand note and payment receipt are attached as <b>Annexure-10</b> and <b>Annexure -11</b> )
xi. c	The KML files of diverted area and the CA areas shall be uploaded on the e-Green watch portal with all requisite	Noted.  In this regard a request has been made to the Forest department vide NTPC ltr. Ref. No. NTPC/PB-



**NTPC Limited**  
Pakri Barwadih North-West Coal Mining Project

S.No.	Conditions Stipulated in FC	Compliance status
	details prior to Stage- II approval.	NW/2023/F-24/156 dt 13.07.2023 to upload the required details on the e-Green watch portal. (Copy of letter attached as <b>Annexure -17</b> )
xii	The User Agency shall transfer the funds towards the cost of Net Present Value (NPV) of the forest land being diverted under this proposal from the User in accordance with the MoEF&CC's guidelines dated 6.01.2022 read with guidelines dated 22.03.2022.	<b>Complied.</b> As per the demand note received from DFO, Hazaribag (West) vide their Ltr. No. 4906 Dtd. 01.09.2023, NTPC has deposited the amount of NPV (Rs. 44,94,72,118.00) in favor of "Ad-hoc CAMPA" vide UTR No. SBINR12023112586053399 dt. 25.11.2023 (Copy of demand note and payment receipt are attached as <b>Annexure-10</b> and <b>Annexure -11</b> )
xiii	<b>Safety Zone Management:</b> 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:	
a.	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 inscribed with DGPS coordinates with barbed wire fencing and deploying adequate number of watchers under the supervision of the State Forest Department;	<b>Being Complied.</b> Demarcation of safety zone area has been completed and its fencing, protection and erection of 6 feet high RCC boundary pillars with DGPS coordinates under the supervision of the Forest Department shall be done after transfer of Forest land. Undertaking in this regard is attached as <b>Annexure-18.</b>
b.	Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced by the user agency;	<b>Agreed to comply.</b> Proper fencing of the Safety zone of the mining lease, adjacent to habitation/roads shall be implemented. Undertaking in this regard is attached as <b>Annexure-19.</b>
c.	Safety zone shall be maintained as green belt around mining lease and regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Department.	<b>Agreed to comply.</b> Undertaking in this regard is attached as <b>Annexure -20.</b>
d.	Afforestation on degraded forest land to be selected elsewhere, measuring one and a half times the area under safety zone, shall also be done at the project cost under the supervision of the State Forest Department. The	<b>Complied.</b> The cost for afforestation elsewhere in lieu of one and half times the area under safety zone has been deposited vide UTR no. SBINR12023112586053398 Dt. 25.11.2023 as per demand raised by DFO, Hazaribagh (West) vide their Ltr. No. 4906 Dtd. 01.09.2023.



**NTPC Limited**  
*Pakri Barwadih North-West Coal Mining Project*

S.No.	Conditions Stipulated in FC	Compliance status
	degraded forest land (DFL) so selected will be informed to the MoEF&CC with shape files before Stage-II approval and afforestation will be done within three years from the date of Stage- II clearance and maintained thereafter in accordance with the approved Plan in consultation with the State Forest Department.	(Copy of demand note and payment receipt are attached as <b>Annexure -10</b> and <b>Annexure -11</b> )
e.	The State Government and the user agency shall ensure that safety zone is maintained as per the prescribed norms.	<b>Agreed to comply.</b> Undertaking in this regard is attached as <b>Annexure -21</b>
xiv.	The cost of felling of trees shall be deposited by the User Agency with the State Forest Department.	<b>Agreed to comply.</b> The cost of felling of the trees will be deposited to the State Forest Department. Undertaking in this regard is attached as <b>Annexure -22</b>
xv	All the funds received from the user agency under the project shall be transferred/deposited in CAMPA account only through e-portal ( <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> ). Amount deposited through other modes will not be accepted as compliance of the Stage-I clearance.	<b>Complied.</b> NTPC has deposited a total of <b>Rs. 106,28,55,808.00</b> (Rupees One hundred Six crores Twenty-Eight Lakh Fifty-Five Thousand Eight Hundred and Eight only) as per demand note of DFO, Hazaribagh (West) Itr. 4906 dt. 01.09.2023 in Ad-hoc CAMPA account through e-portal ( <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> ). Payment has been done in 3 parts as following: a) NPV amount: Rs. 44,94,72,118.00 b) CA amount including pillaring cost: Rs. 16,02,37,690.00 c) Wildlife management plan implementation fee: Rs. 45,31,46,000.00 Copy of payment details is enclosed as <b>Annexure -11</b>
xvi	The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.	<b>Complied.</b> The complete process for identification and settlement of rights under the FRA has been carried out for entire area. FRA-NOC for all 8 villages in prescribed format vide letters from the concerned District Collector ref. no. 862, 863 dt 13.07.2024, letters ref 1356, 1357, 1358 dt 20.09.2024 and letters ref. 1553, 1554, 1555 dt 15.10.2024 are enclosed as <b>Annexure-23</b> .
xvii.	The compliance report shall be uploaded on e-portal ( <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> ).	<b>Being complied.</b> Compliance has been uploaded in Parivesh Portal.



**NTPC Limited**  
**Pakri Barwadih North-West Coal Mining Project**

S.No.	Conditions Stipulated in FC	Compliance status
xviii.	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.	<b>Agreed to comply.</b> Undertaking in this regard is attached as <b>Annexure -24</b>
xix.	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;	<b>Agreed to comply.</b> Felling of the trees falling within the mining lease shall be done as per the requirement and as per the extant provision of the State Forest Department. The possibility of relocation of the trees shall also be explored. Undertaking in this regard is attached as <b>Annexure -25.</b>
xx.	Trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of concerned DFO.	<b>Agreed to comply.</b> Undertaking in this regard is attached as <b>Annexure -26</b>
xxi.	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 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 Regional Officer, Integrated Regional Office may direct that the mining activities shall remain suspended till such time, such reclamation activities in area satisfactorily executed.	<b>Agreed to comply.</b> Mining will be done as per the approved Mining plan. Mine closure plan has been prepared and duly approved by the Ministry of Coal. The reclamation of the mined-out area shall be done as per the approved mine closure plan. The annual report on implementation will be submitted to the Nodal Officer and Regional office, MoEF&CC.  Undertaking in this regard is attached as <b>Annexure -27</b>

  
**नवीन कुमार / NAVIN KUMAR**  
 उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 इन्टीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag



**NTPC Limited**  
**Pakri Barwadih North-West Coal Mining Project**

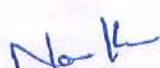
S.No.	Conditions Stipulated in FC	Compliance status
xxii.	The User Agency shall comply with the Hon'ble Supreme Court order on re-grassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a timely manner.	<b>Agreed to comply.</b> Undertaking in this regard is attached as <b>Annexure -28</b>
xxiii.	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.	<b>Agreed.</b> Undertaking in this regard is attached as <b>Annexure -29</b>
xxiv.	The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required.	<b>Complied.</b> Environmental clearance for Pakri Barwadih North-West project is granted by SEIAA, Jharkhand vide ltr. No. EC/SEIAA/2023-24/2916/2023/309 dt. 06.10.2023. Copy of EC is attached as <b>Annexure -30.</b>
xxv.	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.	<b>Agreed to comply.</b> Undertaking in this regard is attached as <b>Annexure -31</b>
xxvi.	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.	<b>Agreed.</b> The forest land shall not be used for any purpose other than that specified use. Undertaking in this regard is attached as <b>Annexure -32</b>
xxvii.	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.	<b>Agreed to Comply.</b> Undertaking in this regard is attached as <b>Annexure -33.</b>
xxviii.	No damage to the flora and fauna of the adjoining area shall be caused.	<b>Agreed to comply.</b>

  
**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 इन्टीग्रेटेड लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag

**NTPC Limited**  
*Pakri Barwadih North-West Coal Mining Project*

S.No.	Conditions Stipulated in FC	Compliance status
		<p>NTPC is committed to protect the flora &amp; fauna of the area. The site-specific Wildlife Management Plan for Pakri Barwadih North-West project is prepared by NTPC and is approved by PCCF-Wildlife, Jharkhand vide order no. 32 dt 03.08.2023 (attached as <b>Annex-8</b>). The necessary fund as per demand note 4906 dt. 01.09.2023 from DFO, Hazaribag (West) (for an amount of <b>Rs. 45,31,46,000.00</b> against wildlife management plan implementation) has been submitted by NTPC vide UTR ref. No. SBINR12023112485848761 dt. 22.11.2023 to Ad-hoc CAMPA fund. (Demand note attached as <b>Annexure -10</b> and payment receipt attached as <b>Annexure -11</b>).</p> <p>Undertaking in this regard is attached as <b>Annexure -34</b></p>
xxix.	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.	<p><b>Agreed to comply.</b></p> <p>NTPC shall ensure that the annual self compliance is submitted to the State Government, Regional Office and MoEF&amp;CC.</p> <p>Undertaking in this regard is attached as <b>Annexure -35</b></p>
xxx.	Any other condition that the concerned Regional Office of this Ministry may stipulate with the approval of competent authority in the interest of conservation, protection and development of forests & wildlife.	<p><b>Agreed.</b></p> <p>Undertaking in this regard is attached as <b>Annexure -36</b></p>
xxxi.	The user agency shall comply 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.	<p><b>Agreed to comply.</b></p> <p>Undertaking in this regard is attached as <b>Annexure -37</b></p>
xxxii.	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.	<p><b>Agreed.</b></p> <p>Undertaking in this regard is attached as <b>Annexure -38</b></p>

  
**नवीन कुमार / NAVIN KUMAR**  
 जल महसूब (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag



### List of Annexures

Annexure	Description
Annexure-1	Undertaking for condition i (Legal status of the diverted forest land shall remain unchanged)
Annexure-2	Notice by RCCF reg committee formation vide order 17 dt 07.06.2024
Annexure-3	Studies work order by TSPPL 18.08.2023
Annexure-4	Executive summary of the drone survey report
Annexure-5	Undertaking for condition-iii (reg. drone survey data)
Annexure-6	Undertaking for condition-iv (reg. study of river-aquifer interaction)
Annexure-7	NTPC's letter for submission of Reclamation, Eco - restoration, and Conservation Plan
Annexure-8	NTPC's letter for submission of Catchment Area Treatment Plan & Integrated soil and water conservation plan
Annexure-9	Sanction Oder of Site-Specific Wild Life Management Plan (SSWMP) of PB-NW CMP.
Annexure-10	Demand Note ltr 4906 dt 01.09.2023 from DFO, Hazaribagh(West) regarding NPV, CA and Wild Life Management Fee
Annexure-11	Payment details of NPV, CA & Wildlife Management fee of PB North-West
Annexure-12	Undertaking reg. Condition-viii (Mining to be in consonance with "Integrated Wildlife Management Plan" of North Karanpura)
Annexure-13	NTPC's Letters to PCCF, Ranchi and DG(Forest), MoEF&CC regarding for considering green belt development on 15 meters on side of Khora Nalla instead of 100 meter
Annexure-14	Regulation 149 of CMR 2017
Annexure-15	Stage Plan of Mining Plan – 20 <sup>th</sup> Year, 30 <sup>th</sup> Year, 40 <sup>th</sup> Year & Final Stage Plan of Mining Plan
Annexure-16	Letter from MoEF&CC ref. 8-56/2009-FCpt dt. 01.10.2024
Annexure-17	Letter NTPC/PB-NW/2023/F-24/156 dt 13.07.2023 to DFO, Hazaribag (West) regarding condition no-(ii) and (xi-c) of Stage-I Forest Clearance of Pakri Barwadih North-West Opencast Coal Mining Project.
Annexure-18	Undertaking for condition-xiii(a) (reg. demarcation of safety zone, its fencing, protection and regeneration)
Annexure-19	Undertaking for condition-xiii(b) (reg. fencing of safety zone boundary)
Annexure-20	Undertaking for condition-xiii(c) (Safety zone shall be maintained as green belt)
Annexure-21	Undertaking for condition-xiii(e) (reg. maintaining of Safety zone as per prescribed norms)
Annexure-22	Undertaking for condition-xiv (reg. cost of felling of trees)
Annexure-23	FRA-NOC of all villages received from DC, Hazaribagh vide ref. no. 862, 863 dt 13.07.2024, letters ref 1356, 1357, 1358 dt 20.09.2024 and letters ref. 1553, 1554, 1555 dt 15.10.2024
Annexure-24	Undertaking for condition-xviii (reg. payment of additional NPV)
Annexure-25	Undertaking for condition-xix (to explore the possibility of translocation of maximum number of trees)
Annexure-26	Undertaking for condition-xx (reg. tree felling in phased manner)

Na K

**नवीन कुमार / NAVIN KUMAR**  
 उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 इन्टीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS

Annexure-27	Undertaking for condition-xxi (undertaking mining in phased manner)
Annexure-28	Undertaking for condition-xxii (Re-grassing the mining area and any other areas which may have been disturbed due to mining)
Annexure-29	Undertaking for condition-xxiii (reg. period of diversion of forest land)
Annexure-30	Grant of Environment Clearance to PB North-West dated 11.10.2023 by SEIAA
Annexure-31	Undertaking for condition-xxv (No labour camp shall be established on the forest land)
Annexure-32	Undertaking for condition-xxvi (layout plan of the mining plan/ proposal shall not be changed without the prior approval of the Central Government)
Annexure-33	Undertaking for condition-xxvii (diverted forest land shall not be transferred to any other agency)
Annexure-34	Undertaking for condition-xxviii (reg. protection of Flora and Fauna)
Annexure-35	Undertaking for condition-xxix (reg. annual self-compliance Report)
Annexure-36	Undertaking for condition-xxx (reg. Conservation, protection and development of forests & wildlife)
Annexure-37	Undertaking for condition-xxxi (Compliance to provisions of all Acts, Rules, Regulations, Guidelines)
Annexure-38	Undertaking for condition- xxxii (reg. violation of Forest (Conservation) Act, 1980)

  
**नवीन कुमार / NAVIN KUMAR**  
 सहायक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजना / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag

RAMUK NIVAN / रामकु नजि  
 सहायक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजना / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag



## UNDERTAKING

(Legal status of the diverted forest land shall remain unchanged)

I, Shri Navin Kumar, Dy. General Manager (Env't. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Legal status of the diverted forest land shall remain unchanged."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env't. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.-Hazaribag

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV'T. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



कार्यालय – क्षेत्रीय मुख्य वन संरक्षक, हजारीबाग।  
वन भवन, हजारीबाग,

Ph. No. 06546-223962, Email- rccf-hazaribagh@gov.in

कार्यालय आदेश संख्या : 17 दिनांक : 07.6.2024

भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली (Forest Conservation Division) के पत्रांक 5-56/2009-FC (Vol) दिनांक 26.05.2023 द्वारा एन0टी0पी0सी0 पकरी बरवाडीह (North-West) ऑपेन कास्ट कोल माईनिंग प्रोजेक्ट (331.198 हे0) वनभूमि अपयोजन प्रस्ताव पर दी गई सैद्धांतिक सहमति (Stage-I) के शर्त संख्या-ii में निम्नांकित शर्त अधिरोपित है :-

*"A team of specialists from field of Soil Engg, Agriculture Engg, Hydrology, GIS & Geology shall be constituted under chairpersonship of DFO concerned. The team shall continuously study the area for assessing the impact of on-going mining on various environmental/ ecological parameter and submit findings report to IRO annually."*

भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय रांची के पत्रांक FP/JH/MIN/38798/2019/108 दिनांक 12.02.2024 के क्रम में प्रधान मुख्य वन संरक्षक-सह-कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, रांची के पत्रांक 301 दिनांक 01.04.2024 द्वारा दिए गए निर्देश के आलोक में विशेषज्ञ समिति का गठन निम्नवत् किया जाता है :-

Sl. No.	Name of Specialist & Designation	Institution/Office Name	Remarks
1	2	3	4
1	Shri Saba Alam Ansari, IFS	Divisional Forest Officer, Hazaribagh West Forest, Division	Chairman
2	Shri Anshumali, Professor, Hydrology, GIS & Geology	Department of Environmental Science & Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad	Member
3	Dr. Sukalyan Chakroborty, Associate Professor, (Soil & Agriculture)	Department of Civil & Environmental, Engineering, Birla Institute of Technology Mesra, Ranchi	Member
4	Shri H.N. Sinha, Head of Department of Geology, Dean of Science faculty, VBU	Department of Geology, Vinoba Bhave University, Hazaribagh	Member
5	Shri Ritesh Kumar Yadav, Anudesak (Engineering)	Office of the Deputy Director Research & Training Centre Demotand, Hazaribagh	Member
6	Shri Manish Kumar, Assistant Engineer	Office of the Executive Engineer Minor Irrigation Division, Hazaribagh	Member

विशेषज्ञ समिति भारत सरकार के शर्त के अनुरूप कार्यवाई कर अपना प्रतिवेदन प्रति वर्ष भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय, रांची को समर्पित करेगी।

ह0/-

क्षेत्रीय मुख्य वन संरक्षक,  
हजारीबाग



Memo No. 1008

Date : 07.6.2024

**Copy Forwarded to :**

1. Divisional Forest Officer, Hazaribagh West Forest Division, Hazaribagh.
2. Shri Anshumali, Professor, Hydrology, GIS & Geology, Department of Environmental Science & Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad.
3. Dr. Sukalyan Chakroborty, Associate Professor (Soil & Agriculture) Department of Civil & Environmental, Engineering, Birla Institute of Technology Mesra, Ranchi.
4. Shri H.N. Sinha, Head of Department of Geology, Dean of Science faculty, VBU Department of Geology, Vinoba Bhave University, Hazaribagh.
5. Shri Ritesh Kumar Yadav, Anudesak (Engineering) Office of the Deputy Director Research Training Centre Demotand, Hazaribagh
6. Shri Manish Kumar, Assistant Engineer Office of the Executive Engineer Minor Irrigation Division, Hazaribagh

ह0/-

क्षेत्रीय मुख्य वन संरक्षक,  
हजारीबाग

ज्ञापांक : 1008

दिनांक : 07.6.2024

प्रतिलिपि:- भारत सरकार, पर्यावरण वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय, रांची / झारखण्ड सरकार, पर्यावरण वन एवं जलवायु परिवर्तन विभाग, रांची / प्रमुख वन संरक्षक-सह-कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, रांची / वन संरक्षक, प्रादेशिक अंचल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

ह0/-

क्षेत्रीय मुख्य वन संरक्षक,  
हजारीबाग

ज्ञापांक : 1008

दिनांक : 07.6.2024

प्रतिलिपि:- वन प्रमंडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल को सूचना एवं आवश्यक कार्रवाई हेतु प्रेषित। समिति के सभी सदस्यों की अतिरिक्त प्रति संलग्न भेजने का अनुरोध है कि कार्यालय आदेश की प्रति सभी सदस्यों को हस्तगत कराकर इसकी पावती अभिलेख हेतु इस कार्यालय को भेजने का कष्ट करें।

क्षेत्रीय मुख्य वन संरक्षक,  
हजारीबाग

# THRIVENI SAINIK PBNW PRIVATE LIMITED

Project Office: C/o. NTPC Ltd., Langatu, PO: Barkagaon,

Dist.: Hazaribag-825311, Jharkhand, India

Phone : 06546-223115, Email : asn@thrivenisainik.com



PBNW

Ref: TSPPL/Consultant/PBNW/23-24/01

Date: 18<sup>th</sup> Aug 2023

To,

Indian Institute of Technology (Indian School of Mines)

Department of Environmental Sc & Engineering

(Centre of Mining Environment)

Indian Institute of Technology (Indian School of Mines)

IIT (ISM), Dhanbad – 826004, Jharkhand, India

Kind Attention: - Dr. Biswajit Paul, Professor & Head, Centre of Mining Environment, ISM

**Sub: Scientific Studies for Forest Clearance of Pakri Barwadih North West Coal Block of PBCMP, NTPC Ltd.**

Ref: Email on Aug 15, 2023 & Aug 18, 2023 - reg

Dear Sir,

With reference to above and subsequent discussion with us, we are pleased to place the work order on you with the scope, deliverable and conditions as stipulated hereunder. Henceforth Indian Institute of Technology (Indian School of Mines) would be called as 'ISM / Service Provider / Consultant' and M/s Thriveni Sainik PBNW Pvt. Ltd would be called as 'TSPPL'.

## A. SCOPE OF WORK:

### 1. Scope of Services Provider:

ISM shall fulfill the below requirement as given in condition of Stage-I Forest clearance vide Ltr. No "F. No. 8-56/2009/I/44905/2023 –FC Dtd: 26th May, 2023".

- Reclamation, Eco restoration, and Conservation Plan will be prepared by conducting proper study before initiating mining activities.
- Study of river-aquifer interaction using non-invasive geo-physical technique in 10 km radius of NTPC Pakri Barwadih North West Coal Block Site will be conducted to facilitate the delineation of groundwater potential zones, ground water variation in these zones and help in water budgeting to the surroundings.
- An integrated soil and water conservation plan will be prepared and implemented for the entire landscape affected by the mining activities in the region.
- The Catchment Area Treatment Plan will be prepared and implemented at the cost of the user agency for the treatment of all Nallahs/streams pertaining to instant mining lease/project area.
- Generation/assessment/validation of drone survey data on spatial and seasonal status of Khorra Nalla & Pakwa Nalla watersheds for having first-hand information on the current status of the Khorra and Pakwa Nalas watershed parallel to the ongoing mining activities.
- The Service Provider shall collect data, processing and interpretation in effective and exclusive manner.
- The verification and certification by the agency shall be to the satisfaction of State Forest Department.

### 2. Scope of TSPPL:

- Mine plans and other required documents will be provided for the study.
- Available scientific studies and reports will be provided for the study.
- Engagement of officials to support the scientific study and report preparation.

### 3. Report Submission:

- The Consultant shall ensure that draft report (soft copy) need to be submitted for review within 6 months from the date of order issue and final report submission within one month from the date of review by Project Proponent.
- Separate report to be provided for each scope (a to e) mentioned in the scope of service provider for MOEF submission.
- The Service Provider is tasked with the responsibility of offering clear and detailed explanations about the report submitted to M/s. NTPC Ltd.

Registered Office

F.No.-2, S-VIII, Rama Krishna Puram, South Delhi, New Delhi, India - 110022

CIN: U14294DL2020PTC362932

**नवीन कुमार / NAVIN KUMAR**

वन प्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS





- d) The Service Provider should be ready to provide explanations to the act of addressing any doubts, queries, or uncertainties to M/s. NTPC Ltd, as and when required by TSPPL.
- e) The requirement to provide clarifications and explanations should adhere to the terms and conditions laid out in the work order. The Service Provider needs to ensure that they meet the obligations and expectations defined in the contract.
- f) The Service Provider shall submit 2 hard copies of the interim and final certification report along with a soft copy.
- g) The report should be submitted in the favor of Pakri Barwadih North West Coal Block, M/s NTPC Ltd. For every individual study, separate report shall be submitted in the name of Pakri Barwadih North West Coal Block, M/s NTPC Ltd.

#### **B. RATE / ORDER VALUE:**

1. Schedule of Charges.

S. No	Description	Amount (Rs.)
1	Scientific Studies for Forest Clearance of Pakri Barwadih North West Coal Block	Rs. 25,00,000/- (Twenty Five Lakhs Only)

2. GST 18% Extra
3. The price is firm and binding throughout the term of the contract term and no escalation is admissible during the contract term.
4. Taxes: Taxes extra as per the Govt.'s works contract rule and if tax slab changes during the Contract validity period then the new tax slab will be applicable;
5. No TDS will be deducted. An educational institute IIT(ISM) is exempted from Income Tax under Section 10 (23C) (iiab), of Income Tax Act 1961
6. The Service Provider shall settle and clear all the outstanding liabilities before the settlement of final payment.

#### **C. VALIDITY & TERMINATION OF CONTRACT:**

1. Effective date of Contract: 18.08.2023
2. Contract Validity period: 18.08.2023 to 28.02.2024.
3. TSPPL reserves the right of extension or cancellation of the contract, by serving an advance 7 days' notice; no compensation is tenable for the said termination.
4. Termination:
  - a) In the event, where, Service provider fails to comply with the conditions, responsibilities, and scope etc. as mentioned w.r.t the 'Work order'.
  - b) In the event of Service provider's failure to execute the work/study with due diligence and/or up to the expectation and satisfaction of TSPPL; in such cases, TSPPL reserves the right to complete the remaining work on behalf of the 'Service provider' and complete the work at risk and cost of the Service provider.
  - c) In the event that the Services are terminated, the Service provider shall be entitled for payment of such part of the Services rendered up to the date of termination only.

#### **D. PAYMENT TERMS:**

1. The payment shall be released as follows:
  - a) Advance payment of 50% along with Work Order.
  - b) Remaining 50% of payment will be made after submission of final report of the study.
2. TAXES: Payment to 'Service Provider' shall subject to deduction of Tax at source as applicable as per statute Taxes, Duties, and payable to State/Central Government, local bodies are to be borne by the 'Service Provider'.

*Navin Kumar*  
**नवीन कुमार / NAVIN KUMAR**  
 महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag

*3.82*



3. PAYMENT: - Payment will be done only by E-Payment, Cheque or Demand Draft. In case of E-Payment and Demand Draft; the bank charges will be deducted. ISM or the duly authorized representative may collect the payment on behalf of ISM. At the time of release of payment, the Contractor should produce valid document whichever is applicable and called for by TSPPL.

4. Billing Address: Bills/Invoices with 02 set of hard copies, to be sent to TSPPL at the following address:

Thriveni Sainik PBNW Private Ltd, Project Office, Langatu  
Barkagaon, Hazaribag Dist, Jharkhand, PIN: 825311

## **E. GENERAL CONDITIONS OF CONTRACT**

### **1. INDEMNITY**

- a) The Service provider shall indemnify and keep indemnified and save harmless TSPPL from and against all actions, suits, proceedings, losses costs, damages, charges, claims and demands of every nature in the execution of the works or in violation of any terms of this contract.
- b) TSPPL reserves the right to deduct/recover the money due to the Service provider any sum notified under the provisions of the relevant Act(s) caused because of violations of any terms and conditions of this contract during or after the contract tenure.
- c) The Service provider shall indemnify TSPPL against all or any payments to be made under and for the observance of any Act, rules & Regulations aforesaid without prejudice to their right to claim indemnity from their staff / sub agencies.

### **2. FORCE MAJEURE**

For any reason whatsoever, which is beyond the reasonable control of both parties such as serious law and order issues, lock-outs, work stoppages, natural calamities, Pandemic, epidemic, lock out, quarantine, embargo, riots, war (whether declared or not), radiation issues etc and / or work is prohibited by way of any notice/circular order enacted by statutory bodies, preventing the project/business work to continue (even temporarily), in such cases, obligations of either party would be excused upon documentary evidence for such periods, only. TSPPL will not be required to make the payment for such period of stoppage and at its discretion can decide to foreclose the contract. Both parties to contract reciprocally will not be held responsible for any concurrent and / or consequential losses in this regard.

### **3. CONFIDENTIALITY**

The Service provider shall always keep confidential the contents of this Agreement and will not make any disclosure of the existence of this Agreement or any terms of this Agreement without the consent of the TSPPL, unless required by law.

The Service provider agrees to promptly return all Confidential Information and copies thereof, that is documentary altered or copied, or changed in any way within 10 (ten) days from the written request of TSPPL or on the completion of the Services.

### **4. ASSIGNMENT**

The Service provider shall not, without previous consent of TSPPL in writing, assign any benefit or obligations under this Agreement or any part thereof to any other person or parties.

### **5. DISPUTE RESOLUTION**

Service provider and TSPPL shall meet at a mutually agreed time and place and shall put in their best efforts to resolve in an amicable, efficient and effective manner any dispute which may arise from time to time in connection with this Contract.

*Nan Kumar*  
**नवीन कुमार / NAVIN KUMAR**  
ज्येष्ठ महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

*S. S.*





6. **ARBITRATION**

If at any time dispute arises between TSPPL and the Service provider in course of operation of this 'Work order' the dispute shall be referred to 3 arbitrators, one from each side under the provision of Arbitration & Conciliation Act 1996 and later amendments if any. The nominated arbitrators shall appoint a chairman arbitrator. The arbitration proceeding shall be held at Ranchi District in the State of Jharkhand under the Jurisdiction of Court of Law of State Jharkhand. For all purpose and legal dispute will be under the jurisdiction of the Court of Law at Ranchi, Hazaribagh, Jharkhand.

7. **JURISDICTION**

The parties hereto unconditionally and irrevocably agree to submit to the exclusive jurisdiction of the competent courts in Ranchi only with regard to any question or matter arising out of this Agreement and any other documents that may be executed by the parties hereto or any of them in pursuance hereof or arising here from.

8. **INTELLECTUAL PROPERTY (IP) RIGHTS**

All copyrights, design rights or patents in all drawings, reports, specifications, calculations and other documents supplied/produced by the Service provider ('the Intellectual Properties') shall belong to TSPPL, subject to the condition that TSPPL shall pay the professional fees as per relevant clause of this Agreement for the completed level of service. In the case of early termination of this Agreement, TSPPL shall have the exclusive proprietary right for the partial completed set of documents without any restriction. TSPPL shall at all time will be at its liberty to continue with the Project/partial completed set of documents either by itself or by appointing any third party Service providers. However, the documents provided by Service provider is required to be used by TSPPL for other purpose which is not related to the project under consideration here, then written approval shall be taken from Service provider for usage.

Thanking You,  
Yours faithfully

For Thriveni Sainik PBNW Pvt. Ltd. (TSPPL)



Authorized Signatory



"The above mentioned terms and conditions are acceptable to us and we shall abide by these." Accepted on behalf of  
Indian Institute of Technology (Indian School of Mines)

Authorized Signatory

  
**नवीन कुमार / NAVIN KUMAR**  
प्र. महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



**DEPARTMENT OF ENVIRONMENTAL SCIENCE & ENGINEERING**  
(Centre of Mining Environment)  
**Indian Institute of Technology (Indian School of Mines) Dhanbad**  
Dhanbad, Jharkhand, India- 826004

---

To  
The AGM  
PB North-West Coal Mining Project  
Site Office: Sikri, Barkagaon  
NTPC Ltd,  
Hazaribagh, Jharkhand

Generate Drone Survey data on the spatial and Seasonal status of the Khora and Pakwa Nala watersheds to have first-hand information on the current status of the Khora and Pakwa Nala watersheds parallel to the ongoing mining activities in the study area, of NTPC PBCMP North West Project Report.

### 1. Introduction

The NTPC-operated PBCMP (Plantation, Biodiversity Conservation, and Monitoring Project) aims to study the current status of the Khora Nala and Pakwa Nala watersheds. Data collection for this study has been conducted across different seasons.

### 2. Objective of the Study-

- To evaluate the existing status of the Khora Nala and Pakwa Nala watersheds.
- To analyze the impacts of mining activities.
- To study geographical and environmental changes according to the seasons of Khora and Pakwa Nala.

### 3. Data Collection Process

- **Drone Survey:-** Drone-Survey images series on the spatial and Seasonal status of Khora and Pakwa nala (Watersheds) has been collected.
- Atmospheric corrected Drone images of Khora Nala and Pakwa nala Watershed were taken. (All images captured by high-potential UAVs).
- **Field Work:-** Physical inspections and measurements were conducted to validate the drone data survey.
- All necessary data for this study has been successfully collected.

### 4. Seasonal Data Collection

- **Summer:-** Measurement of water levels, Changes in land use assessment of vegetation health
- **Monsoon:-** Water flow and flood conditions, Soil erosion studies.
- **Winter:-** Assessment of water drainage and evaluation of regeneration status.

### 5. Data Analysis

The process of compiling and analyzing data collected from various seasons is currently underway. Conclusions are being drawn based on all the necessary data.

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.) Ph: ++91(326) 2296624/2235285/2296625 (Office); Fax: +91 (326) 2296563, 2296624,

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag





DEPARTMENT OF ENVIRONMENTAL SCIENCE & ENGINEERING  
(Centre of Mining Environment)  
Indian Institute of Technology (Indian School of Mines) Dhanbad  
Dhanbad, Jharkhand, India- 826004

---

6. Institutional Contribution

The study is being conducted by ISM IIT Dhanbad, which plays a crucial role in data collection and analysis.

7. Conclusions and Recommendations

Strategies for watershed management will be developed based on the study's findings.

Yours Faithfully

*Biswajit Paul*

Prof. Biswajit Paul  
Head, Centre for Mining Environment  
Dept. of Environmental Science and Engineering  
IIT (ISM), Dhanbad-826004, Jharkhand, India  
E-mail: biswajit@iitism.ac.in

*Navin Kumar*  
**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

## UNDERTAKING

(UA shall generate drone survey data on spatial and seasonal status of Khorra Nalla & Pakwa Nalla watersheds.)

I, Shri Navin Kumar, Dy. General Manager (Env't. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Drone Survey data generation on spatial and seasonal status of Khorra Nala & Pakwa Nala watersheds is under progress. Work for the study has been awarded to IIT-ISM"*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env't. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV'T. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



## UNDERTAKING

(Study of river-aquifer interaction)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Report is under finalisation on River-aquifer interaction using non-invasive geo-physical technique in 10 km radius of Pakri Barwadih Coal mine. Work for the same has been awarded to IIT-ISM"*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag  
**नवीन कुमार / NAVIN KUMAR**  
सुप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



एक महारत्न कम्पनी

एनटीपीसी लिमिटेड

(भारत सरकार का उद्यम)

**NTPC Limited**

(A Govt. of India Enterprise)

कोयला खनन परियोजनाएँ, हजारीबाग

Coal Mining Projects, Hazaribag

Date: 30.03.2024

Ref. No. NTPC/PB-NW/2024/234

To,

Divisional Forest Officer,  
Hazaribagh West Forest Division,  
Hazaribagh, Jharkhand

**Subject: Submission of Reclamation, Eco- restoration, and Conservation Plan with respect to the Condition No - v of Stage-I Forest Clearance for 331.198 Ha forest area for Pakri Barwadih North-West (Proposal No.: FP/JH/MIN/38798/2019)**

Dear Sir,

It is humbly submitted that Clearance for diversion of 331.198 Ha forest area was granted by MoEF&CC vide Ltr. No "F. No. 8-56/2009 -FC-(Vol) dtd: 26th May 2023" for Pakri Barwadih North-West Coal mining project of NTPC Limited.

Condition-v of the Stage-I Forest Clearance stipulates that:

**"Since the area is rich in species composition therefore Reclamation, Eco- restoration, and Conservation Plan shall be prepared by conducting proper study before initiating mining activities."**

Accordingly, the plan has been prepared and being submitted 02 copies to your good office for kind consideration.

Thanking you,

Yours sincerely

*Navin Kumar*

(Navin Kumar)

Dy. GM (Envt. Mgmt.)

PB & PB-NW CMP, NTPC Ltd.

नवा - कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएँ / COAL MINING PROJECTS

हजारीबाग / Hazaribag

Copy to : RCCF, Hazaribagh

: PCCF cum Nodal officer, Ranchi, GoJH

कोयला खनन परियोजनाएँ, सिकरी साईट कार्यालय, बड़कागाँव, हजारीबाग - 825311

Coal Mining Projects, Sikri Site Office, Barkagaon, Hazaribag - 825311

पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7, इंस्टिट्यूशनल एरिया, लोदी रोड, नई दिल्ली - 110003. टेलीफोन नं./Tel: 011-24387333, फेक्स/NTPLimited

Registered Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodi Road, New Delhi - 110003. E-mail : ntpccc@ntpc.co.in

हजारीबाग / Hazaribag





एनटीपीसी लिमिटेड

(भारत सरकार का उद्यम)

**NTPC Limited**

(A Govt. of India Enterprise)

कोयला खनन परियोजनाएँ, हजारीबाग  
Coal Mining Projects, Hazaribag

Date: 30.08.2024

Ref. No. NTPC/PB-NW/2024/279

To,

**Divisional Forest Officer,**  
Hazaribagh West Forest Division,  
Department of Forest- GoJH, Hazaribagh, Jharkhand

**Subject: Submission of Catchment Area Treatment Plan & Integrated Soil and Water Conservation Plan regarding Stage-I Forest Clearance for 331.198 Ha forest area for Pakri Barwadih North-West (Proposal No.: FP/JH/MIN/38798/2019)**

Ref.: 1) Office Order No. 106 & 107 dated 24.07.2024 from PCCF, Jharkhand

Dear Sir,

With regard to the aforementioned plans i.e. Catchment Area Treatment Plan & Integrated Soil and Water Conservation Plan in reference to compliance of conditions – vi & vii of Stage-I FC of Pakri Barwadih North-West Coal Mine, a meeting was held at PCCF office, Ranchi on 19.07.2024. Modifications were suggested in plans vide letters mentioned under reference above.

It is humbly submitted that modifications have been incorporated in both the plans in accordance with the observations and suggestions made by Forest office and both plans are being submitted to your good office for further processing.

Thanking you,

Yours sincerely

*Navin Kumar*

(Navin Kumar)

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएँ / COAL MINING PROJECTS

हजारीबाग / Hazaribag

Copy to: 1) Principal Chief Conservator of forest, Jharkhand, Ranchi  
2) Regional Chief Conservator of Forest, Hazaribagh

कोयला खनन परियोजनाएँ, सिकरी साईट कार्यालय, बड़कागाँव, हजारीबाग – 825001  
Coal Mining Projects, Sikri Site Office, Barkagaon, Hazaribag - 825001

पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप कॉम्प्लेक्स, 7, इंस्टिट्यूशनल एरिया, लोदी रोड, नई दिल्ली – 110003. टेलीफोन नं./Tel: 011-243873534, फैक्स नं./Fax: 011-243873518  
Registered Office : NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodi Road, New Delhi - 110003. E-mail : ntpccc@ntpc.co.in, www.ntpc.co.in



Office Order No. 32

Date. 08-08-2023

**Sanction Order of the Site-Specific Wildlife Management Plan with reference to diversion of 331.198 ha of forest land Pakri Barwadih North Coal Mining Project in favour of M/s. NTPC Ltd in Hazaribagh district of Jharkhand.**

The instant Site-Specific Wildlife Management Plan (referred to as "the Plan" here in after) has been prepared by Ecos Offset Private Ltd on behalf of M/s. NTPC Ltd in Hazaribagh. (referred to as "the User Agency or M/s NTPC Ltd") in pursuance of the following conditions/ Terms of Reference laid by MoEF&CC under item no (viii) and (xxviii) of Stage-I vide latter no. 8-56/2009-FC (Vol) dated 26-05-2023 for diversion of 331.198 Ha of forest land under Pakri Barwadih North Coal Mining Project in Hazaribag district of Jharkhand:

The aforesaid Term of Reference laid by the Central Government reads as follows:

*viii. The mining in the area should be in consonance with the "integrated Wildlife Management Plan" of North Karanpura. The cost estimate of integrated Wildlife Management Plan (IWMP) submitted is based on the rate of 2010, while approval is being considered in 2023, hence rate revision has to be done based on the present rate."*

*xxviii. No damage to the flora and fauna of the adjoining area shall be caused.*

In the above stated background, the Regional Chief Conservator of Forests, Hazaribag (RCCF, Hazaribag) vide his letter no. 1546 dated 22.06.2023 has submitted the Plan to the office of the undersigned for its due sanction.

In order to examine the plan prescriptions a communication was issued to the Regional Chief Conservator of Forests, Hazaribag, vide this office letter no. 889 dated 19.07.2023, to arrange a Power-Point Presentation on 25-07-2023 in the Office chamber of the undersigned. The presentation was made by the PP in the presence of RCCF, Hazaribag, DFO, Hazaribag West, Sri H.S Gupta (Ex PCCF, Wildlife, Jharkhand), Sri Sachin Yadav, Senior Manager, Pakri Barwadih North West Coal Mine, NTPC Ltd and Sri Kislay Kumar (Consultant) Ecos Offset Private Ltd.

The cost of the Plan with respect to the activities to be carried out by DFO, Hazaribag West has been estimated to be Rs. 4531.46 lakh. The summary of the proposed interventions (component wise) under the Plan with the objective of conservation of forest and wildlife resources as also to mitigate the impacts of mining on forests and wildlife is as follows:



S.N.	Work Component	Cost estimates (Rs. In Lakh) To be implemented by the DFO Hazaribag West
1	Biodiversity Enhancement	1757.16
2	Measures for forest protection, anti-depredation and wildlife protection	351.41
3	Fire prevention and protection of habitat	227.37
4	Livelihood improvement and capacity building to local people	351.50
5	Capacity building of forest department for implementing, monitoring and supervision of plan	337.98
6	Establishment of Project Management Unit cum Elephant research center	512.20
7	Community-Development	133.60
8	Awareness promotion about Medecinal Plants and protection of endangered species.	65.00
9	Corpus Fund for ex Gratia payment (lumpsum Rs 10 Lakhs) to be topped up on advice by CWLW. Amount to be disbursed based on demand note from DFO Hazaribag West	10.00
10	Contingency amount	30.00
	<b>Total:-</b>	<b>3776.21</b>
		755.24
11	Cost Escalation @20%	4531.46
	<b>Grand Total:-</b>	<b>4531.46</b>

The Plan with a total financial outlay of Rs. 4531.46 Lakh extends over a period of 10 years (Year 2023-24 to 2032-33; tentatively) shall be utilized by the Forest Department through the DFO, Hazaribag West in accordance with the Plan prescriptions. Amount Rs 4531.46 Lakhs of SSWMP shall be deposited in CAMPA Account by User Agency.

Considering the proposals under the plan, 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 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. 4531.46 lakh 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, Hazaribag West, as delineated under the Plan, strictly in accordance with the prevailing norms under the Jharkhand Forest Department.



- (iii) *That the User Agency shall implement the activities mentioned under Chapter 4 of the Plan. The implementation shall be under the direction and strict supervision of DFO, Hazaribag West Division.*
- (iv) That as regards the funds earmarked against activities to be undertaken by the State Forest Department, DFO, Hazaribag West 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, Hazaribag shall accord sanction to the said APO following due process and he/she will closely monitor the progress of the activities undertaken by Divisional Forest Officer, Hazaribag West.
- (v) That the Conservator of Forests, Hazaribag shall supervise all the activities as per directions issued by the Forest Department from time to time.
- (vi) That the DFO, Hazaribag West shall carry out the activities under the Plan strictly as per the duly sanctioned APO.
- (vii) That the DFO, Hazaribag West shall ensure that no violation of duly sanctioned Working Plan of Hazaribag West Forest Division takes place during implementation of any of the activities involved in this plan over notified and demarcated forest land.
- (viii) That at least one year before the expiry of the instant Plan the User Agency shall formulate and submit to the Forest Department another plan in continuation of the instant plan for next 10 years. The impact of implementation of this Plan shall be evaluated by the competent authority.
- (ix) That the instant Plan is dynamic and may be revisited after every 2 years and a revised plan may be formulated as per need of the project impacted area and convenience of the implementing agencies. The revised plan, if any, shall be put up before the Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Jharkhand for its due approval.
- (x) 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 Divisional Forest Officer, Hazaribag West to the effect that they 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  
Wildlife and Chief Wildlife Warden, Jharkhand



Memo No.

Dated:

Copy forwarded to Deputy Director General of Forests (Central), Ministry of Environment, Forests and Climate Change, Integrated Regional Office, Harmu Housing Colony, Ranchi [E-mail: ro.ranchi-mef@gov.in] for information and necessary action.

Sd/-

Principal Chief Conservator of Forests  
Wildlife and Chief Wildlife Warden, Jharkhand

Memo No.

Dated:

Copy forwarded to Additional Chief Secretary, Department of Forests, Environment and Climate Change, Govt. of Jharkhand Ranchi/ Principal Chief Conservator of Forests, Jharkhand, Ranchi/ Principal Chief Conservator of Forests-cum-Executive Director, Wasteland Development Board, Jharkhand, Ranchi for Information.

Sd/-

Principal Chief Conservator of Forests  
Wildlife and Chief Wildlife Warden, Jharkhand

Memo No.

Dated:

Copy forwarded to Additional Principal Chief Conservator of Forests, CAMPA, Jharkhand, Ranchi with a copy of plan for Information and necessary action.

Sd/-

Principal Chief Conservator of Forests  
Wildlife and Chief Wildlife Warden, Jharkhand

Memo No. 1005

Dated: 03-08-2023

Copy forwarded to Regional Chief Conservator of Forests, Hazaribag/Conservator of Forests, Hazaribag/ Divisional Forest Officer, Hazaribag West Forest Division for information and necessary action.

Principal Chief Conservator of Forests  
Wildlife and Chief Wildlife Warden, Jharkhand

कार्यालय , वन प्रमंडल पदाधिकारी, हजारीबाग पश्चिमी वन प्रमंडल।

ज्ञापांक:

दिनांक:

प्रतिलिपि अपर महाप्रबंधक (खनन), एन0टी0पी0सी0 लिमिटेड, पकरी बरवाडीह कोल खनन परियोजना, सिकरी साईट कार्यालय, बडकागांव, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह0/-

वन प्रमंडल पदाधिकारी,  
हजारीबाग पश्चिमी प्रमंडल

ज्ञापांक: 444A

दिनांक: 10/8/23

प्रतिलिपि वन क्षेत्र पदाधिकारी, बडकागांव प्रक्षेत्र को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

वन प्रमंडल पदाधिकारी,  
हजारीबाग पश्चिमी प्रमंडल





कार्यालय – वन प्रमंडल पदाधिकारी,  
हजारीबाग पश्चिमी वन प्रमंडल, वन भवन, हजारीबाग

☎ 06546-222339, Email- [dfo.hazaribaghw@rediffmail.com](mailto:dfo.hazaribaghw@rediffmail.com) & [dfo-hazaribaghw@gov.in](mailto:dfo-hazaribaghw@gov.in)

सेवा में,

पत्रांक : ५९०६

दिनांक: ०१/०९/२३

अपर महाप्रबंधक (पर्यावरण प्रबंधन),  
कोयला खनन परियोजनाएं,  
एन०टी०पी०सी० लिमिटेड,  
सिकरी साईट, बड़कागाँव, हजारीबाग

विषय:- एन०टी०पी०सी० लिमिटेड पकरीबरवाडीह उत्तरी-पश्चिमी ब्लॉक कोल माइनींग खनन परियोजना हेतु 331.198 हे० वन भूमि का अपयोजन प्रस्ताव पर भारत सरकार द्वारा स्टेज-1 की स्वीकृति में लगाये गये शर्तों के अनुपालन के संबंध में।

प्रसंग :- भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्रांक 8-56/2009/FC-(VOL) दिनांक 26.05.2023, प्रधान मुख्य वन संरक्षक-सह-कार्यकारी निदेशक, बंजर भूमि विकास बोर्ड, झारखण्ड, रांची का ज्ञापांक 569 दिनांक 30.05.2023 एवं वन संरक्षक, प्रादेशिक अंचल, हजारीबाग का ज्ञापांक 1151 दिनांक 02.06.2023 तथा आपका पत्रांक 160 दिनांक 20.07.2023, पत्रांक 168 दिनांक 18.08.2023 तथा इस कार्यालय का पत्रांक 4256 दिनांक 02.08.2023।

महाशय,

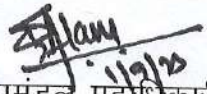
उपर्युक्त विषयक प्रसंगाधीन पत्र के संदर्भ में सूचित करना है कि विषयक परियोजना में भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली का पत्रांक 8-56/2009/FC-(VOL) दिनांक 26.05.2023 द्वारा 32 शर्तों के साथ स्टेज-1 की सैद्धांतिक स्वीकृति प्रदान की गई है। जिसमें शर्त संख्या xi(b) में क्षतिपूरक वनरोपण (659.93 हे०) एवं शर्त संख्या xiii के क्रम में (1.84 हे०) सेफ्टी जोन पर वृक्षारोपण की राशि 15,62,23,890.00 (पन्द्रह करोड बासठ लाख तईस हजार आठ सौ नब्बे रुपये। प्राक्कलन संलग्न), xi(b) के क्रम में पक्का सीमा स्तम्भ की राशि 40,13,800.00 (चालीस लाख तेरह हजार आठ सौ रूपया) एवं शर्त संख्या xviii एन०पी०सी० राशि 44,94,72,117.78 (चौवालीस करोड चौरानबे लाख बहतर हजार एक सौ सत्रह रूपया अठहतर पैसे), तथा शर्त संख्या Viii & xxviii



के आलोक में प्रधान मुख्य वन संरक्षक, वन्य प्राणी प्रतिपालक, झारखण्ड, रांची का कार्यालय  
आदेश संख्या 32 झापांक 1005 दिनांक 3.08.2023 द्वारा अनुमोदित IWMP की राशि  
45,31,46,000.00 (पैंतालीस करोड एकतीस लाख छियालीस हजार रुपया ( पत्र की छाया प्रति  
संलग्न) कुल **106,28,55,807.78** ( एक सौ छः करोड अठ्ठाइस लाख पचपन हजार आठ सौ  
सात रुपये अठहत्तर पैसे ) मात्र भुगतेय राशि e-Portal (<https://parivesh.nic.in/>) के  
माध्यम से कैम्पा के खाता में जमा करते हुए भारत सरकार द्वारा लगाये गये सभी शर्तों का  
कंडिकावार अनुपालन प्रतिवेदन 08 प्रति में समर्पित करना सुनिश्चित किया जाय। साथ ही  
इस मांग पत्र में वर्णित अन्य मदों में विभागीय उच्चाधिकारियों द्वारा किसी तरह का संशोधन  
होता है तो संशोधित राशि भी आपको जमा करना होगा।

अनु०-यथोक्त।

आपका विश्वासी,

  
वन प्रमंडल पदाधिकारी  
हजारीबाग पश्चिमी प्रमंडल





## संशोधित मांग पत्र

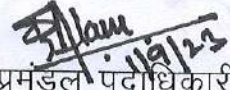
भारत सरकार द्वारा सैद्धान्तिक सहमति प्रसंग- 8-56/2009/FC-(VOL) दिनांक 26.05.2023 द्वारा एन0टी0पी0सी0 लिमिटेड पकरीबरवाडीह उत्तरी ब्लॉक कोल माइनींग खनन परियोजना हेतु 331.198 हे0 वन भूमि का अपयोजन का प्रस्ताव पर भारत सरकार द्वारा सशर्त सैद्धान्तिक सहमति में निहित शर्तों के आलोक में मांग पत्र:-

हजारीबाग पश्चिमी वन प्रमण्डल

वनों का घनत्व :- 0.8

मद	रकवा	दर (हे0)	राशि (रु0)
(1.) एन0पी0सी0	331.198 हे0	1357110.00	44,94,72,117.78 (चौवालीस करोड चौरानबे लाख बहत्तर हजार एक सौ सत्रह रुपया एवं अठहत्तर पैसे) मात्र।
(2.) क्षतिपूरक वनरोपण राशि  • सेफ्टी जोन का रकवा - 1.23 हे0 • क्षतिपूरक वनरोपण के लिए सेफ्टी जोन का 1.5 गुना रकवा-1.84 हे0 • वनभूमि रकवा (सेफ्टी जोन के बिना) - 329.968 हे0 (331.198 - 1.23) • क्षतिपूरक वनरोपण के लिए वनभूमि रकवा का दोगुना - 659.93 हे0 (329.968 * 2) • कुल क्षतिपूरक वनरोपण रकवा (1.5 गुना सेफ्टी जोन + 2 गुना वनभूमि) - 661.77 हे0 (659.93 + 1.84)	क्षतिपूरक वनरोपण के वास्तविक गणना के आधार पर मांग की गई राशि। (मजदूरी दर- 346.01 रु0 प्रति मानव दिवस)		15,62,23,890.00 (पन्द्रह करोड बासठ लाख तईस हजार आठ सौ नब्बे रुपये (प्राक्कलन संलग्न) मात्र।
(3) पक्का सीमा स्तम्भ	854 Pillar x @ 4700.00		40,13,800.00 (चालीस लाख तेरह हजार आठ सौ) मात्र
(4) वन्य प्राणी प्रबंधन योजना	प्रधान मुख्य वन संरक्षक, वन्यप्राणी एवं मुख्य वन्य प्राणी प्रतिपालक, झारखण्ड रांची का कार्यालय आदेश संख्या 32 दिनांक 03.08.2023 एवं ज्ञापक 1005 दिनांक 03.08.2023 द्वारा अनुमोदित वन्य प्राणी प्रबंधन योजना की राशि		45,31,46,000.00 (पैंतालीस करोड एकतीस लाख छियालीस हजार) मात्र
			कुल :- 106,28,55,807.78 ( एक सौ छः करोड अठ्ठाईस लाख पचपन हजार आठ सौ सात रुपये अठहत्तर पैसे मात्र)

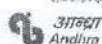
यदि मांग पत्र में संशोधन होता है तो संशोधित राशि विभाग के पक्ष में देय होगा।

  
 वन प्रमंडल पदाधिकारी  
 हजारीबाग पश्चिमी प्रमंडल



## AGENCY COPY

यूनियन बैंक ऑफ इंडिया Union Bank of India



## NEFT / RTGS CHALLAN for CAMPA Funds

Date : 18-11-2023

Agency Name.	NTPC - PAKRI BARWADIH COAL MINING PROJECT
Application No.	5838798908
MoEF/SG File No.	8-56/2009-FC VOL.
Location.	JHARKHAND
Address.	SITE OFFICE SIKRI, POST BARKAGAON Hazaribag
Amount(in Rs)	1062855807/-

Amount in Words :One Hundred and Six Crore Twenty-Eight Lakh Fifty-Five Thousand Eight Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	JHARKHAND CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150725838798908 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

- This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

## BANK COPY

यूनियन बैंक ऑफ इंडिया Union Bank of India



## NEFT / RTGS CHALLAN for CAMPA Funds

Date : 18-11-2023

Agency Name.	NTPC - PAKRI BARWADIH COAL MINING PROJECT
Application No.	5838798908
MoEF/SG File No.	8-56/2009-FC VOL.
Location.	JHARKHAND
Address:	SITE OFFICE SIKRI, POST BARKAGAON Hazaribag
Amount(in Rs)	1062855807/-

Amount in Words :One Hundred and Six Crore Twenty-Eight Lakh Fifty-Five Thousand Eight Hundred and Seven Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	JHARKHAND CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150725838798908 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

- This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank , epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / OGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

Pakri Barwadih CMP  
Sikri Site Office, P.O. Barkaga  
Hazaribag - JHARKHAND 825311

Name of the Company: **NTPC Limited**  
Registered Office: NTPC Bhawan, SCOPE Complex, 7, Institutional Area  
Lodi Road, New Delhi - 110003  
CIN: **L40101DL1975GOI007966**  
PAN: **AAACN0255D**  
Telephone No.:  
FAX No.:  
e-Mail:  
Website: [www.ntpc.co.in](http://www.ntpc.co.in)

Ref No. / सन्दर्भ संख्या: IN35R/2023262147/22.11.2023

To / सेवा में,  
Ad-hoc CAMPA Account No CA 1587  
CORPORATION BANK  
DG FOREST & SPECIAL SECRETARY,  
GOI, MOEF, PARYAVARAN BHAVAN  
CGO COMPLEX LODHI ROAD  
NEW DELHI 110003  
Email :

Date / दिनांक: 28.11.2023

Dear Sir / Madam,  
आदरणीय महोदय/महोदया,

We are pleased to inform you that the company has arranged to remit the amount as per the following details, directly to your bank Union Bank of India, FCS Centre, Bangalore account number 150725838798908 with Payment Ref No : SBINR12023112485848761.

हमें आपको यह सूचित करने में प्रसन्नता हो रही है कि कंपनी ने निम्नलिखित विवरण के अनुसार राशि को सीधे आपके बैंक Union Bank of India, FCS Centre, Bangalore खाता संख्या 150725838798908 पर प्रेषित करने की व्यवस्था की है।

Total Amount Paid	453,146,000.00
-------------------	----------------

Amount ( in words ) / राशि : Rupees Forty-Five Crore Thirty-One Lakh Forty-Six Thousand

The amount has been credited to your bank account as indicated above through Electronic Clearing Service (ECS) and therefore, no service charge is deductible by your bank.

उपरोक्त वर्णित राशि इलेक्ट्रॉनिक क्लियरिंग सेवा (ईसीएस) के माध्यम से आपके बैंक खाते में जमा की गई है और इसलिए, आपके बैंक द्वारा इसके लिए कोई सेवा शुल्क नहीं लगाया जा सकता है।

If the amount is not received in your account kindly contact the EIC (Engineer In Charge) / Store Department, giving the above reference number.

यदि राशि आपके खाते में प्राप्त नहीं होती है तो कृपया ईआईसी (इंजीनियर प्रभारी) / स्टोर विभाग से उपरोक्त संदर्भ संख्या के साथ संपर्क करें।

This is a computer generated communication and does not require any signature.

यह संचार कंप्यूटर द्वारा निष्पादित है, तथा इसमें किसी भी हस्ताक्षर की आवश्यकता नहीं है।

This is a computer generated communication, For any query contact EIC.

  
**नवीन कुमार / NAVIN KUMAR**  
प्रमाण प्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
ज्वला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag





NTPC Limited

Pakri Barwadih CMP  
Sikri Site Office, P.O. Barkaga  
Hazaribag - JHARKHAND 825311

Name of the Company	NTPC Limited
Registered Office	NTPC Bhawan, SCOPE Complex, 7, Institutional Area Lodi Road, New Delhi - 110003
CIN	L40101DL1975GOI007966
PAN	AAACN0255D
Telephone No.	
FAX No.	
e-Mail	
Website	www.ntpc.co.in

Ref No. / सन्दर्भ संख्या: KC58R/2023265633/25.11.2023

To / सेवा में,  
Ad-hoc CAMPA Account No CA 1587  
CORPORATION BANK  
DG FOREST & SPECIAL SECRETARY,  
GOI, MOEF, PARYAVARAN BHAVAN  
CGO COMPLEX LODHI ROAD  
NEW DELHI 110003  
Email :

Date / दिनांक: 28.11.2023

Dear Sir / Madam,  
आदरणीय महोदय/महोदया,

We are pleased to inform you that the company has arranged to remit the amount as per the following details, directly to your bank **Union Bank of India, FCS Centre, Bangalore** account number **150725838798908** with Payment Ref No : **SBINR12023112586053399**.

हमें आपको यह सूचित करने में प्रसन्नता हो रही है कि कंपनी ने निम्नलिखित विवरण के अनुसार राशि को सीधे आपके बैंक **Union Bank of India, FCS Centre, Bangalore** खाता संख्या **150725838798908** पर प्रेषित करने की व्यवस्था की है।

Total Amount Paid	449,472,118.00
-------------------	----------------

Amount ( in words) / राशि : Rupees Forty-Four Crore Ninety-Four Lakh Seventy-Two

The amount has been credited to your bank account as indicated above though Electronic Clearing Service (ECS) and therefore, no service charge is deductible by your bank.

उपरोक्त वर्णित राशि इलेक्ट्रॉनिक क्लियरिंग सेवा (ईसीएस) के माध्यम से आपके बैंक खाते में जमा की गई है और इसलिए, आपके बैंक द्वारा इसके लिए कोई सेवा शुल्क नहीं लगाया जा सकता है


If the amount is not received in your account kindly contact the EIC (Engineer In Charge) / Store Department, giving the above reference number.

यदि राशि आपके खाते में प्राप्त नहीं होती है तो कृपया ईआईसी (इंजीनियर प्रभारी) / स्टोर विभाग से उपरोक्त संदर्भ संख्या के साथ संपर्क करें.

This is a computer generated communication and does not require any signature.

यह संचार कंप्यूटर द्वारा निष्पादित है, तथा इसमें किसी भी हस्ताक्षर की आवश्यकता नहीं है

This is a computer generated communication, For any query please contact EIC.

  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. M)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJ  
हजारीबाग / Hazaribag



NTPC Limited

Pakri Barwadih CMP  
Sikri Site Office, P.O. Barkaga  
Hazariabag - JHARKHAND 825311

Name of the Company **NTPC Limited**  
Registered Office NTPC Bhawan, SCOPE Complex, 7, Institutional Area  
Lodi Road, New Delhi - 110003  
CIN **L40101DL1975GOI007966**  
PAN **AAACN0255D**  
Telephone No.  
FAX No.  
e-Mail  
Website [www.ntpc.co.in](http://www.ntpc.co.in)

Ref No. / सन्दर्भ संख्या: KC58R/2023265634/25.11.2023

To / सेवा में,  
Ad-hoc CAMPA Account No CA 1587  
CORPORATION BANK  
DG FOREST & SPECIAL SECRETARY,  
GOI, MOEF, PARYAVARAN BHAVAN  
CGO COMPLEX LODHI ROAD  
NEW DELHI 110003  
Email :

Date / दिनांक: 28.11.2023

Dear Sir / Madam,  
आदरणीय महोदय/महोदया,

We are pleased to inform you that the company has arranged to remit the amount as per the following details, directly to your bank **Union Bank of India, FCS Centre, Bangalore** account number **150725838798908** with Payment Ref No : **SBINR12023112586053398**.

हमें आपको यह सूचित करने में प्रसन्नता हो रही है कि कंपनी ने निम्नलिखित विवरण के अनुसार राशि को सीधे आपके बैंक **Union Bank of India, FCS Centre, Bangalore** खाता संख्या **150725838798908** पर प्रेषित करने की व्यवस्था की है।

Total Amount Paid	160,237,690.00
-------------------	----------------

Amount ( in words) / राशि : Rupees Sixteen Crore Two Lakh Thirty-Seven Thousand Six

The amount has been credited to your bank account as indicated above through Electronic Clearing Service (ECS) and therefore, no service charge is deductible by your bank.

उपरोक्त वर्णित राशि इलेक्ट्रॉनिक क्लियरिंग सेवा (ईसीएस) के माध्यम से आपके बैंक खाते में जमा की गई है और इसलिए, आपके बैंक द्वारा इसके लिए कोई सेवा शुल्क नहीं लगाया जा सकता है।

If the amount is not received in your account kindly contact the EIC (Engineer In Charge) / Store Department, giving the above reference number.

यदि राशि आपके खाते में प्राप्त नहीं होती है तो कृपया ईआईसी (इंजीनियर प्रभारी) / स्टोर विभाग से उपरोक्त संदर्भ संख्या के साथ संपर्क करें।

This is a computer generated communication and does not require any signature.

यह संचार कंप्यूटर द्वारा निष्पादित है, तथा इसमें किसी भी हस्ताक्षर की आवश्यकता नहीं है।

This is a computer generated communication, For any query, please contact EIC.

  
**नवीन कुमार / NAVIN KUMAR**  
असistant Engineer (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazariabag





Transforming lives

NTPC Limited

**Pakri Barwadih CMP**  
Sikri Site Office, P.O. Barkaga  
Hazaribag - JHARKHAND 825311

Name of the Company **NTPC Limited**  
Registered Office NTPC Bhawan, SCOPE Complex, 7, Institutional Area  
Lodi Road, New Delhi - 110003  
CIN **L40101DL1975GOI007966**  
PAN **AAACN0255D**  
Telephone No.  
FAX No.  
e-Mail  
Website [www.npsc.co.in](http://www.npsc.co.in)

Ref No. / सन्दर्भ संख्या: MM54R/2024264085/27.11.2024

To / सेवा में,

Date / दिनांक: 28.11.2024

Ad-hoc CAMPA Account No CA 1587  
CORPORATION BANK  
DG FOREST & SPECIAL SECRETARY,  
GOI, MOEF, PARYAVARAN BHAVAN  
CGO COMPLEX LODHI ROAD  
NEW DELHI 110003  
Email :

Dear Sir / Madam,  
आदरणीय महोदय/महोदया,

We are pleased to inform you that the company has arranged to remit the amount as per the following details, directly to your bank Union Bank of India, FCS Centre, Bangalore account number 150725838798963 with Payment Ref No : SBINR12024112765595816.

हमें आपको यह सूचित करने में प्रसन्नता हो रही है कि कंपनी ने निम्नलिखित विवरण के अनुसार राशि को सीधे आपके बैंक Union Bank of India, FCS Centre, Bangalore खाता संख्या 150725838798963 पर प्रेषित करने की व्यवस्था की है।

Total Amount Paid	433,826,500.00
-------------------	----------------

**Amount ( in words) / राशि :** Rupees Forty-Three Crore Thirty-Eight Lakh Twenty-Six

The amount has been credited to your bank account as indicated above through Electronic Clearing Service (ECS) and therefore, no service charge is deductible by your bank.

उपरोक्त वर्णित राशि इलेक्ट्रॉनिक क्लियरिंग सेवा (ईसीएस) के माध्यम से आपके बैंक खाते में जमा की गई है और इसलिए, आपके बैंक द्वारा इसके लिए कोई सेवा शुल्क नहीं लगाया जा सकता है।

If the amount is not received in your account kindly contact the EIC (Engineer In Charge) / Store Department, giving the above reference number.

यदि राशि आपके खाते में प्राप्त नहीं होती है तो कृपया ईआईसी (इंजीनियर प्रभारी) / स्टोर विभाग से उपरोक्त संदर्भ संख्या के साथ संपर्क करें।

This is a computer generated communication and does not require any signature.

यह संचार कंप्यूटर द्वारा निष्पादित है, तथा इसमें किसी भी हस्ताक्षर की आवश्यकता नहीं है।

This is a computer generated communication, For any query please contact EIC.

Navin Kumar  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रदूषण नियंत्रण, नवीन जमा)  
एनटीपीसी लिमिटेड  
कोयला खनन परियोजनाएं, कोयला परियोजनाएं  
हजारीबाग, झारखंड

**AGENCY COPY**

यूनियन बैंक Union Bank of India  
आंध्र प्रदेश Jharkhand Corporation

**NEFT / RTGS CHALLAN for CAMPA Funds**  
Date : 19-11-2024

Agency Name.	NTPC - PAKRI BARWADIH COAL MINING PROJECT
Application No.	5838798963
MoEF/SG File No.	8-56/2009-FC VOL.
Location.	JHARKHAND
Address.	SITE OFFICE SIKRI, POST BARKAGAON Hazaribag
Amount(in Rs)	433826500/-

Amount in Words :Forty-Three Crore Thirty-Eight Lakh Twenty-Six Thousand Five Hundred Rupees Only

**NEFT/RTGS to be made as per following details;**

Beneficiary Name:	JHARKHAND CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150725838798963 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

• This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

**BANK COPY**

यूनियन बैंक Union Bank of India  
आंध्र प्रदेश Jharkhand Corporation

**NEFT / RTGS CHALLAN for CAMPA Funds**  
Date : 19-11-2024

Agency Name.	NTPC - PAKRI BARWADIH COAL MINING PROJECT
Application No.	5838798963
MoEF/SG File No.	8-56/2009-FC VOL.
Location.	JHARKHAND
Address:	SITE OFFICE SIKRI, POST BARKAGAON Hazaribag
Amount(in Rs)	433826500/-

Amount in Words :Forty-Three Crore Thirty-Eight Lakh Twenty-Six Thousand Five Hundred Rupees Only

**NEFT/RTGS to be made as per following details;**

Beneficiary Name:	JHARKHAND CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150725838798963 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

• This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

**Note:** After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank , epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

Navin Kumar

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / उप महाप्रबंधक (Environment Management)  
एनडीपीसी सिस्टिम्स/NTPC Ltd  
कोयला वन्य परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



To,

Officer on Special duty,  
Ad-hoc CAMPA,  
4<sup>th</sup> Floor,Block No.3,CGO Complex,  
New Delhi-110003.

Please confirm the amount whether deposited in CAMPA or not through return Email.

**Proforma**

1.	Name of regional office:	Regional Office, Ranchi
2.	State/Disst./forest Division to which proposal relates	Jharkhand
3.	Name of User agency, nature of proposal	PAKRI BARWADIH NORTH-WEST QUARRY of NTPC Ltd (Diversion of 331.198 Ha forest land) Proposal No. FP/JH/MIN/38798/2019
4.	Extent of forest area involved	331.198 HA
5.	Whether original or extension	Original
6.	If extension of lease, please clarify if proposal involves additional forest area, an if so, specify	N.A.
7.	Date of 1 <sup>st</sup> stage clearance	26/05/2023
8.	Extent of CAMPA charges, head wise viz:	
	(a) Compensatory afforestation	Rs. 15,62,23,890.00
	(b) Additional CA	-
	(c) Penal CA	-
	(d) Catchment Area Treatment	Rs. 38,78,86,000.00
	(e) wildlife Management plan	Rs. 45,31,46,000.00
	(f) Additional charges for diversion of area falling under notified/protected areas	-
	(g) Net Present Value	Rs. 44,94,72,118.00
	(h) any other charges/Levies (Pl Specify)	Rs. 40,13,800.00 (pillaring cost for CA land)
	(i) Integrated Soil & Water conservation Plan (lumpsum payment i.e. 0.5% of project cost as per clause 1.22(i) of Ch-1 of Forest Handbook on Consolidated Guidelines & Clarification dated 29.12.2023)	Rs. 4,59,40,500.00
9.	Details of Bank (Bank, draft No., Date & amount), Head wise against items indicated in paragraph 8 above.	STATE BANK OF INDIA, CAG II NEW DELHI Account No. 39883615375 IFSC : SBIN0017313
10.	Whether deposited by RTGS, if so. The particulars & date of remittance (UTR No)	Rs. 45,31,46,000.00 (UTR No. SBINR12023112485848761) date: 28.11.2023
		Rs. 44,94,72,118.00 (UTR No. SBINR12023112586053399) date: 28.11.2023
		Rs. 16,02,37,690.00 (UTR No. SBINR12023112586053398) date: 28.11.2023
		Rs. 43,38,26,500.00 (UTR No. SBINR12024112765595816) date: 27.11.2024
11	Bank (corporation Bank, Lodhi Complex/Union Bank of India, Sunder Nagar) in which deposited, with date of deposition	1) Ad-HoC CAMPA A/c No. 150725838798908, IFSC - UBIN0996335 of Union Bank of India 2) Ad-Hoc CAMPA A/c No. 150725838798963, IFSC - UBIN0996335 of Union Bank of India
12	Any other remarks	

  
नवीन कुमार  
(User Agency)  
रूप मंत्रालय (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

(Divisional Forest Officer)

Signature of Nodal Officer


## UNDERTAKING

(Mining should be in consonance with the "Integrated Wildlife Management Plan" of North Karanpura.)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"The mining in the area shall be in consonance with the "Integrated Wildlife Management Plan" of North Karanpura."*

For NTPC Ltd.

  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag





Ref: No. RED(CM) Sectt./PBCMP/EMG/2023/445

Date: 02.06.2023

To,  
The Principal Chief Conservator of Forest & HoFF,  
Govt. of Jharkhand  
Block-A, Van Bhawan, Doranda  
Ranchi, Jharkhand

Sub: 1. Proposal for non-forestry use of 331.198 Ha of forest land in favour of NTPC Ltd. For Pakri Barwadih (North-West) Coal Mining Project  
2. Modification in condition of Stage-II approval and violation of FC Act for Pakri Barwadih Coal Mining Project- reg.

Dear Sir,

Ministry of Coal (MoC), GoI allocated Pakri Barwadih Coal Mining Project (PBCMP) located in North Karanpura Coalfields to NTPC Ltd. vide allotment letter no. 13016/29/2003-CA dated 11.10.2004 and DO No. 13016/29/2003-CA (Part) dated 24.08.2005.

The Mining Plan was approved by Ministry of Coal vide letter no. 13016/29/2003 CA-I dated 25.08.2006 and subsequently Revised Mining Plan was approved by MoC vide letter no. 13016/29/2003-CA (Part) dated 07.03.2016.

The Environment Clearance (EC) was granted by the Ministry of Environment, Forest and Climate Change (MoEF&CC) vide letter no. J-11015/692/2007-IA. II (M) dated 19.05.2009 and amendment dated 29.06.2016 and 14.08.2018. Stage-I and Stage-II Forest Clearance were accorded vide letter dated 11.05.2010 & 17.09.2010 respectively.

At present, PBCMP is an operational mine which has produced 50.51 million tonnes of coal till May'23 since inception and is expected to reach its peak rated capacity (PRC) of 15 million tonnes in FY 23-24. However, achievement of PRC is subject to the expansion of the existing pit on the eastern side which is being restricted due to non-diversion of Dumuhani nallah. The Dumuhani nallah has not been diverted due to condition no. 7 of Stage-I FC and condition no. 8 of Stage-II FC which states that:

Quote -

"The user agency will take up programme for at least 50 m green belt along the sides of the Pakwa nallah and Dumuhani nallah from the initial years under the supervision of the state forest department."

Un-Quote.

NTPC, vide letter dated 09.10.2018 (**Annexure-1**), had requested Director General of Forest (FC) for making amendments to the abovementioned condition as per following:

- green belt development along the sides of Pakwa and Khorra nallah instead of Pakwa and Dumuhani nallah since Dumuhani nallah is passing through the block which needs to be diverted as per the CWPRS report (study was conducted in line with condition no. (iv) of the Environment Clearance); and

1 of 3 | Page



- b. change in the width of green belt development from 50 m to 15 m in line with regulation no. 149 of Coal Mines Regulation, 2017.

The above requests were reiterated through multiple letters and raised during various review meetings of the ministry. A brief on this issue is enclosed as **Annexure-2**.

Our request was considered for discussion during the FAC meeting on 25.04.2023 (**Annexure-3**) and following decisions were made which were communicated by MoEF&CC, New Delhi vide letter dated 25.05.2023 (**Annexure-4**) :

a. At para-2 of the point no-4,

Quote –

"The user agency shall restore and conserve the Khorra Nalla (west) and Pakwa Nalla (east) watersheds on priority basis under supervision of the forest department and expert hydrologists/agencies and develop their watershed status as per the Survey of India toposheet no. 73 E/I. A greenbelt of 100 meters on either side of both Khorra Nala and Pakwa Nalla shall be maintained".

Un-Quote.

Herein, we would like to submit that, mining activities have already been carried while maintaining 50 m width for green belt as per FC granted to NTPC in 2010. The increase of green belt width 50 m to 100m will lead to loss of around 16 million tonnes of coal.

b. At para-3 of the point no-4,

Quote –

".....the penalty shall be imposed for violation committed over the forest area (1026.438 Ha) without approval equal to five times the normal NPV plus simple interest of 12% from the date of actual violation committed till the deposition of penalty shall be imposed."

Un-Quote.

It is pertinent to mention here that **1026.438 Ha is the total forest area** which was diverted for coal mining to PBCMP in favour of M/s NTPC Ltd whereas alleged violated forest area is 37.20 Ha as mentioned at point no 3.V.b of the FAC minutes (**Annexure-4**) which is reproduced below:

Quote –

"Despite repeated cautions from the officials of the Forest Department, the user agency has violated the provisions of condition no 8 of the Stage-II approval by diverting the Dumuhani nallah and carried out mining over a stretch of 31 km involving an area of 37.20 Ha of forest land without prior approval under the Forest (Conservation) Act, 1980"

Un-Quote.

Further, in the above referenced point, "3.1 Km" is the length of working stretch of the Dumuhani nallah. Considering the area of 1026.438 Ha, the penalty imposed against the alleged violation shall reach to the tune of 857 crores (approx.). The penalty amount, which is exorbitantly high, coupled with the loss of revenue against the blocked coal reserves of 16 million tonnes (due to increase in green belt width from 50 m to 100 m) will render our mining operations unviable.

Also, the penalty clause no 1.21(iii) of Chapter-1 of PART B of Forest Handbook, applicable in the instant case, is reproduced below:

Quote –

"(iii) Violation /noncompliance of any conditions imposed while granting approval under FC Act.  
In such cases the penalty will be imposed on the recommendation of the APCCF Regional office in



whose jurisdiction the alleged violation has occurred. The violation will be reported to REC/FAC and the committee will give time to comply the conditions within stipulated time.

- a. In case the offence is proved then the penalty shall be imposed for violation committed over forest area without approval equal to twice the normal NPV.
- b. In case of public utility projects of the government the penalty shall be 20 % of the penalty proposed in para (a) above."

Un-Quote.

The penalty as per clause (a) comes out to be Rs. 9.14 crores and clause (b) comes out to be Rs. 1.83 crores (calculation sheet as per the above clause is attached as **Annexure-5**).

In view of the above, it is requested that the following may kindly be considered:

- a. Delinking of stage-II clearance of Pakri Barwadih (North-West) with deposition of penal NPV and other penal levies as imposed in case of diversion of 1026.438 ha forest land for Pakri Barwadih. (FAC minutes attached as **Annexure-6**).
- b. Change in the width of green belt development from 50 m to 15 m in line with regulation no. 149 of Coal Mines Regulation, 2017.
- c. The area pertaining to violation may be changed from 1026.438 Ha (total area diverted for Pakri Barwadih Coal Mining Project) to 37.20 Ha (alleged violated forest area) and stretch of alleged violation area may be changed from 31 Km to 3.1 Km.
- d. Exorbitantly high penalty may be reviewed in line with clause no 1.21(iii)(a) of Chapter-1 of PART B of Forest Handbook.

It is requested for your kind help and support in resolving the above points.

Thanking you,

Yours faithfully,

(M.V.R. Reddy)

Regional Executive Director

Enclosed Annexures:

Annexure-1: Our letter 1040/PBCMP/EMG/2018/F-28/31748 dated 09.10.2018

Annexure-2: Brief on Dumuhani nala

Annexure-3: Agenda No-2 of FAC MOM dated 25.04.2023

Annexure-4: MoEF & CC letter 8-56/2009-FCpt dated 25.05.2023

Annexure-5: Penalty Calculation sheet

Annexure-6: Agenda No-1 of FAC MOM dated 25.04.2023

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag





शिवम श्रीवास्तव  
निदेशक (ईंधन)  
SHIVAM SRIVASTAVA  
Director (Fuel)

एनटीपीसी लिमिटेड  
(भारत सरकार का उद्यम)  
**NTPC Limited**  
(A Government of India Enterprise)  
केन्द्रीय कार्यालय/Corporate Centre

Ref. No. D(Fuel) Sectt/ Nov23/01

Dated: 09.11.2023

To,

**The Director General of Forest & Special Secretary  
Ministry of Environment, Forest & Climate Change (MoEF&CC),  
Indira Paryavaran Bhawan, Jor Bagh  
New Delhi.**

**Subject:**

1. Reconsideration of penal NPV imposed while Stage -II FC amendment of Pakri Barwadih Coal Mining Project (1026.438 ha).
2. Delinking of Stage-II Forest Clearance of PB-North West (331.198ha) from the deposition of penal NPV of Pakri Barwadih CMP. Reg.

**Ref.**

1. FC Amendment Letter dated 25.05.2023 to PBCMP (1026.438 ha)
2. Stage-1 Forest clearance granted to PB - NW Coal Mining Project.
3. NTPC request letters dated: 18.05.2023, 02.06.2023, 24.07.2023, 03.08.2023, 17.10.2023 for reconsideration of subject matter.
4. Secy (MoP) DO No. 11/25/2023-Th.I dated 30.10.2023.

Dear Sir,

With reference to above subject it is to submit that Ministry of Coal (MoC), GoI allocated the Pakri barwadih Coal Mining Project (PBCMP) to NTPC Ltd in the year 2004. The environment clearance (EC) was granted on 19.05.2009 and the Stage-II forest clearance was granted to Pakri barwadih Coal Mining Project (PBCMP) (1026.438 Ha) vide MoEF ltr ref. no. F.No. 8-56/2009-FC on 17.09.2010. NTPC on 09.10.2018 requested MoEF & CC for amendment of Condition no. 8 of Stage-II FC accorded to PBCMP. Subsequently the matter was pursued at different levels.

FAC during its meeting dated 25.04.2023, recommended the amendment to Forest Clearance Condition no. 8 of Stage-II FC for Pakri-Barwadih Coal Mining Project (PBCMP) (1026.438 ha). However, a penalty was imposed with penal NPV (5 times the normal NPV on total Forest Land with 12% interest) of Rs 857.52 Crs on the entire forest land (1026.438 ha) along with a condition of maintaining 100m green belt (against requested 15m) along the Khorra Nalla (West) and Pakwa Nalla (East). (Annexure-I).

Also, Stage-I clearance for diversion of 331.198 ha of forest land was accorded for Pakri Barwadih Northwest Coal Mining Project (PB-NW CMP) (Annexure-II), but Stage-II FC clearance of PB-NW was interlinked with the deposition of Penal NPV of PBCMP, vide point no 4 &(X) of 4 of agenda-1 of FAC MoM 25.04.2023.

Corporate Identification Number : L40101DL1975GO1007966

एनटीपीसी भवन, कोर-7, पाववा तल, स्कोपे कम्प्लेक्स, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110 003 टेल: 011-24360880, 24381012, फैक्स / Fax : 011-24368417  
NTPC Bhawan, Core-7, 5th Floor, SCOPE Complex, 7, Institutional Area, Lodhi Road, New Delhi-110 003, E-mail : shivamsrivastava@ntpc.co.in, web site : www.ntpc.co.in

नवीन कुमार / NAVIN KUMAR  
आयुक्त निदेशक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag





**शिवम श्रीवास्तव**  
निदेशक (ईंधन)  
**SHIVAM SRIVASTAVA**  
Director (Fuel)

**एनटीपीसी लिमिटेड**  
(भारत सरकार का उद्यम)  
**NTPC Limited**  
(A Government of India Enterprise)  
केन्द्रीय कार्यालय/Corporate Centre

NTPC Ltd is committed to comply with all the statutory obligations and have always complied the stipulations made in the statutory clearances accorded with our mines. In this regard, we humbly submit to your good office to kindly reconsider the matter as below:

- Waival of penal NPV imposed on the NTPC for Pakri-Barwadih coal mining project.*
- Delinking of stage-II forest clearance of Pakri Barwadih (North-West) with the deposition of penal NPV of PBCMP.*
- Permit to maintaining of green belt of 15 m along Pakwa and Khora Nala in line with the regulation no 149 of Coal Mines regulation, 2017.*

Submitted for kind consideration please.

Thanking You

Yours faithfully

*S. Srinivasan*

(Shivam Srivastava)

Director (Fuel) & Nominated Owner of Mines

Enclosures: as above.

*Navin Kumar*

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

Corporate Identification Number : L40101DL1975GO1007966

एनटीपीसी भवन, कोर-7, पांचवां मंजूर, स्कोप कॉम्प्लेक्स, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली-110 003 टेल/फैक्स : 011-24360860 24381012 ईमेल : shivamsrivastava@ntpc.co.in, web site : www.ntpc.co.in  
NTPC Bhawan, Core-7, 5th Floor, SCOPE Complex, 7 Institutional Area, Lodhi Road, New Delhi-110 003, E-mail : shivamsrivastava@ntpc.co.in, web site : www.ntpc.co.in

NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन)  
एनटीपीसी लिमिटेड  
कोयला खनन परियोजनाएँ  
हजारीबाग

(3) If any dispute arises as to whether stone dust barriers or other alternative precautionary measures are required to be provided in any part of a gassy seam of the first degree, under sub-regulation (1), the question shall be referred to the Chief Inspector who shall decide the same.

**147. Precautions against eruption of gas.**— Where any working is extended to within 30 meters of any goaf or disused workings containing or likely to contain an accumulation of inflammable or noxious gases, there shall be maintained at least one bore-hole not less than 1.5 meters deep in advance of the working and the operation of drilling the bore hole shall be carried out under the supervision of a competent person, and no lamp or light other than an approved safety lamp or torch shall be used in any such working.

**148. Recovery and exploratory work.**— (1) After an explosion of inflammable gas or coal dust has occurred in a mine, only such persons as are authorised by the manager or by the principal official present at the surface, shall be allowed to enter the mine.

(2) Where it is intended or proposed to reopen a mine or part thereof, which has been isolated, sealed off or flooded with water to deal with a fire or spontaneous heating, the owner, agent or manager shall not less than thirty days before the commencement of such work, give notice in writing of such intention or proposal to the Regional Inspector and the Chief Inspector.

(3) Where it is intended to carry out any exploratory work in a mine or part belowground likely to contain irrespirable atmosphere, -

- (a) all work shall be done under rescue cover only;
- (b) no party of less than three persons shall be allowed to proceed to carry out such work; and
- (c) every such party shall carry a suitable apparatus approved by the Chief Inspector for detecting carbon monoxide gas and also an approved flame safety lamp.

**149. Danger from surface water.**— (1) Where any mine or part thereof is so situated that there is any danger of inrush of surface water into the mine or part, adequate protection against such inrush shall be provided and maintained, and whether such protection is adequate or not may be determined by the Chief Inspector, whose decision shall be final.

(2) Except with the previous permission of the Chief Inspector in writing and subject to such conditions as he may specify therein and subject to the provisions of sub-regulation (1), every entrance into a mine shall be so designed, constructed and maintained that its lowest point (which means the point at which a body of rising water on surface can enter the mine) shall be not less than 1.5 meters above the highest flood level at that point.

(3) Every year, during the rains constant watch shall be kept on the flood levels on the surface of the mine and if at any time the levels cross the highest levels earlier recorded, such levels shall be marked by permanent posts along the edges of water and the new highest levels thus observed shall be recorded with the date as the highest flood level on the plans by an actual survey:

Provided that the highest flood level shall not be plotted on plans by interpolations.

(4) If there are water dams or reservoirs built across rivers and water courses on the upstream side of the mine, arrangements shall be made for communication between appropriate authorities for the purpose of ascertaining the quantity and timing of water released from the dams which is likely to endanger safety of the mine and arrangement for similar communication shall be made when water level rises on the upstream side which is likely to endanger any mine.

(5) In every mine which is likely to be endangered by surface water, the highest flood levels and danger levels at least 1.2 meters or as required by the Regional Inspector, below the highest flood level, shall be permanently marked at appropriate places on the surface and whenever water rises towards the danger level at any place, all persons shall be withdrawn from the mine sufficiently in advance and for this purpose adequate arrangements of quick communication to all parts of the mine by effective systems shall be provided and maintained.

(6) **No working shall be made in any mine vertically below-**

- (a) any part of any river, canal, lake, tank or other surface reservoir; or
- (b) any spot lying within a horizontal distance of 15 meters from either bank of a river or canal or from the boundary of a lake, tank or other surface reservoir,



except with the previous permission in writing of the Chief Inspector and subject to such conditions as he may specify therein.

(7) Every application for permission under sub-regulation (6) shall be accompanied by two copies of a plan and section showing the existing position of the workings of the mine, the proposed layout of workings, the depth of the workings from the surface, the position and depth of any goaves in every seam in the neighborhood, all faults, dykes and other geological disturbances and such other particulars as may affect the safety of the mine or of the persons employed therein.

**Explanation.**— Where sand or alluvium are lying in the course of a river, canal, lake, tank or reservoir, the depth from the surface shall be reckoned from the surface of hard ground underlying such sand or alluvium.

(8) All workings made under sub-regulation (6) shall be clearly demarcated belowground.

(9) A competent person shall, once at least in every fourteen days during the rainy season and once at least in every thirty days during other periods of the year, examine every protective measure provided under sub-regulations (1), (2), (3), (4) and (5), whether in use or not, for their stability, and a report of every such examination shall be recorded in a bound paged book kept for the purpose, which shall be signed and dated by the person making the examination and countersigned and dated by the manager.

(10) The protective measures and workings shall also be inspected, once at least in every quarter by the manager personally.

**150. Danger from underground inundation.**— (1) Proper provision shall be made in every mine to prevent eruption of water or other liquid matter or any material that is likely to flow when wet from the workings of the same mine or of an adjoining mine and to prevent accidents while drilling bore-holes for probe or release of a body of water or other liquid matter or any material that is likely to flow when wet.

(2) Where work is being done in –

- (i) any seam or section below another seam or section; or
- (ii) any place in a seam or section, which is at a lower level than any other place in a lower seam or section; or
- (iii) any place in a seam approaching a fault passing through an upper seam or section, which contains or may contain an accumulation of water or other liquid matter or any material that is likely to flow when wet; or
- (iv) any water-bearing strata,

all useful information including the position, extent and depth of the above mentioned features shall be acquired and kept recorded and a scheme of working designed to prevent eruption of water or other liquid matter or any material that is likely to flow when wet shall be prepared and put into operation.

(3) Without prejudice to the requirement of sub-regulation (1) and sub-regulation (2), no working which has approached within a distance of 60 meters of any other working (not being a working which has been physically examined and found to be free from accumulation of water or other liquid matter or any material that is likely to flow when wet), whether in the same mine or in an adjoining mine, shall be extended further except with the prior permission in writing of the Chief Inspector and subject to such conditions as he may specify therein.

For the purposes of this sub-regulation, the distance between the said workings shall mean the shortest distance between the workings of the same seam or between any two seams or sections, as the case may be, measured in any direction whether horizontal, vertical or inclined.

(4) Every application for permission to extend any working referred to in sub-regulation (3) shall be accompanied by two copies of the plan and section showing-

- (a) the outlines of all such disused or abandoned workings in relation to the working approaching them and also the depth of such disused or abandoned workings from the surface;
- (b) the outlines, the layout and the method of the proposed working for which permission is sought;
- (c) the faults, dykes and other geological disturbances in relation to workings specified in clause (a) or (b); and







Project Name	Project No.	Scale	Date
Project Description	Project Location	Project Status	Project Manager

Project Name: [Blank]  
 Project No.: [Blank]  
 Scale: [Blank]  
 Date: [Blank]

Project Name	Project No.
Project Description	Project Location

Project Name: [Blank]  
 Project No.: [Blank]

21







**File No.: 8-56/2009-FCpt**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(Forest Conservation Division)**

\*\*\*\*\*

**Indira Paryavaran Bhawan,**  
Jor Bag Road, Aliganj,  
New Delhi – 110003  
**Dated: As per E-sign**

To,

**The Principal Secretary (Forests),**  
Government of Jharkhand,  
Ranchi.

**Subject: Diversion of 1026.438 ha of forest land for coal mining Pakribarwadih Project in favour of M/s NTPC Ltd. in Hazaribag West Forest Division in Hazaribag District of Jharkhand –reg.**

Madam/Sir,

I am directed to refer to the Government of Jharkhand letter No. Van Bhumi-75/2009-3376 dated 23.08.2024 on the above mentioned subject furnishing their comments with regard to the representation for modification in conditions of Stage-II approval of the subject cited proposal and other related matters and inform that the representation was considered by the Advisory Committee (AC) in its meeting held on 27.08.2024. The minutes of the meeting of the AC may kindly be seen at [www.parivesh.nic.in](http://www.parivesh.nic.in).

In this regard, keeping in view the facts of the proposal and the recommendations of the Advisory Committee it has been decided that:

- i. The condition no. 8 in the Stage-II approval issued vide Ministry's letter dated 17.09.2010 for diversion of 1026.438 ha of forest land for coal mining Pakribarwadih Project in favour of M/s NTPC Ltd. in Hazaribag West Forest Division in Hazaribag District of Jharkhand is modified as under:

*'The user agency shall restore and conserve the Khorra Nalla (west) and Pakwa Nalla (east) watersheds on priority basis under supervision of the forest department and expert hydrologists/agencies and develop their watershed status as per the Survey of India toposheet no. 73 E/I. A greenbelt of 50 meters on either side of both Khorra Nala and Pakwa Nala shall be maintained'.*

- ii. Further, in total disregard to the conditions of approval the user agency has mined out the area and changed the course of the Dumuhani nala, which was actually required to be protected and maintained as green belt. Keeping this in view, it has been decided to continue with the penalty imposed for violation committed over the forest area (1026.438 ha) without approval equal to five



times the normal NPV plus simple interest of 12% from the date of actual violation committed till the deposition of penalty.

- iii. The condition no. (x) of Stage-I approval issued vide Ministry's letter dated 26.05.2023 for Pakri Barwadih (North-West) (331.198 ha) proposal is waived off.

This issues with the approval of Competent Authority.

Yours sincerely,

Signed by

Suneet Bhardwaj

Date: 01-10-2024 11:53:31

(Suneet Bhardwaj)

**Assistant Inspector General of Forests**

**Copy to:**

1. The PCCF (HoFF), Department of Forest, Government of Jharkhand, Ranchi;
2. The Dy. DGF (Central), Regional Office, MoEF&CC, Ranchi
3. The Nodal Officer (FCA), Department of Forest, Government of Jharkhand, Ranchi;
4. User Agency;
5. Monitoring Cell, FC Division, MoEF&CC, New Delhi for uploading on PARIVESH portal.



# एनटीपीसी लिमिटेड

(भारत सरकार का उद्यम)

## NTPC Limited

(A Govt. of India Enterprise)

कोयला खनन परियोजनाएँ, हजारीबाग  
Coal Mining Projects, Hazaribag

Ref. No. NTPC/PB-NW/2023/F-24/156

Date: 13.07.2023

To,

Divisional Forest Officer,  
Hazaribagh West Division,  
Hazaribagh, Jharkhand

**Sub:** Regarding condition no- (ii) and (xi)-c of Stage-I Forest Clearance of Pakri-Barwadih (North-West) Opencast Coal Mining Project.

**Ref:** In-principle/Stage-I Forest Clearance for non-forestry use of 331.198 Ha of forest land in favour of M/s NTPC Limited for Pakri barwadih (NorthWest) Opencast Coal Mining Project dated 26<sup>th</sup> May 2023 (Copy enclosed)

Dear Sir,

NTPC has been granted in-principle/Stage-I Forest Clearance by MOEF & CC for non-forestry use of 331.198 Hectare area of forest land subject to fulfillment of various conditions.

The condition no (ii) of Stage-I approval stipulates following:

Quote

A team of specialists from field of Soil Engg, Agriculture Engg, Hydrology, GIS & Geology shall be constituted under chairpersonship of DFO concerned. The team shall continuously study the area for assessing the impact of on-going mining on various environmental/ecological parameter and submit findings/report to IRO annually.

Unquote

The condition no (xi)-c of Stage-I approval stipulates following:

Quote

The KML files of diverted area and the CA areas shall be uploaded on the e-Green watch portal with all requisite details prior to stage-II approval.

Unquote

In this regard, it is requested to direct for compliance of the above conditions, so that the compliance of Stage-I can be submitted by NTPC.

Submitted for your kind consideration.

Yours sincerely

*Navin Kumar*

[Navin Kumar]

Dy. GM (Env. Mgmt.),

PBCMP, NTPC Ltd.

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

कोयला खनन परियोजनाएँ, हजारीबाग / Coal Mining Projects, Hazaribag

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएँ, हजारीबाग / Coal Mining Projects, Hazaribag

Encl.: As above

*Navin Kumar*  
नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

कोयला खनन परियोजनाएँ, हजारीबाग / Coal Mining Projects, Hazaribag

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएँ, हजारीबाग / Coal Mining Projects, Hazaribag



## UNDERTAKING

(Demarcation of safety zone, its fencing, protection and regeneration)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"NTPC shall ensure demarcation of safety zone area (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."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
इन्टीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

## UNDERTAKING

(Fencing of safety zone boundary)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Proper fencing of the Safety zone of the mining lease, adjacent to habitation/roads shall be implemented."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



## UNDERTAKING

(The Safety zone shall be maintained as green belt)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Safety zone shall be maintained as green belt around mining lease and regeneration shall be taken up in this area by NTPC at project cost under the supervision of the State Forest Department."*

For NTPC Ltd.

*Navin Kumar*

[Navin kumar]

Dy. GM (Env. Mgmt.)

PB & PB-NW CMP

NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

इन्टीग्रेटी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag

## UNDERTAKING

(The maintaining of Safety zone as per prescribed norms)

I, Shri Navin Kumar, Dy. General Manager (Env't. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"NTPC shall ensure that safety zone is maintained as per the prescribed norms."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env't. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV'T. MGMT.)  
इन्टीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



## UNDERTAKING

(The cost of felling of trees)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"The cost of felling of trees will be deposited to the State forest Department."*

For NTPC Ltd.

[Navin kumar]

Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No.....**862**.....Dated...**13/7**.../2024**TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **21.32 Acre** of forest land proposed to be diverted in favour of "**NTPC Pakri Barwadih North West Coal Project**" in **Hazaribagh** district falls within jurisdiction of **Beltu** village in **Keredari** tehsil. Details are given below:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (ए० में)	गैर खास जंगल झाड़ी (ए० में)	कुल रकबा (ए० में)
1	बेलतु	190	58p	5.58	-	5.58
2			62p	1.34	-	1.34
3			84p	4.72	-	4.72
4			87	1.16	-	1.16
5			81p	-	0.52	0.52
6			143p	-	5.83	5.83
7			198p	-	0.46	0.46
8			214p	-	1.64	1.64
9			222p	-	0.07	0.07
कुल:-				12.80	8.52	21.32

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **21.32 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Beltu** village is enclosed as annexure 1 to 3.

**Navin Kumar**  
**नवीन कुमार / NAVIN KUMAR**  
 उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)  
 इन्टीग्रेटी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag




- (d) The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- (e) The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- (f) The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls.: As above.

  
Deputy Commissioner  
Hazaribagh

- ज्ञापांक.....862...../क0, हजारीबाग, दिनांक...13/7/2024
- प्रतिलिपि:- प्रधान सचिव, राजस्व एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- सचिव, खान एवं भूतत्व विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- आयुक्त, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- वन प्रमण्डल पदाधिकारी, पश्चिमी वन प्रमण्डल, हजारीबाग एवं अन्य संबंधित सदस्यों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- परियोजना निदेशक, एन०टी०पी०सी० को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- अनुमण्डल पदाधिकारी, सदर, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- अंचल अधिकारी, केरेडारी, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- जिला सूचना विज्ञान पदाधिकारी, एन०आई०सी०, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया जिला के वेबसाइट पर अपलोड करना सुनिश्चित किया जाय।

  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (प्रशासनिक) (MGMT.)  
एन०टी०पी०सी०  
झारखण्ड खनन विभाग  
PROJECTS

  
उपायुक्त,  
Deputy Commissioner  
HAZARIBAGH

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No.....**863**.....Dated **13/07/2024****TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **23.55 Acre** of forest land proposed to be diverted in favour of **"NTPC Pakri Barwadih North West Coal Project"** in **Hazaribagh** district falls within jurisdiction of **Urub** village in **Barkagaon** tehsil. Details are given below:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	सर्वे रकबा	अर्जित रकबा (ए० में)	अर्जित रकबा (हेक्टेयर में)	भूमि का प्रकार
1	उरुब / 41	49	635p	1.30	1.00	0.405	गैर मजरूआ जंगल झाड़ी
2			661	9.82	9.82	3.974	
3			666	7.95	7.95	3.217	
4			677p	6.91	4.75	1.922	
5			689p	2.89	0.03	0.012	
	कुल रकबा:-				23.55	9.531	

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **23.55 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Urub** village is enclosed as annexure 1 to 3.
- The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- The diversion of forest land for facilities managed by the Government as required under

*Navin Kumar*  
**नवीन कुमार / NAVIN KUMAR**  
 उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag



section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;

- (f) The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls.:As above.

  
Deputy Commissioner  
Deputy Hazaribag  
HAZARIBAG

- ज्ञापांक.....863...../क0, हजारीबाग, दिनांक.....13/31/2024
- प्रतिलिपि:- प्रधान सचिव, राजस्व एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- सचिव, खान एवं भूतत्व विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- आयुक्त, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- वन प्रमण्डल पदाधिकारी, पश्चिमी वन प्रमण्डल, हजारीबाग एवं अन्य संबंधित सदस्यों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- परियोजना निदेशक, एन०टी०पी०सी० को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- अनुमण्डल पदाधिकारी, सदर, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- अंचल अधिकारी, बड़कागाँव, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- जिला सूचना विज्ञान पदाधिकारी, एन०आई०सी०, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया जिला के वेबसाइट पर अपलोड करना सुनिश्चित किया जाय।

  
Deputy Commissioner  
Deputy Hazaribag  
HAZARIBAG

  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No. .... **1357** .....Dated.. **20/9/**.../2024**TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **493.86 Acre** of forest land proposed to be diverted in favour of "**NTPC Pakri Barwadih North West Coal Project**" in **Hazaribagh** district falls within jurisdiction of **Bariyatu** village in **Keredari** tehsil. Details are given below:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकवा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर०खास, जंगल भूमि (रकवा एकड़ में)	अभ्युक्ति
1	बरियातु	155	1	24.00	-	24.00	जंगल
			2	109.75	-	109.75	जंगल
			3	70.50	-	70.50	जंगल
			4	75.00	-	75.00	जंगल
			63p	20.41	-	20.41	जंगल
			232p	126.12	-	126.12	जंगल
			1686	67.50	-	67.50	जंगल
			21	-	0.09	0.09	जंगल-झाड़ी
			50	-	0.49	0.49	जंगल-झाड़ी
			<b>Total</b>	<b>493.28</b>	<b>0.58</b>	<b>493.86</b>	

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **493.86 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारिबाग / Hazaribag



the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Bariyatu** village is enclosed as annexure 1 to 3.

- (d) The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- (e) The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- (f) The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls.: As above.

  
Deputy Commissioner  
Hazaribag

- ज्ञापक.....1357...../क0, हजारीबाग, दिनांक.....20/9/...../2024
- प्रतिलिपि:- प्रधान सचिव, राजस्व एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- सचिव, खान एवं भूतत्व विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- आयुक्त, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- वन प्रमण्डल पदाधिकारी, पश्चिमी वन प्रमण्डल, हजारीबाग एवं अन्य संबंधित सदस्यों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- परियोजना निदेशक, एन०टी०पी०सी० को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- अनुमण्डल पदाधिकारी, सदर, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- अंचल अधिकारी, केरेडारी, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- जिला सूचना विज्ञान पदाधिकारी, एन०आई०सी०, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया जिला के वेबसाइट पर अपलोड करना सुनिश्चित किया जाय।

  
Deputy Commissioner  
Hazaribag

  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन, DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No..... **1358**Dated. **20/9/2024****TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **9.10 Acre** of forest land proposed to be diverted in favour of "**NTPC Pakri Barwadih North West Coal Project**" in **Hazaribagh** district falls within jurisdiction of **Jabra** village in **Keredari** tehsil. Details are given below:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकवा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर०खास, जंगल भूमि (रकवा एकड़ में)	अभ्युक्ति
1	जबरा	5	02	9.10	-	9.10	जंगल
			<b>Total</b>	<b>9.10</b>	<b>-</b>	<b>9.10</b>	

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **9.10 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Jabra** village is enclosed as annexure 1 to 3.
- The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls.: As above.

**नवीन कुमार / NAVIN KUMAR**  
 उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag

**Deputy Commissioner**  
**Hazaribag**



ज्ञापांक 1358/क0,

हजारीबाग, दिनांक 20/9/2024

- प्रतिलिपि:- प्रधान सचिव, राजस्व एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- सचिव, खान एवं भूतत्व विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- आयुक्त, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- वन प्रमण्डल पदाधिकारी, पश्चिमी वन प्रमण्डल, हजारीबाग एवं अन्य संबंधित सदस्यों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- परियोजना निदेशक, एन०टी०पी०सी० को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- अनुमण्डल पदाधिकारी, सदर, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- अंचल अधिकारी, करेडारी, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- जिला सूचना विज्ञान पदाधिकारी, एन०आई०सी०, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया जिला के वेबसाईट पर अपलोड करना सुनिश्चित किया जाय।

  
Deputy Commissioner  
Hazaribag

  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No....**1356**....Dated...**20/9/2024****TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **52.97 Acre** of forest land proposed to be diverted in favour of "**NTPC Pakri Barwadih North West Coal Project**" in **Hazaribagh** district falls within jurisdiction of **Kandaber village in Keredari tehsil**. Details are given below:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकवा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर०खास, जंगल भूमि (रकवा एकड़ में)	अभ्युक्ति
1	कण्डाबेर	110	212	10.13	-	10.13	जंगल
			375p	6.050	-	6.050	जंगल
			559	1.96	-	1.96	जंगल
			625	9.02	-	9.02	जंगल
			634	15.00	-	15.00	जंगल
			640	4.66	-	4.66	जंगल
			197	-	0.72	0.72	जंगल-झाड़ी
			271	-	0.27	0.27	जंगल-झाड़ी
			431	-	1.90	1.90	जंगल-झाड़ी
			444	-	0.13	0.13	जंगल-झाड़ी
			493	-	2.07	2.07	जंगल-झाड़ी
			527	-	0.59	0.59	जंगल-झाड़ी
			545	-	0.47	0.47	जंगल-झाड़ी
			<b>Total</b>	<b>46.82</b>	<b>6.15</b>	<b>52.97</b>	

It is further certified that:

- (a) The complete process for identification and settlement of rights under the FRA has been carried out for the entire **52.97 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- (b) The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारिबाग / Hazaribag



**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No. **1553**.....Dated **15/10/2024****TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **86.32 Acre** of forest land proposed to be diverted in favour of "**NTPC Pakri Barwadih North West Coal Project**" in **Hazaribagh** district falls within jurisdiction of **Basariya** village in **Keredari** tehsil. Details are given below:-

क्र०	ग्राम/ थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैरो खास, जंगल—झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैरो खास जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	बसरिया	5	27	24.00	-	24.00	
2		5	32	26.75	-	26.75	
3		5	34	31.75	-	31.75	
4		5	2	-	1.07	1.07	
5		5	10	-	1.33	1.33	
6		5	12	-	1.42	1.42	
Total				82.50	3.82	86.32	

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **86.32 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Basariya** village is enclosed as annexure 1 to 3.
- The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls.: As above.

Deputy Commissioner  
Deputy Commissioner  
Hazaribag

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No. **1553**.....Dated. **15/10/2024****TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **86.32 Acre** of forest land proposed to be diverted in favour of "**NTPC Pakri Barwadih North West Coal Project**" in **Hazaribagh** district falls within jurisdiction of **Basariya** village in **Keredari** tehsil. Details are given below:-

Basariya village in Keredar Tehsil. Details are given below.							
क्र०	ग्राम / थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर० खास जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	बसरिया	5	27	24.00	-	24.00	
2		5	32	26.75	-	26.75	
3		5	34	31.75	-	31.75	
4		5	2	-	1.07	1.07	
5		5	10	-	1.33	1.33	
6		5	12	-	1.42	1.42	
Total				82.50	3.82	86.32	

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **86.32 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Basariya** village is enclosed as annexure 1 to 3.
- The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls: As above.

*[Signature]*  
15/10/24  
Deputy Commissioner  
Deputy Commissioner  
Hazaribag

*[Signature]*  
**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



ज्ञापांक 1553 / क०,

हजारीबाग, दिनांक 15/10/2024

- प्रतिलिपि:- प्रधान सचिव, राजस्व एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- सचिव, खान एवं भूतत्व विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- आयुक्त, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- वन प्रमण्डल पदाधिकारी, पश्चिमी वन प्रमण्डल, हजारीबाग एवं अन्य संबंधित सदस्यों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- परियोजना निदेशक, एन०टी०पी०सी० को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- अनुमण्डल पदाधिकारी, सदर, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- अंचल अधिकारी, केरेडारी, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- जिला सूचना विज्ञान पदाधिकारी, एन०आई०सी०, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया जिला के वेबसाइट पर अपलोड करना सुनिश्चित किया जाय।

उपायुक्त  
Deputy Commissioner  
Hazaribag

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएँ / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No. **1554**.....Dated **15/10/2024****TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **70.71 Acre** of forest land proposed to be diverted in favour of **"NTPC Pakri Barwadih North West Coal Project"** in **Hazaribagh** district falls within jurisdiction of **Nawadih** village in **Keredari** tehsil. Details are given below:-

क्र०	ग्राम/ थाना सं०	खाला सं०	प्लॉट सं०	अधिसूचित वन भूमि (एकड़/एकड़ में)	गैर वन जंगल-आवासीय भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर वन जंगल भूमि (एकड़/एकड़ में)	अवधि
1	नावाडीह	3	162p	3.27	-	3.27	
			276p	0.15	-	0.15	
			399p	3.81	-	3.81	
			422	21.00	-	21.00	
			505	33.50	-	33.50	
			152p	-	0.80	0.80	
			174p	-	3.54	3.54	
			187p	-	0.39	0.39	
			207	-	2.14	2.14	
			218p	-	0.73	0.73	
			237p	-	0.06	0.06	
			316	-	1.32	1.32	
				<b>61.73</b>	<b>8.98</b>	<b>70.71</b>	

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **70.71 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Nawadih** village is enclosed as annexure 1 to 3.

*Navin Kumar*  
**नवीन कुमार / NAVIN KUMAR**  
 उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag



- (d) The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;
- (e) The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- (f) The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls.: As above.

Deputy Commissioner  
Deputy Commissioner  
Hazari Bag

ज्ञापांक 1554 / क०, हजारीबाग, दिनांक 15/10/2024

- प्रतिलिपि:- प्रधान सचिव, राजस्व एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- सचिव, खान एवं भूतत्व विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- आयुक्त, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- वन प्रमण्डल पदाधिकारी, पश्चिमी वन प्रमण्डल, हजारीबाग एवं अन्य संबंधित सदस्यों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- परियोजना निदेशक, एन०टी०पी०सी० को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- अनुमण्डल पदाधिकारी, सदर, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- अंचल अधिकारी, केरेडारी, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- जिला सूचना विज्ञान पदाधिकारी, एन०आई०सी०, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया जिला के वेबसाइट पर अपलोड करना सुनिश्चित किया जाय।

उपायुक्त  
Deputy Commissioner  
Hazari Bag

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazari Bag

**FORM-II**

(for projects other than linear projects)

**Government of Jharkhand****Office of the District Collector, Hazaribag****(Scheduled Tribe, Scheduled Caste, Minority and Backward Class Department)**No. 1555Dated 15/10/2024**TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's letter No.11- 9/98-FC (pt.) dated 3<sup>rd</sup> August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 ('FRA', for short) on the forest land proposed to be diverted for non-forest, it is certified that **60.56 Acre** of forest land proposed to be diverted in favour of "**NTPC Pakri Barwadih North West Coal Project**" in **Hazaribagh** district falls within jurisdiction of **Sirma** village in **Keredari** tehsil. Details are given below:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर०खास, जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	सिरमा	12	30p	50.80	-	50.80	
			97p	-	1.01	1.01	
			144	-	2.68	2.68	
			195	-	2.47	2.47	
			240	-	1.82	1.82	
			245	-	0.30	0.30	
			247	-	0.74	0.74	
			291	-	0.33	0.33	
			296	-	0.41	0.41	
		<b>Total</b>	<b>50.80</b>	<b>9.76</b>	<b>60.56</b>		

It is further certified that:

- The complete process for identification and settlement of rights under the FRA has been carried out for the entire **60.56 Acre** of forest area proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committee(s), Gram Sabha(s), Sub-Division Level Committee(s) and the District Level Committee are enclosed as annexure 1 to annexure 3.
- The proposal for such diversion with full details of the project and its implications, in vernacular/local language have been placed before is concerned Gram Sabha of forest dwellers, who eligible under the FRA.
- The each of concerned Gram Sabha(s), has certified that all formalities/processes under the FRA have been carried out, and that they have given their consent to the proposed diversion and the compensation and ameliorative measures, if any having understood the purpose and details of proposed diversion. A copy of certificate issued by gram sabha of **Sirma** village is enclosed as annexure 1 to 3.
- The discussion and decisions on such proposals had taken place only when there was a quorum of minimum 50% of the members of Gram Sabha present;

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag



- (e) The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and the Gram Sabhas have given their consent to it;
- (f) The proposal does not involve recognized right of Primitive Tribal Groups and Pre-agricultural communities.

Encls.: As above.

Deputy Commissioner  
Deputy Commissioner  
Hazaribag

- ज्ञापांक 1555 / क०, हजारीबाग, दिनांक 15/10/2024
- प्रतिलिपि:- प्रधान सचिव, राजस्व एवं भूमि सुधार विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- सचिव, खान एवं भूतत्व विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- आयुक्त, उत्तरी छोटानागपुर प्रमण्डल, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- वन प्रमण्डल पदाधिकारी, पश्चिमी वन प्रमण्डल, हजारीबाग एवं अन्य संबंधित सदस्यों को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- परियोजना निदेशक, एन०टी०पी०सी० को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
- प्रतिलिपि:- अनुमण्डल पदाधिकारी, सदर, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- अंचल अधिकारी, केरेडारी, हजारीबाग को सूचनार्थ प्रेषित।
- प्रतिलिपि:- जिला सूचना विज्ञान पदाधिकारी, एन०आई०सी०, हजारीबाग को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित। कृपया जिला के वेबसाइट पर अपलोड करना सुनिश्चित किया जाय।

उपायुक्त  
Deputy Commissioner  
Hazaribag

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

दिनांक 02.07.2024 को उपस्थित, हजारीबाग की अध्यक्षता में आयोजित जिला स्तरीय वनाधिकार समिति की बैठक की कार्यवाही:-

अवस्थिति: पंजी के अनुसार।

#### कार्यवाही

सर्वप्रथम जिला कल्याण पदाधिकारी, हजारीबाग द्वारा सभी उपस्थित सदस्यों का स्वागत किया गया। उपस्थित उपस्थित सदस्य अध्यक्ष की अनुमति से जिला कल्याण पदाधिकारी, हजारीबाग के द्वारा सभी सदस्यों को अवगत कराया गया कि वन अधिकार अधिनियम, 2006 के तहत अनुमण्डल स्तरीय वनाधिकार समिति, सदर, हजारीबाग से अनुमोदित तब प्रस्ताव एवं दिनांक 17.01.2024 को आहूत जिला स्तरीय समिति की बैठक में विरोध नये आपत्ति के आलाोक में निराकरण उपरांत प्राप्त 05 प्रस्तावों पर जिला स्तरीय वनाधिकार समिति द्वारा निर्णय दिया जाना है।

एजेण्डा 1 :- अनुमण्डल स्तरीय वनाधिकार समिति, सदर, हजारीबाग (झापांक- 1208 दिनांक- 25.06.2024) से अनुमोदित केरेडारी अंचल के मौजा- पचडा में चन्द्रगुप्त कोल माइंस (सी०सी०एल०) में पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित प्रस्ताव समिति के समक्ष रखा गया। जिसके भूमि की विवरणी निम्नवत् है:-

क्र०	मौजा	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (ए० में)	जंगल झाड़ी (ए० में)	कुल रकबा (ए० में)
1	पचडा	93	437	16.80	7.70	24.50
2			513	11.10	15.40	26.50
3			919	0.00	20.40	20.40
4			946	0.00	0.07	0.07
5			999	0.00	8.50	8.50
6			1180	18.90	6.10	25.00
7			1195	15.43	4.84	20.27
8			1200	5.00	1.48	6.48
9			1412	0.00	0.91	0.91
10			1880	0.00	1.85	1.85
11			2380	8.56	2.13	10.69
12			2381	19.92	10.42	30.34
13			2382	30.84	8.36	39.20
14			1180/2385	0.00	0.33	0.33
15			2388	0.00	0.83	0.83
16			2390	9.80	2.50	12.30
कुल:-				136.35	91.82	228.17

समिति द्वारा संपादित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत 136.35 एकड़ अधिसूचित वन भूमि एवं 91.82 एकड़ जंगल-झाड़ी भूमि कुल- 228.17 एकड़ भूमि का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।

एजेण्डा 2 :- अनुमण्डल स्तरीय वनाधिकार समिति, सदर (झापांक- 1002 दिनांक- 05.06.2024) से अनुमोदित केरेडारी अंचल के मौजा- बेलतु में पकरी बरवाडीए कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) अंतर्गत पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित समिति के समक्ष रखा गया। विवरणी निम्नवत् है:-

क्र०	ग्राम/थाना सं०	खता सं०	प्लॉट सं०	अधिसूचित वन भूमि (ए० में)	गैर खास जंगल झाड़ी (ए० में)	कुल रकबा (ए० में)	किसम
1	बेलतु	190	58p	5.58	-	5.58	जंगल
2			62p	1.34	-	1.34	जंगल

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

Scanned with CamScanner



3	बेलतु	190	84p	4.72	-	4.72	जंगल
4			87	1.16	-	1.16	जंगल
5			81p	-	0.52	0.52	जंगल-आडी
6			143p	-	5.83	5.83	जंगल-आडी
7			198p	-	0.46	0.46	जंगल-आडी
8			214p	-	1.64	1.64	जंगल-आडी
9			222p	-	0.07	0.07	जंगल-आडी
कुल:-				12.80	8.52	21.32	

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल- 21.32 ए० वन भूमि/गैर खास जंगल-झाड़ी भूमि का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।

एजेण्डा 3 :- अनुमण्डल स्तरीय वनाधिकार समिति, सदर (झापाक- 1002 दिनांक- 05.06.2024) से अनुमोदित ~~मजखरुआ~~ अंचल के मौजा- उरुब में पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) अन्तर्गत पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित समिति के समक्ष रखा गया। विवरणी निम्नवत् है:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	सर्वे रकबा	अर्जित रकबा (ए० में)	अर्जित रकबा (हेक्टेयर में)	भूमि का प्रकार
1	उरुब/41	49	635p	130	1.00	0.405	गैर
2			661	9.82	9.82	3.974	मजखुआ
3			666	7.95	7.95	3.217	जंगल
4			667p	6.91	4.75	1.922	झाड़ी
5			689p	2.89	0.03	0.012	
	कुल रकबा:-				23.55	9.531	

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल- 23.55 ए० गैर मजखरुआ जंगल-झाड़ी भूमि का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।

एजेण्डा 4 :- दिनांक 17.01.2024 को आहुत जिला स्तरीय समिति की बैठक में किये गये आपत्ति के आलोक में निराकरण उपरांत अंचल अधिकारी, चुरचू के पत्रांक 132 दिनांक 13.03.2024 द्वारा चुरचू अंचल अन्तर्गत मौजा बासाडीह में भारत माला परियोजना अन्तर्गत 184.400 कि०मी० से 387.200 कि०मी० तक वाराणासी से कोलकाता के 4/6 लेन के निर्माण हेतु वन भूमि का अपयोजन हेतु प्राप्त प्रस्ताव समिति के समक्ष रखा गया। विवरणी निम्नवत् है:-

ग्राम	थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (हे० में)	गैरमजखरुआ खास जंगल झाड़ी (हे० में)	कुल रकबा (हे० में)	अभ्युक्ति
बासाडीह	23	568	567	4.4618	1.6825	6.1443	जंगल
बासाडीह	23	568	593	0.0975	-	0.0975	जंगल
बासाडीह	23	568	643	8.5715	0.4772	9.0487	जंगल
कुल				13.1308	2.1597	15.2905	

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल- 15.2905 हेक्टेयर अधिसूचित वन भूमि/गैरमजखरुआ खास जंगल-झाड़ी भूमि का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।

एजेण्डा 5 :- दिनांक 17.01.2024 को आहुत जिला स्तरीय समिति की बैठक में किये गये आपत्ति के आलोक में निराकरण उपरांत अंचल अधिकारी, चुरचू के पत्रांक 132 दिनांक 13.03.2024 द्वारा चुरचू अंचल अन्तर्गत मौजा दासोखाप में भारत माला परियोजना अन्तर्गत 184.400 कि०मी० से 387.200 कि०मी० तक वाराणासी से कोलकाता के 4/6 लेन के निर्माण हेतु वन भूमि का अपयोजन हेतु प्राप्त प्रस्ताव समिति के समक्ष रखा गया। विवरणी निम्नवत् है:-

Navin Kumar  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

ग्राम	थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (हे० में)	गैरमजरूआ खास जंगल झाड़ी (हे० में)	कुल रकबा (हे० में)	अभ्युक्ति
दासोखाप	58	68	638	2.3900	0.2478	2.6378	जंगल/जंगल झाड़ी
				2.3900	0.2478	2.6378	

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल- 2.6378 हेक्टेयर अधिसूचित वन भूमि/गैरमजरूआ खास जंगल-झाड़ी का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।  
एजेण्डा 6 :- दिनांक 17.01.2024 को आहूत जिला स्तरीय समिति की बैठक में किये गये आपत्ति के आलोक में निराकरण उपरांत अंचल अधिकारी, बुरघू के पत्रांक 132 दिनांक 13.03.2024 द्वारा बुरघू अंचल अन्तर्गत मौजा मुकरू में भारत माला परियोजना अन्तर्गत 184.400 कि०मी० से 387.200 कि०मी० तक वाराणासी से कोलकाता के 4/6 लेन के निर्माण हेतु वन भूमि का अपयोजन हेतु प्राप्त प्रस्ताव समिति के समक्ष रखा गया। विवरणी निम्नवत् है:-

ग्राम	थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (हे० में)	गैरमजरूआ खास जंगल झाड़ी (हे० में)	कुल रकबा (हे० में)	अभ्युक्ति
मुकरू	59	01	529	0.00	1.7627	1.7627	जंगल झाड़ी
मुकरू	59	01	536	0.00	2.6866	2.6866	जंगल झाड़ी
			कुल	0.00	4.4493	4.4493	

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल- 2.6378 हेक्टेयर अधिसूचित वन भूमि/गैरमजरूआ खास जंगल-झाड़ी का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।  
एजेण्डा 7:- दिनांक 17.01.2024 को आहूत जिला स्तरीय समिति की बैठक में किये गये आपत्ति के आलोक में निराकरण उपरांत अंचल अधिकारी, सदर के पत्रांक 395 दिनांक 18.03.2024 द्वारा सदर अंचल अन्तर्गत अभिलेख संख्या 06/2023-24 के मौजा दोनो रेशाम में भारत माला परियोजना अन्तर्गत 184.400 कि०मी० से 387.200 कि०मी० तक वाराणासी से कोलकाता के 4/6 लेन के निर्माण हेतु प्राप्त अभिलेख 06/2023-24 समिति के समक्ष रखा गया। जिसके भूमि की विवरणी निम्नवत् है:-

Sl. No.	Survey/ Plot No.	Land type as per Land Record	Nature of Land	GM JJ Land	Plot wise Area (Ha)		
					Notified Forest		Total (Ha)
					Demarketed Forest	Undemarketed Forest	
1	7	Government	Protected Forest	0.0000	3.2890	0.1832	3.4722
2	6	Government	Protected Forest	0.0000	1.2474	1.1817	2.4291
3	5	Government	Protected Forest	0.0000	0.2624	0.0000	0.2624
4	146	Government	Protected Forest	4.7507	0.0000	0.0000	4.7507
5	153	Government	Protected Forest	0.0000	11.2849	0.0000	11.2849
Total				4.7507	16.0837	1.3649	22.1993

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल- 22.1993 हेक्टेयर वन भूमि/गैरमजरूआ जंगल-झाड़ी का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।  
एजेण्डा 8:- दिनांक 17.01.2024 को आहूत जिला स्तरीय समिति की बैठक में किये गये आपत्ति के आलोक में निराकरण उपरांत अंचल अधिकारी, कटकमदाग के पत्रांक 323 दिनांक 09.03.2024 द्वारा कटकमदाग अंचल अन्तर्गत अभिलेख संख्या 02/2023-24 के मौजा सिरसी-2 अन्तर्गत प्रमण्डलीय मुख्यालय में महिला

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag



महाविद्यालय का स्थापना निर्माण हेतु प्राप्त प्रस्ताव समिति के समक्ष रखा गया। जिसके भूमि की विवरणी निम्नवत् है:-


क्र०सं०	गौजा	खाता सं०	प्लॉट सं०	रकबा (ए० में)	किस्म
1	शिरसी-2	251	848	5.00	गैर मजरूआ खास किस्म जंगल
		कुल		5.00	


समिति द्वारा संगठित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल- 5.00 एकड़ गैरमजरूआ जंगल भूमि का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया।


अन्यान्त्र :- वन अधिकार अधिनियम, 2006 के तहत वन में निवास करने वाली अनुसूचित जनजातियों और ऐसे वनों में निवास करने वाले अन्य परंपरागत वन निवासियों के वन अधिकारों और वन भूमि पर Rights/पट्टा देने का प्रावधान है। भारत सरकार के संकल्प संख्या CG-DL-E-08042022-234990 दिनांक 08.04.2022 के आह्वान में कार्मिक, प्रशासनिक एवं राजभाषा विभाग, झारखण्ड सरकार के पत्रांक 2937 दिनांक 06.05.2022 द्वारा खरवार, गंडू भोग्ता को अनुसूचित जनजाति में सम्मिलित किया गया है, जिन्हें वन अधिकार अधिनियम, 2006 के तहत वन अधिकारों और वन भूमि पर Rights/पट्टा देने के संबंध में सरकार के सचिव, अनुसूचित जनजाति, अनुसूचित जाति, अल्पसंख्यक एवं पिछड़ा वर्ग कल्याण विभाग, झारखण्ड एवं आदिवासी कल्याण आयुक्त, झारखण्ड से मार्ग-निर्देश प्राप्त करने का निर्णय लिया गया।


• अनुमण्डल पदाधिकारी, सदर द्वारा बताया गया कि कोरेडारी अंचल के मौजा बरियातु, कण्डादेर एवं जबरा में पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) के अन्तर्गत पडने वाले वन भूमि/गैर मजरूआ भूमि पर संदेहास्पद/अवैध जमाबंदी को रद्द करने की कार्रवाई प्रक्रियाधीन है जिस कारण अनुमण्डल स्तरीय वनाधिकार समिति द्वारा FRA प्रमाण पत्र निर्गत करने हेतु प्राप्त प्रस्तावों को संबंधित अंचल अधिकारी को वापस किया गया है। इस संबंध में समिति द्वारा निर्णय लिया गया कि कार्य हित में उक्त वापस किये गये प्रस्तावों को पुनः प्राप्त कर FRA प्रमाण पत्र निर्गत करने के संबंध में आवश्यक कार्रवाई की जाय। संदेहास्पद/अवैध जमाबंदी रद्द के संबंध में अंतिम निर्णय प्राप्त होने पर यह प्रभावित होगा।


सधन्यवाद ज्ञापन के साथ बैठक की कार्यवाही समाप्त की गई।

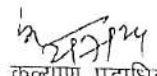
  
वन प्रमण्डल पदाधिकारी  
रानगढ़।

  
वन प्रमण्डल पदाधिकारी  
दक्षिणी वन प्रमण्डल  
चतरा।

  
वन प्रमण्डल पदाधिकारी  
पश्चिमी वन प्रमण्डल  
हजारीबाग।

  
उपायुक्त  
हजारीबाग।

  
अनुमण्डल पदाधिकारी  
सदर, हजारीबाग।

  
जिला कल्याण पदाधिकारी  
हजारीबाग।

झापांक 804 / क० हजारीबाग, दिनांक 02/07/2024

प्रतिलिपि:-


सभी संबंधित को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।


प्रतिलिपि:-

सरकार के सचिव, अनुसूचित जनजाति, अनुसूचित जाति, अल्पसंख्यक एवं पिछड़ा वर्ग कल्याण विभाग, झारखण्ड, राँची को सूचनार्थ प्रेषित।

प्रतिलिपि:-

आदिवासी कल्याण आयुक्त, झारखण्ड, राँची को सूचनार्थ प्रेषित।

  
उपायुक्त,  
हजारीबाग।

  
नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबन्धन) : DGM (ENVT, MGMT.)  
एनटीपीसी लिमिटेड NTPC Limited  
कोयला खनन परियोजना Coal Mining Projects  
हजारीबाग / Hazaribag

दिनांक 29.07.2024 को उपायुक्त, हजारीबाग की अध्यक्षता में आयोजित जिला स्तरीय वनाधिकार समिति की बैठक की कार्यवाही:-

उपस्थिति:- पंजी के अनुसार।

#### कार्यवाही

सर्वप्रथम जिला कल्याण पदाधिकारी, हजारीबाग द्वारा सभी उपस्थित सदस्यों का स्वागत किया गया। तत्पश्चात उपायुक्त-सह-अध्यक्ष की अनुमति से जिला कल्याण पदाधिकारी, हजारीबाग के द्वारा वन अधिकार अधिनियम, 2006 के तहत अनुमण्डल स्तरीय वनाधिकार समिति, सदर, हजारीबाग से अनुमादित 03 प्रस्तावों जो पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) से वन अधिकार अधिनियम, 2006 के तहत अनापत्ति निर्गत करने से संबंधित है। निम्न निर्णय लिया गया:-

प्रस्ताव 1 :- अनुमण्डल स्तरीय वनाधिकार समिति, सदर, हजारीबाग (ज्ञापांक- 1383 दिनांक- 13.07.2024) से अनुमोदित करेडारी अंचल के मौजा- कण्डावेर में पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) में पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित प्रस्ताव समिति के समक्ष रखा गया। जिसके भूमि की विवरणी निम्नवत् है:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर०खास, जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	कण्डावेर	110	212	10.13	-	10.13	जंगल
			375p	6.050	-	6.050	जंगल
			559	1.96	-	1.96	जंगल
			625	9.02	-	9.02	जंगल
			634	15.00	-	15.00	जंगल
			640	4.66	-	4.66	जंगल
			197	-	0.72	0.72	जंगल-झाड़ी
			271	-	0.27	0.27	जंगल-झाड़ी
			431	-	1.90	1.90	जंगल-झाड़ी
			444	-	0.13	0.13	जंगल-झाड़ी
			493	-	2.07	2.07	जंगल-झाड़ी
			527	-	0.59	0.59	जंगल-झाड़ी
			545	-	0.47	0.47	जंगल-झाड़ी
			Total	46.82	6.15	52.97	

जिला कल्याण पदाधिकारी, हजारीबाग द्वारा समिति को अवगत कराया गया कि अंचल अधिकारी, करेडारी से प्राप्त प्रतिवेदन के अनुसार उक्त खाता प्लॉट की जमीन पर कतिपय रैयतों द्वारा किये गये दावों और उससे संबंधित पंजी-II में चल रही जमाबंदी को रद्द करने हेतु बिहार/झारखण्ड भूमि सुधार अधिनियम, 1950 की धारा 4(h) के तहत संदेहास्पद/अवैध जमाबंदी वाद सं० 07/24-25, 08/204-25 के द्वारा भूमि सुधार उपसमाहर्ता, सदर, हजारीबाग को भेज दी गयी है।

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार अधिसूचित वन भूमि- 46.82 ए० एवं गैर मजरूआ जंगल-झाड़ी भूमि- 6.15 ए० कुल- 52.97 ए० भूमि का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया। समिति द्वारा यह भी निर्णय लिया गया कि संदेहास्पद/अवैध जमाबंदी रद्द के संबंध में अंतिम निर्णय से यह प्रभावित होगा।

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएँ / COAL MINING PROJECTS

हजारीबाग / Hazaribag



प्रस्ताव 2 :- अनुमण्डल स्तरीय वनाधिकार समिति, सदर (झापाक- 1383 दिनांक- 13.07.2024) से अनुमोदित केरेंडारी अंचल के मौजा- गरियातु में पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) अन्तर्गत पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित समिति के समझ रखा गया। विवरणी निम्नवत् है:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर० खास, जंगल-झाडी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर० खास, जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	बरिचतु	155	1	24.00	-	24.00	जंगल
			2	109.75	-	109.75	जंगल
			3	70.50	-	70.50	जंगल
			4	75.00	-	75.00	जंगल
			63p	20.41	-	20.41	जंगल
			232p	126.12	-	126.12	जंगल
			1686	67.50	-	67.50	जंगल
			21	-	0.09	0.09	जंगल-झाडी
			50	-	0.49	0.49	जंगल-झाडी
			Total	493.28	0.58	493.86	

जिला कल्याण पदाधिकारी, हजारीबाग द्वारा समिति को अवगत कराया गया कि अंचल अधिकारी, केरेंडारी से प्राप्त प्रतिवेदन के अनुसार उक्त खाता प्लॉट की जमीन पर कतिपय रैयतों द्वारा किये गये दावों और उससे संबंधित पंजी-11 में चल रही जमाबंदी को रद्द करने हुत बिहार/झारखण्ड भूमि सुधार अधिनियम, 1950 की धारा 4(h) के तहत संदेहास्पद/अवैध जमाबंदी वाद सं० 2, 3, 4, 5, 6/24-25 के द्वारा भूमि सुधार उपसमाहर्ता, सदर, हजारीबाग को भेज दी गयी है।

समिति द्वारा संबंधित कागजातों की जाँचोपरांत उपरोक्त विवरणी के अनुसार अधिसूचित वन भूमि- 493.28 ए० एवं गैर मजकूर आ जंगल-झाड़ी भूमि- 0.58 ए० कुल- 493.86 ए० भूमि का वन अधिकार अधिनियम, 2006 के तहत प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया। समिति द्वारा यह भी निर्णय लिया गया कि संदेहास्पद/अवैध जमाबंदी रद्द के संबंध में अंतिम निर्णय से यह प्रभावित होगा।

प्रस्ताव 3 :- अनुमण्डल स्तरीय वनाधिकार समिति, सदर (झापाक- 1383 दिनांक- 13.07.2024) से अनुमोदित केरेंडारी अंचल के मौजा- जबर में पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) अन्तर्गत पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित समिति के समझ रखा गया। विवरणी निम्नवत् है:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर० खास, जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	जबर	5	02	9.10	-	9.10	जंगल
			Total	9.10	-	9.10	

जिला कल्याण पदाधिकारी, हजारीबाग द्वारा समिति को अवगत कराया गया कि अंचल अधिकारी, केरेंडारी से प्राप्त प्रतिवेदन के अनुसार उक्त खाता प्लॉट की जमीन पर कतिपय रैयतों द्वारा किये गये दावों और उससे संबंधित पंजी-11 में चल रही जमाबंदी को रद्द करने हुत बिहार/झारखण्ड भूमि सुधार अधिनियम, 1950 की धारा 4(h) के तहत संदेहास्पद/अवैध जमाबंदी वाद सं० 09/24-25, 10/24-25 के द्वारा भूमि सुधार उपसमाहर्ता, सदर, हजारीबाग को भेज दी गयी है।

समिति द्वारा संवधित कामजाती की जीवोपरत उपराक्त विवरणी के अनुसार वन अधिकार अधिनियम, 2006 के तहत कुल 9.10 ए० अक्षरसूचित वन भूमि का प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया। समिति द्वारा यह भी निर्णय लिया गया कि संवेदास्पद/अवेध जमाबंदी रद्द के संबंध में अंतिम निर्णय से यह प्रभावित होगा।

सामान्यवाद आपन के साथ बैठक की कार्यवाही समाप्त की गई।

29/7/24  
जिला कल्याण पदाधिकारी  
हजारीबाग।

29/7/24  
अनुमण्डल पदाधिकारी  
सदर हजारीबाग।

29/7/24  
वन प्रमण्डल पदाधिकारी  
पश्चिमी वन प्रमण्डल  
हजारीबाग।

29/7/24  
उपायुक्त  
हजारीबाग।

आपांक 977 / क० हजारीबाग, दिनांक 29/7/2024  
प्रतिलिपि- सभी संवधित को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।  
प्रतिलिपि- सरकार के सचिव अनुसूचित जनजाति, अनुसूचित जाति, अल्पसंख्यक एवं पिछड़ा वर्ग कल्याण विभाग झारखण्ड, राँची को सूचनार्थ प्रेषित।  
प्रतिलिपि- आदिवासी कल्याण आयुक्त, झारखण्ड, राँची को सूचनार्थ प्रेषित।

29/7/24  
उपायुक्त  
हजारीबाग।

Navin Kumar  
नवीन कुमार / NAVIN KUMAR  
ज्य. महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVY. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



दिनांक 15.10.2024 को उपायुक्त, हजारीबाग की अध्यक्षता में आयोजित जिला स्तरीय वनाधिकार समिति की बैठक की कार्यवाही:-

उपस्थिति:- पंजी के अनुसार।

#### कार्यवाही

सर्वप्रथम जिला कल्याण पदाधिकारी, हजारीबाग द्वारा सभी उपस्थित सदस्यों का स्वागत किया गया। तत्पश्चात उपायुक्त-साह-अध्यक्ष की अनुमति से जिला कल्याण पदाधिकारी, हजारीबाग के द्वारा वन अधिकार अधिनियम, 2006 के तहत दिनांक 10.09.2024 को जिला स्तरीय वनाधिकार समिति की आयोजित बैठक में लिये गये निर्णय के आलोक में अनुमण्डल स्तरीय वनाधिकार समिति, सदर, हजारीबाग से अनुमोदित पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) अन्तर्गत ग्राम- बसरिया, नावाडीह एवं सिरमा में पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का वन अधिकार अधिनियम, 2006 के तहत अनापत्ति निर्गत करने से संबंधित प्रस्ताव समिति के समक्ष उपस्थापित किया गया, जिन पर समिति द्वारा निम्न निर्णय लिया गया:-

**प्रस्ताव 1 :-** अनुमण्डल स्तरीय वनाधिकार समिति, सदर, हजारीबाग (ज्ञापांक- 1712 दिनांक- 20.09.2024) से अनुमोदित कोरेडारी अंचल के मौजा- बसरिया में पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) में पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित प्रस्ताव समिति के समक्ष रखा गया। जिसके भूमि की विवरणी निम्नवत् है:-

क्र०	ग्राम / थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर० खास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैर० खास जंगल भूमि (रकबा एकड़ में)	अन्युक्ति
1	बसरिया	5	27	24.00	-	24.00	
2		5	32	26.75	-	26.75	
3		5	34	31.75	-	31.75	
4		5	2	-	1.07	1.07	
5		5	10	-	1.33	1.33	
6		5	12	-	1.42	1.42	
	Total			82.50	3.82	86.32	

समिति द्वारा संबंधित कागजातों की जाँच किया गया। उक्त प्रस्ताव अन्तर्गत पड़ने वाले क्षेत्र में गंडू जाति के व्यक्तियों द्वारा आवेदित व्यक्तिगत दावों पर निर्णय लेने के संबंध में उपायुक्त, हजारीबाग के पत्रांक 860 दिनांक 13.07.2024 के आलोक में कल्याण विभाग द्वारा दिशा निर्देश प्राप्त होने की प्रत्याशा में तथा NTPC Limited के पत्रांक NTPC/PB-NW/2024/269 दिनांक 19.07.2024 द्वारा समर्पित Undertaking के आलोक में उक्त प्रस्ताव को पारित करते हुये वन अधिकार अधिनियम, 2006 के तहत अधिसूचित वन भूमि- 82.50 ए० एवं गैर मजकूर जंगल-झाड़ी भूमि- 3.82 ए० कुल- 86.32 ए० भूमि का FRA प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया। समिति द्वारा यह भी निर्णय लिया गया कि कल्याण विभाग से गंडू जाति के संबंध में जो भी मार्ग-निर्देश प्राप्त होगा उसका अनुपालन पकरी बरवाडीह कोल ब्लॉक के NTPC नार्थ वेस्ट परियोजना (PB-NW Block) के द्वारा किया जायेगा।

**प्रस्ताव 2 :-** अनुमण्डल स्तरीय वनाधिकार समिति, सदर (ज्ञापांक- 1712 दिनांक- 20.09.2024) से अनुमोदित कोरेडारी अंचल के मौजा- नावाडीह में पकरी बरवाडीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECT  
हजारीबाग / Hazaribag

NW Block) अन्तर्गत पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित समिति के समक्ष रखा गया। विवरणी निम्नवत् है:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर ख़ास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैरख़ास, जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	मालवी	3	162p	3.27	-	3.27	
			276p	0.15	-	0.15	
			399p	3.81	-	3.81	
			422	21.00	-	21.00	
			505	33.50	-	33.50	
			152p	-	0.80	0.80	
			174p	-	3.54	3.54	
			187p	-	0.39	0.39	
			207	-	2.14	2.14	
			218p	-	0.73	0.73	
			237p	-	0.06	0.06	
			316	-	1.32	1.32	
				61.73	8.98	70.71	

समिति द्वारा संबंधित कागजातों की का जाँच किया गया। उक्त प्रस्ताव अन्तर्गत पड़ने वाले क्षेत्र में गंडू जाति के व्यक्तियों द्वारा आवेदित व्यक्तिगत दावों पर निर्णय लेने के संबंध में उपायुक्त, हजारीबाग के पत्रांक 860 दिनांक 13.07.2024 के आलोक में कल्याण विभाग द्वारा दिशा निर्देश प्राप्त होने की प्रत्याशा में तथा NTPC Limited के पत्रांक NTPC/PB-NW/2024/269 दिनांक 19.07.2024 द्वारा समर्पित Undertaking के आलोक में उक्त प्रस्ताव को पारित करते हुये वन अधिकार अधिनियम, 2006 के तहत अधिसूचित वन भूमि- 61.73 ए० एवं गैर मज़रूआ जंगल-झाड़ी भूमि- 8.98 ए० कुल- 70.71 ए० भूमि का FRA प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया। समिति द्वारा यह भी निर्णय लिया गया कि विभाग से जो भी मार्ग-निर्देश प्राप्त होगा उसका अनुपालन पकरी बरवाड़ीह कोल ब्लॉक के NTPC नार्थ वेस्ट परियोजना (PB-NW Block) के द्वारा किया जायेगा।

प्रस्ताव 3 :- अनुमण्डल स्तरीय वनाधिकार समिति, सदर (ज्ञापांक- 1712 दिनांक- 20.09.2024) से अनुमोदित करेडारी अंचल के मौजा- सिरमा में पकरी बरवाड़ीह कोल ब्लॉक के नार्थ वेस्ट परियोजना (PB-NW Block) अन्तर्गत पड़ने वाले वन भूमि एवं जंगल झाड़ी भूमि का अपयोजन से संबंधित समिति के समक्ष रखा गया। विवरणी निम्नवत् है:-

क्र०	ग्राम/थाना सं०	खाता सं०	प्लॉट सं०	अधिसूचित वन भूमि (रकबा एकड़)	गैर ख़ास, जंगल-झाड़ी भूमि (एकड़ में)	कुल अधिसूचित वन तथा गैरख़ास, जंगल भूमि (रकबा एकड़ में)	अभ्युक्ति
1	सिरमा	12	30p	50.80	-	50.80	
			97p	-	1.01	1.01	
			144	-	2.68	2.68	
			195	-	2.47	2.47	
			240	-	1.82	1.82	
			245	-	0.30	0.30	
			247	-	0.74	0.74	
			291	-	0.33	0.33	
			296	-	0.41	0.41	
		Total		50.80	9.76	60.56	

*Navin Kumar*  
**नवीन कुमार / NAVIN KUMAR**  
 उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENVT. MGMT.)  
 एनटीपीसी लिमिटेड / NTPC Limited  
 कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
 हजारीबाग / Hazaribag



समिति द्वारा संबंधित कागजातों की जाँच किया गया। उक्त प्रस्ताव अन्तर्गत पड़ने वाले क्षेत्र में गंझू जाति के व्यक्तियों द्वारा आवेदित व्यक्तिगत दावों पर निर्णय लेने के संबंध में उपायुक्त, हजारीबाग के पत्रांक 860 दिनांक 13.07.2024 के आलोक में कल्याण विभाग द्वारा दिशा निर्देश प्राप्त होने की प्रत्याशा में तथा NTPC Limited के पत्रांक NTPC/PB-NW/2024/269 दिनांक 19.07.2024 द्वारा समर्पित Undertaking के आलोक में उक्त प्रस्ताव को पारित करते हुये वन अधिकार अधिनियम, 2006 के तहत अधिसूचित वन भूमि- 50.80 ए० एवं गैर गजरूआ जंगल-झाड़ी भूमि- 9.76 ए० कुल - 60.56 ए० भूमि का FRA प्रमाण पत्र निर्गत किये जाने हेतु सर्वसम्मति से निर्णय लिया गया। समिति द्वारा यह भी निर्णय लिया गया कि विभाग से जो भी मार्ग-निर्देश प्राप्त होगा उसका अनुपालन पकरी बरवाड़ीह कोल ब्लॉक के NTPC नार्थ वेस्ट परियोजना (PB-NW Block) के द्वारा किया जायेगा।

सधन्यवाद ज्ञापन के साथ बैठक की कार्यवाही समाप्त की गई।

15/10/24  
जिला कल्याण पदाधिकारी  
हजारीबाग।

15.10.24  
अनुमण्डल पदाधिकारी  
सदर, हजारीबाग।

मान  
वन प्रमण्डल पदाधिकारी  
पश्चिमी वन प्रमण्डल  
हजारीबाग।

उपायुक्त  
हजारीबाग।

ज्ञापांक 1557 / को हजारीबाग, दिनांक 15/10/2024  
प्रतिलिपि:- सभी संबंधित को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।  
प्रतिलिपि:- सरकार के सचिव, अनुसूचित जनजाति, अनुसूचित जाति, अल्पसंख्यक एवं पिछड़ा वर्ग कल्याण विभाग, झारखण्ड, राँची को सूचनार्थ प्रेषित।  
प्रतिलिपि:- आदिवासी कल्याण आयुक्त, झारखण्ड, राँची को सूचनार्थ प्रेषित।

15/10/24  
उपायुक्त,  
हजारीबाग।

नवीन कुमार / NAVIN KUMAR  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / OJM (ENVY. MGMT.)  
एनटीपीसी लिमिटेड NTPC Limited  
कोयला खनन परियोजना, कोयला खनन परियोजना  
हजारीबाग, Jharkhand

Ref. No. NTPC/PB-NW/2024/ 300

Date: 19.10.2024

## UNDERTAKING

(Payment of additional NPV)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Additional NPV, if so determined, as per the final decision of Hon'ble Supreme Court of India shall be paid."*

For NTPC Ltd.

[Navin kumar]

Dy. GM (Env. Mgmt.)

PB & PB-NW CMP

NTPC Ltd.- Hazaribag

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag



25

Ref. No. NTPC/PB-NW/2024/ 301

Date: 19.10.2024

## UNDERTAKING

(explore the possibility of translocation of maximum number of trees)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"The possibility of relocation of the trees shall also be explored."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

Ref. No. NTPC/PB-NW/2024/ 302

Date: 19.10.2024

## UNDERTAKING

(Trees should be felled in phased manner)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Trees should be felled in phased manner as per the requirement in the approved Mining Plan with prior permission of concerned DFO."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]

Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag,

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक पर्यावरण प्रबंधन / DGM (ENV. MGMT.)

एन.टी.पी.सी. लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag



Ref. No. NTPC/PB-NW/2024/303

Date: 19.10.2024

## UNDERTAKING

(NTPC shall undertake mining in phased manner)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"Mining will be done as per the approved Mining plan. Mine closure plan has been prepared and duly approved by the Ministry of Coal. The reclamation of the mined-out area shall be done as per the approved mine closure plan. The annual report on implementation will be submitted to the Nodal Officer and Regional office, MoEF&CC"*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

Ref. No. NTPC/PB-NW/2024/ 304

Date: 19.10.2024

## UNDERTAKING

(Re-grassing the mining area and any other areas which may have been disturbed due to mining)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that,

*"The NTPC shall 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, fauna, etc. in a timely manner."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag  
**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
इन्टीग्रेटी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



## UNDERTAKING

(Period of diversion of forest land)

I, Shri Navin Kumar, Dy. General Manager (Env't. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company 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 thereunder."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env't. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV'T. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment  
Authority(SEIAA), JHARKHAND)

To,

The Additional General Manager  
NTPC LIMITED

SITE OFFICE SIKRI, BARKAGAON, HAZARIBAGH JHARKHAND -  
825311 -825311

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity  
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)  
in respect of project submitted to the SEIAA vide proposal number  
SIA/JH/CMIN/426263/2023 dated 11 Sep 2023. The particulars of the environmental  
clearance granted to the project are as below.

- |   |   |
|---|---|
| 1. EC Identification No.                      | EC23B001JH128665  |
| 2. File No.                                   | SEIAA/2023-24/2916/2023   |
| 3. Project Type                               | New   |
| 4. Category                                   | B   |
| 5. Project/Activity including<br>Schedule No. | 1(a) Mining of minerals   |
| 6. Name of Project                            | North West Quarry of Pakri Barwadih<br>opencast Coal Mine Project |
| 7. Name of Company/Organization               | NTPC LIMITED  |
| 8. Location of Project                        | JHARKHAND   |
| 9. TOR Date                                   | N/A   |

The project details along with terms and conditions are appended herewith from page  
no 2 onwards.

Date: 11/10/2023

(e-signed)  
Ashok Kumar, IFS  
Member Secretary  
SEIAA - (JHARKHAND)

*Note: A valid environmental clearance shall be one that has EC identification  
number & E-Sign generated from PARIVESH. Please quote identification  
number in all future correspondence.*

*This is a computer generated cover page.*







**State Level Environment Impact Assessment Authority, Jharkhand**

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834004

E-mail: [msseiaa.jhk@gmail.com](mailto:msseiaa.jhk@gmail.com)/[chr-seiaajhr@gov.in](mailto:chr-seiaajhr@gov.in)

website: [www.jseiaa.org](http://www.jseiaa.org)

Letter No : EC/SEIAA/2023-24/2916/2023/ 309

Ranchi, Date : 06/10/2023

**To: Head of Project,  
Pakri Barwadih North West Coal Mining Project,  
Sikri Site Office, Barkagaon,  
Hazaribagh – 825311, (Jharkhand).**

**Sub: Environmental Clearance for the project “North-West Quarry of Pakri Barwadih Opencast Coal Mine of M/s NTPC Limited at Village : Bariatu, Basaria, Beltu, Jabra, Kandaber, Nawadih, Sirma & Urub, Tehsil : Keredari and Barkagaon, Distt. : Hazaribagh, Jharkhand (485.159 Ha)”, (Proposal No. : SIA/JH/CMIN/426263/2023) - regarding.**

**Ref: Your application no.- NTPC/PB-NW/2023/166, dated – 11.09.2023.**

Sir,

It is in reference to the project “North-West Quarry of Pakri Barwadih Opencast Coal Mine of M/s NTPC Limited at Village : Bariatu, Basaria, Beltu, Jabra, Kandaber, Nawadih, Sirma & Urub, Tehsil : Keredari and Barkagaon, Distt. : Hazaribagh, Jharkhand (485.159 Ha)” submitted by you for seeking prior Environmental Clearances (EC).

This is a new (Greenfield) project which has been taken for appraisal on 20.09.2023.

**North-West (NW) Quarry of Pakri Barwadih Opencast Coal Mine Project of NTPC Ltd.** is a Greenfield project with a targeted coal production of 3.0 MTPA within the lease area of 485.159 Ha in Bariatu, Basaria, Beltu, Jabra, Kandaber, Nawadih, Sirma and Urub Villages of Keredari and Barkagaon Tehsil in Hazaribagh District of Jharkhand State.

Considering that this is a coal mining project with a lease area of 485.159 Ha, as per MoEF&CC notification S.O.1866(E) dated 20.04.2022, it is classified under Category B which necessitates environmental clearance from SEIAA, Jharkhand.

This quarry is a part of the Pakri Barwadih Coal Mine Block of NTPC Ltd. which comprises three distinct quarries namely, Pakri Barwadih West ( PB-West), Pakri Barwadih East (PB-East) and the subject project. The entire Pakri Barwadih Coal Block is designed to produce 18 MTPA of coal (15 MTPA from PB-West & PB-East + 3 MTPA from PB North west) for captive use at the power plants of NTPC Ltd. located at different parts of country. Mining

AS

B  
1

h



operations at PB-West and PB-East Quarry have already commenced subsequent to obtaining the necessary statutory clearances.

North West Quarry of Pakri Barwadih Coal Mine Project is bound by latitudes 23° 54' 13.04" to 23° 55' 43.25" North and Longitudes 85° 09' 09.79" to 85° 11' 02.40" East. Out of the total lease area of 485.159Ha, private tenancy is 113.557Ha, Government Land is 19.713 Ha and balance 351.89Ha is forest land. 20.692Ha of forest land was already transferred to NTPC vide MoEF&CC letter dated 17.09.2010. For the balance 331.198Ha, Stage-I forest clearance was obtained on 26.05.2023 vide MoEF&CC letter 8-56/2009-FC-(vol). In absence of Khatiyani copy at CO office, DC, Hazaribag has issued land certification for private tenancy and Government land vide letter no. 3070 dt 05.09.2023 in Form-I (as per Jharkhand Govt. circular 4792 dt 04.12.2018)

Topographically the area is rather hilly, rugged and undulating and the elevation varies from 430m to 460m above MSL. The two sides are defined by Khora Nala west and Khora nala east on the western and eastern side respectively, which discharges its load in Lathorwa Nala which in-turn joins Haharo Nadi. Besides these there are many small streams & streamlets, which discharge their load into this nala. All the nalas of the block are seasonal and become dry during summers.

Khora Nala West enters the mining lease from North Western boundary and flows towards West Central boundary of the mining lease. It traverses path of 1.65 Kms inside the mining lease boundary. The other seasonal nala locally termed as Khora nala east is passing on the eastern side of lease. As per the approved mining plan, for Khora Nala West it is proposed for a realignment around the mine boundary in the NW corner which is to be carried out in the initial phase of mining. As far as Khora nala east is concerned, it is passing in between the PB-W and PB NW block and about 33.18 Mil.T of coal is available as barrier and batter coal between both. No diversion of Khora nala east will be carried out in the initial phase of mining, though it is proposed to mine 33.18 Mil.T of coal in the batter and barrier from year 41 to 52. A detailed study in this regard will be conducted later at an appropriate time and ensured undisturbed water flow for the downstream users.

Barkagaon R.F is located 6.5Km from the lease area. There are no sanctuaries within 10.0 km from the mine lease boundary. Hazaribagh wildlife sanctuary is located about 16.2 kms from the lease. As per the Eco-sensitive zone as per Final Notification S.O 2775(E) dated 01.08.2019 of MOEF & CC. The ESZ is located at a distance of 9.6 km from the lease area. As such NBWL clearance is not applicable.

The method of mining proposed to be adopted to extract coal and OB in PBNW Opencast mine will be proven mechanized opencast method of mining with conventional shovel – Dumper combination technology. There are total 10 nos. of coal seams, 5 each coal bearing horizons belonging to Barakar & Karharbari formation respectively. In ascending order these are seam K-1, K-2, K-3, K-4, K-5 in Karharbari Formation and Local(L), I, II, IV & V in Barakar Formation. Seam I splits into 3 sections viz. I Top, I Middle & I Bottom. At places Seam I Bottom and I Middle combined and form single seam namely I Bottom + Middle. Similarly, Seam II also splits into 3 sections viz. II Top, II Middle and II Bottom. Seam II Top and II

AB

4 2  
y

h

Middle coalesce to form single seam as II Top + II Middle in eastern part. Seam V & IV occur as a combined seam. In the approved Mining Plan, the entire property is envisaged to be mined by opencast method from the view of conservation of coal. The North West quarry is divided in to 2 pits namely Pit-1 & Pit – 2.

Total geological coal reserve of PB NW Quarry as per GR is estimated to be about 137.584 Million Tonnes. It is estimated that 105.78 Million Tonnes of mineable coal would be available against overburden of 348.24 Mm<sup>3</sup> within the mine boundaries. Additional reserves of barrier 33.18 Million Tonnes can be mined by removal of batter. The total extractable reserves including the reserves blocked in the common boundary of PB-W and PB-NW is 138.96 Million Tonnes. The average stripping ratio works out to 3.15 m<sup>3</sup>/T.

Out of 438.24 Mil.m<sup>3</sup> of waste to be generated, 74.25 Mil.m<sup>3</sup> will be stored in temporary external dump (Out of which 9.13 Mil.m<sup>3</sup> will remain as embankment and the remaining will be rehandled in the later stage) and the remaining will be simultaneously back filled. As such there will be no external dump.

Power requirement for the mine is estimated as 8.5 MVA which shall be sourced from JUSNL (Jharkhand Urja Sanchar Nigam Ltd.) Patratu at 220 KV, at Main receiving Substation of 220/33/11 KV at Pakri Barwadih. Study is under process for installation of solar panels at Overburden Dump of Pakri Barwadih West mine having a potential of generating around 13 MW solar power. Feasibility shall also be explored for installation of rooftop solar panels on office building to reduce the power requirement. **Total project cost is 91232 Lakh.**

The Peak water requirement for PB North west quarry is estimated as 745.5 m<sup>3</sup>/day. Potable water requirement will be met from borewell. Industrial, water sprinkling and greenbelt and plantation water requirements will be met from mine sump water and treated ETP/STP water. Additional mine sump water will be discharged to Khora Nala for gainful use.

Purpose	Total Water Requirement (KLD)	Quantity Reused (KLD)	Balance water Requirement (KLD)	Remarks
Water Sprinkling / Dust Suppression	500.0	--	500.0	--
Industrial / Mining Use	124.0	96.0	76.0	Treated in ETP
Greenbelt Development	55.0		7.0	Treated in STP
Domestic Use	66.5	--	66.5	--
<b>Total</b>	<b>745.5</b>	<b>96.0</b>	<b>649.5</b>	<b>Source:</b> a) Treated Water - 96.0 KLD



				b) Mine sump water- 533.0 KLD
				c) Borewell water - 116.5 KLD
				<b>Total - 745.5</b> <b>KLD</b>

**LAND USE DURING MINING:**

Particulars	Area (Ha.)
Excavation Area	440.74
Top Soil Dump	2.00
External Dump	14.45
Road diversion	1.24
Safety zone/ Rationalisation area	4.85
Area under nala/river	16.00
Settling pond	1.03
Infrastructure area	4.85
<b>Total</b>	<b>485.16</b>

**POST MINING LAND USE:**

Type	Land Use (End of Life)	Land Use (Post Closure)				
		Plantation	Water body	Public/ Company Use	Forest Land (Returned)	Total
Backfilled mine Area	335.43	--	--	--	335.43	<b>335.43</b>
Excavated Void	105.31	--	105.31	--	--	<b>105.31</b>
Top Soil Dump	2.00	2.00	--	--	--	<b>2.00</b>
External Dump	14.45	14.45	--	--	--	<b>14.45</b>
Safety zone/ Rationalisation area	4.85	4.85	--	--	--	<b>4.85</b>
Road diversion	1.24	--	--	1.24	--	<b>1.24</b>
Area under	16.00	--	16.00	--	--	<b>16.00</b>

nala/river						
Settling pond	1.03	--	--	1.03	--	1.03
Infrastructure area	4.85	4.85	--	--	--	4.85
<b>Total</b>	<b>485.16</b>	<b>26.15</b>	<b>121.31</b>	<b>2.27</b>	<b>335.43</b>	<b>485.16</b>

### Coal Production Plan:

Coal Production plan of Pakri Barwadih North West Coal Mining Project is as given below:

YEAR	Scheduled Coal Production
1	0.5
2	1
3	2
4	3
5	3
6	3
7	3
8	3
9	3
10	3
11	3
12	3
13	3
14	3
15	3
16	3
17	3
18	3
19	3
20	3
21	3
22	3
23	3
24	3
25	3
26	3
27	3
28	3
29	3
30	3



31	3
32	3
33	3
34	3
35	3
36	3
37	3
38	3
39	3
40	3
41	3
42	3
43	3
44	3
45	3
46	3
47	3
48	2
49	1.46
Total	138.96

**Geological and Mining Characteristics of PBNW Coal Mining Project:**

<b>Geological reserve</b>	137.584 Million tonnes	
<b>Mineable reserve</b>	138.96 Million tonnes including PB-North West and PB-West batter	
<b>Total waste/Overburden</b>	438.24 Million m <sup>3</sup>	
<b>Waste/Overburden management</b>	<b>Waste (Mil m3)</b>	<b>Management</b>
	74.25	Stored in temporary external dump
	363.99	Simultaneously back filled
	<b>438.24</b>	<b>Total</b>
<b>Bench Dimensions</b>	Maximum bench height of 15 m in top OB and 5-15 m in coal and intervening parting. Overall ultimate pit slope of 43°.	
<b>Stripping ratio</b>	1:3.15 T:m3	

<b>Method of Mining</b>	Open cast mechanized mining method
<b>Production</b>	3.0 MTPA of Coal
<b>Life of Mine</b>	52 years including 3 years of construction period.
<b>Method of Mining</b>	Open cast mechanized mining method

**Seam wise thickness details**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Minimum</b>	<b>Maximum</b>
1	V COMB	3.24	5.9
2	Parting	3.72	27.16
3	IV COMB	5.15	10.04
4	Parting	0.98	30.55
5	II TOP	6.96	10.61
6	Parting	1.09	5.12
7	II MID	7.17	11.68
8	Parting	0	0
9	II T+M	15.97	20.26
10	Parting	1.4	24.22
11	II BOT	2.85	6.3
12	Parting	5.89	15
13	I TOP	0.42	3.79
14	Parting	0.52	4.51
15	I MID	1.15	8.73
16	Parting	0.17	4.19
17	I BOT	1.01	4.17
18	Parting	0	0
19	I M+B	4.7	11.88
20	Parting	16.8	27.68
21	LOCAL	0.06	2.35
22	Parting	16.39	29.67
23	K- 5	0.08	1.32
24	Parting	4.74	12.65
25	K - 4	0.28	1.74
26	Parting	4.4	9.85
27	K - 3	0.45	1.96
28	Parting	8.45	19.58
29	K -2	0.06	2.99
30	Parting	1.95	13.84
31	K - 1	1.19	4.68



**Land Details (Plot wise)****Khata No.:-**

Thana Name	Barkagaon & Keredari	Thana No.	41, 32, 33, 42, 45, 46, 43, 44
Khata No.	<b>Urub-</b> 15, 8, 7, 12, 28, 16, 10, 13, 14, 18, 19, 20, 21, 25, 49, <b>Beltu-</b> 4, 14, 18, 20, 31, 37, 52, 53, 56, 58, 60, 61, 65, 67, 70, 74, 78, 87, 88, 90, 94, 96, 98, 100, 106, 124, 128, 143, 150, 152, 160, 161, 166, 168, 178, 190, <b>Kandaber-</b> 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 36, 12, 13, 14, 21, 23, 24, 25, 27, 28, 29, 30, 85, 31, 34, 35, 36, 38, 39, 40, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 57, 58, 49, 59, 60, 62, 63, 64, 89, 66, 67, 68, 70, 72, 74, 75, 76, 77, 78, 79, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 92, 93, 95, 97, 98, 99, 100, 112, 51, 54, 110, 111, <b>Bareatu-</b> 21, 42, 69, 106, 133, 138, 143, 144, 145, 154, 131, 135, 62, 39, 61, 60, 1, 95, 124, 16, 41, 85, 95, 124, 108, 107, 155, 156, <b>Nawadih-</b> 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 3, <b>Sirma-</b> 2, 3, 7, 4, 5, 6, 8, 9, 10, 11, 12, 13, <b>Jabra-</b> 1, 2, 3, 4, 5, <b>Basaria-</b> 2, 1, 3, 4, 5, 6	Khesra No.	<b>Urub-</b> 2, 3, 4, 5, 6, 7, 8, 96, 640, 648, 649, 650, 654, 657, 670, 638, 646, 653, 659, 664, 667, 669, 671, 636p, 651, 656, 676p, 637, 639, 644, 647, 652, 658, 668, 691p, 662, 643, 660, 663, 690p, 641, 655, 665, 672p, 95, 97, 634p, 642, 645, 728p, 635p, 661, 666, 677p, 689p, <b>Beltu-</b> 207, 66, 65, 67, 116, 76, 208, 85, 70, 72p, 102, 103, 108, 109, 121, 124, 199p, 206, 113, 141, 63, 77, 125, 129, 134, 115, 210, 73, 75, 205p, 111, 151p, 64, 122, 126, 78p, 127, 88, 91, 94, 95, 118, 79, 97, 106, 139, 93, 99, 130, 136, 96, 69, 80p, 89, 98, 101, 132, 150p, 114, 133, 142, 107, 137, 140, 86, 215, 71, 110, 212p, 216p, 135, 128, 112, 119, 211, 209, 117, 213, 131, 74, 123, 104, 105, 138, 59, 60p, 68, 90, 92, 100, 120, 267p, 81p, 143p, 198p, 214, 222p, 58p, 62p, 87, 84p, <b>Kandaber-</b> 215, 509, 513, 656, 665, 674, 189, 190, 191, 193, 242, 243, 244, 250, 251, 538, 563, 675, 677, 678, 679, 457, 627, 229, 592, 578, 584, 174, 175, 184, 185, 245, 246, 479, 662, 672, 279p, 145, 458, 438p, 149, 225, 241, 428, 487, 530, 541, 596, 661, 455, 488, 497, 153, 182, 265, 580, 181, 233, 238, 471, 204, 211, 198, 199, 201, 202, 216, 217, 491, 495, 496, 591, 594, 600, 601, 196, 427p, 160, 169, 486, 593, 138p, 278p, 621, 178, 213, 247, 249, 499, 521, 523, 557, 598, 628, 649, 441, 537, 210, 252, 474, 475, 515, 177, 214, 239, 248, 443, 490, 498, 508, 519, 522, 558, 560, 597, 650, 460, 612, 615, 668, 206, 573, 581, 582, 583, 585, 646, 647, 653, 659, 236, 259, 430, 481, 638, 643, 651, 156, 234, 270, 619, 671, 440, 575, 260, 227, 254, 476, 589, 611, 253, 256, 235, 472, 173, 205, 514, 607, 237, 637, 506, 510, 520, 533, 535, 542,

AF

8  
y

L



		<p>547, 550, 553, 562, 569, 654, 660, 224, 586, 572, 624, 194, 231, 500, 501, 502, 507, 157, 195, 574, 639, 658, 141, 218, 208, 459, 605, 482, 635, 667, 203, 465, 666, 186, 432p, 226, 588, 590, 613, 616, 670, 154, 579, 617, 180, 263, 534, 524, 429, 599, 147, 148, 209, 462, 463, 477, 540, 645, 146, 275, 276, 602, 603, 604, 618, 652, 504, 505, 511, 512, 525, 526, 528, 529, 531, 532, 536, 539, 543, 544, 546, 548, 549, 551, 552, 554, 555, 556, 561, 570, 571, 626, 655, 641, 642, 503, 576, 577, 622, 623, 451, 452, 453, 464, 566, 567, 568, 223, 456, 644, 663, 673, 676, 158, 478, 150, 151, 152, 163, 164, 165, 166, 167, 187, 188, 192, 220, 221, 222, 230, 232, 255, 447, 448, 449, 450, 467, 468, 469, 470, 219, 228, 587, 606, 610, 155, 262, 264, 516, 608, 480, 636, 207, 461, 609, 614, 620, 669, 595, 657, 632, 631, 630, 648, 269, 140, 143, 144, 159, 161, 162, 168, 170, 171, 172, 179, 183, 258, 261, 266, 267, 268, 272, 274, 439, 445, 446, 483, 489, 492, 494, 517, 518, 136p, 142p, 273p, 48p, 139, 176, 200, 240, 257, 277, 437p, 442, 454, 466, 473, 484, 485, 564, 565, 629, 633, 664, 680, 197, 271, 431, 444, 493, 527, 545, 212, 375, 559, 625, 634, 640, <b>Bareatu-</b> 1692, 49, 60, 57, 1693, 51, 55, 56, 47, 54, 1690, 19, 53, 22, 30, 32, 35, 37, 41, 61, 62, 5, 6, 7, 11, 12, 13, 14, 15, 16, 17, 18, 20, 23, 24, 25, 26, 27, 28, 31, 33, 34, 36, 38, 39, 42, 43, 44, 45, 46, 48, 52, 58, 1688, 1689, 1691, 8, 9, 10, 29, 40, 59, 1685, 1687, 21, 50, 1, 2, 3, 4, 63p, 232p, 1686, <b>Nawadih-</b> 293, 333, 334, 411, 414, 495, 504, 410, 298, 203p, 230p, 295p, 182, 212, 305, 335, 337, 416, 417, 482, 438p, 350, 412, 415, 432p, 322, 323, 441, 216p, 166, 209, 210, 292, 302, 303, 306, 307, 308, 309, 310, 311, 312, 313, 314, 325, 326, 327, 338, 451, 452, 453, 454, 455, 456, 460, 461, 462, 463, 464, 465, 483, 490, 491, 499, 500, 167p, 339p, 428p, 436p, 437p, 353, 429p, 496, 213p, 183, 185, 186p, 234p, 204, 296, 297, 299, 301, 304, 439p, 442, 445, 467, 472, 484,</p>
--	--	--



		<p>493, 498, 231, 347, 348, 421, 476, 477, 480, 503, 184, 205, 300, 324, 466, 440p, 502, 206, 317, 319, 330, 331, 332, 494, 434p, 336, 341, 342, 345, 346, 349, 413, 418, 501, 340p, 356p, 433p, 315, 320, 321, 459, 468, 471, 473, 475, 492, 497, 435p, 294p, 344, 407, 420, 479, 405p, 409p, 448, 470, 359p, 180, 181, 318, 478, 211, 179p, 235p, 352, 419, 233p, 444, 469, 474, 354, 449, 486, 487, 488, 489, 431p, 291, 351, 447, 485, 290p, 430p, 446, 164p, 165, 208, 329, 406, 443, 457, 481, 229p, 280p, 355p, 458, 408p, 328, 343, 450p, 152p, 174p, 187p, 207, 218p, 237p, 316, 276p, 399p, 422, 505, 162p, <b>Sirma-</b> 149, 169, 198, 202, 237, 241, 263, 264, 274, 284, 103p, 64p, 28, 29, 31, 69, 70, 72, 108, 116, 121, 124, 127, 129, 132, 136, 140, 142, 160, 162, 163, 171, 177, 181, 183, 184, 188, 192, 205, 211, 214, 220, 239, 253, 268, 277, 286, 289, 68p, 109, 112, 170, 178, 182, 197, 204, 236, 238, 252, 107p, 63p, 81p, 150, 199, 230, 231, 290, 114, 122, 123, 130, 131, 139, 141, 143, 152, 157, 161, 168, 172, 175, 186, 191, 213, 217, 219, 223, 227, 228, 229, 232, 254, 257, 265, 266, 273, 275, 282, 288, 295, 33p, 73p, 98, 100, 115, 120, 134, 137, 147, 167, 173, 174, 179, 187, 190, 201, 207, 209, 210, 215, 221, 222, 226, 249, 255, 283, 287, 293, 101p, 32p, 83p, 74, 102, 118, 126, 128, 135, 145, 151, 165, 166, 180, 193, 196, 203, 206, 208, 233, 234, 246, 258, 261, 262, 267, 279, 285, 294, 67p, 110, 113, 117, 119, 133, 146, 155, 158, 248, 256, 259, 269, 270, 271, 281, 164, 176, 260, 276, 71, 99, 111, 125, 138, 148, 153, 154, 156, 159, 185, 189, 194, 200, 212, 216, 224, 235, 242, 243, 244, 251, 278, 280, 292, 218, 225, 250, 272, 97p, 144, 195, 240, 245, 247, 291, 296, 30p, <b>Jabra-</b> 5, 10, 13, 16, 19, 22, 28, 33, 37, 40, 44, 47, 54, 57, 59, 71, 73, 76, 77, 83, 89, 93, 96, 38, 68, 4, 7, 9, 12, 18, 21, 26, 29, 34, 35, 39, 41, 43, 46, 52, 55, 58, 61, 63, 67, 69, 72, 75, 79, 81, 84, 86, 90, 92, 94, 97, 3, 8, 11, 14, 15, 17, 20, 23, 25, 27, 30, 36, 45, 53, 56, 60, 62,</p>
--	--	---

			64, 65, 66, 70, 74, 78, 80, 82, 85, 88, 91, 95, 48, 50, 1, 6, 24, 31, 32, 42, 49, 51, 87, 2, Basaria-17, 18, 22, 23, 24, 25, 28, 31, 33, 36, 1, 3, 4, 6, 8, 9, 11, 13, 14, 15, 35, 37, 19, 20, 30, 5, 7, 21, 26, 29, 16, 2, 10, 12, 27, 32, 34
--	--	--	--

Type wise Land details of Pakri Barwadih North West Mine								
Sl.No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
Tenancy Land								
1	Tenancy	113.557		4	207	0.15	0.061	Certification has been taken for this area from DC, Hazaribagh (as per Jharkhand Govt. circular 4792 dt 04.12.2018) vide letter no. 3070 dt 05.09.2023
2				14	66	0.11	0.045	
3				14	65	0.06	0.024	
4				14	67	0.07	0.028	
5				14	116	0.06	0.024	
6				14	76	0.15	0.061	
7				14	208	0.06	0.024	
8				18	85	0.48	0.194	
9				20	70	0.13	0.053	
10				20	72p	0.23	0.093	
11				31	102	0.84	0.340	
12				37	103	0.24	0.097	
13				37	108	0.17	0.069	
14				37	109	0.08	0.032	
15				52	121	0.49	0.198	
16				52	124	0.38	0.154	
17				53	199p	0.02	0.008	
18				53	206	0.05	0.020	
19				56	113	0.38	0.154	
20				56	141	0.10	0.040	
21				58	63	0.20	0.081	
22				58	77	0.10	0.040	
23				58	125	0.25	0.101	
24				60	129	0.07	0.028	
25				60	134	0.05	0.020	
26				61	115	0.09	0.036	
27				61	210	0.14	0.057	
28				65	73	0.07	0.028	
29				67	75	0.05	0.020	
30				70	205p	0.01	0.004	
31				74	111	0.03	0.012	
32				74	151p	0.04	0.016	
33				78	64	0.13	0.053	



34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69

Beltu

78	122	0.22	0.089
78	126	0.25	0.101
78	78p	0.06	0.024
78	127	0.53	0.214
87	88	0.23	0.093
87	91	0.20	0.081
87	94	0.06	0.024
87	95	0.03	0.012
87	118	0.13	0.053
87	79	0.15	0.061
87	97	0.05	0.020
88	106	0.14	0.057
88	139	0.13	0.053
90	93	0.26	0.105
90	99	0.18	0.073
90	130	0.24	0.097
90	136	0.19	0.077
90	96	0.04	0.016
94	69	0.37	0.150
94	80p	0.21	0.085
94	89	0.24	0.097
94	98	0.33	0.134
94	101	0.16	0.065
94	132	0.13	0.053
96	150p	0.10	0.040
98	114	0.32	0.130
98	133	0.32	0.130
98	142	0.11	0.045
100	107	0.14	0.057
100	137	0.02	0.008
100	140	0.14	0.057
106	86	0.19	0.077
106	215	0.16	0.065
124	71	0.16	0.065
128	110	0.10	0.040
128	212p	0.07	0.028

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
70				128	216p	0.08	0.032	
71				143	135	0.08	0.032	
72				143	128	0.04	0.016	
73				150	112	0.03	0.012	
74				150	119	0.05	0.020	
75				150	211	0.19	0.077	
76				152	209	0.07	0.028	
77				152	117	0.03	0.012	
78				160	213	0.19	0.077	
79				161	131	0.26	0.105	
80				166	74	0.08	0.032	
81				168	123	0.24	0.097	
82				178	104	0.08	0.032	
83				178	105	0.07	0.028	
84				178	138	0.20	0.081	
1				21	1692	0.42	0.170	
2				42	49	0.13	0.053	
3				42	60	0.25	0.101	
4				69	57	0.22	0.089	
5				106	1693	1.69	0.684	
6				133	51	0.04	0.016	
7				133	55	0.04	0.016	
8				133	56	0.15	0.061	
9				138	47	0.52	0.210	
10				138	54	0.02	0.008	
11				143	1690	0.72	0.291	
12				144	19	0.62	0.251	
13				145	53	0.07	0.028	
14				154	22	2.17	0.878	
15				154	30	0.02	0.008	
16				154	32	0.04	0.016	
17				154	35	0.16	0.065	
18				154	37	0.23	0.093	
19				154	41	0.51	0.206	
20				154	61	0.84	0.340	
21				154	62	0.52	0.210	
22				131	5	0.09	0.036	
23				131	6	0.42	0.170	
24				131	7	1.68	0.680	
25				131	11	0.15	0.061	
26				135	12	0.20	0.081	

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*



27			131	13	1.13	0.457
28			131	14	0.40	0.162
29			62	15	0.28	0.113
30		Bariyatu	39	16	0.20	0.081
31			61	17	0.19	0.077
32			60	18	0.24	0.097
33			1	20	1.08	0.437
34			95	23	0.19	0.077
35			95	24	0.07	0.028
36			124	25	0.06	0.024
37			124	26	0.12	0.049
38			124	27	0.12	0.049
39			124	28	0.42	0.170
40			16	31	0.78	0.316
41			41	33	0.40	0.162
42			85	34	0.22	0.089
43			85	36	0.11	0.045
44			85	38	0.80	0.324
45			85	39	0.11	0.045
46			95	42	0.33	0.134
47			95	43	0.09	0.036
48			124	44	0.10	0.040
49			124	45	0.10	0.040
50			124	46	0.15	0.061
51			124	48	1.60	0.648
52			124	52	0.05	0.020
53			108	58	0.20	0.081

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
54				107	1688	0.56	0.227	
55				107	1689	0.58	0.235	
56				107	1691	1.08	0.437	
1				2	17	0.02	0.008	
2				2	18	0.39	0.158	
3				1	22	0.32	0.130	
4				1	23	6.21	2.513	
5				2	24	0.40	0.162	
6				2	25	2.17	0.878	
7				1	28	7.26	2.938	
8				1	31	2.21	0.894	
9				2	33	2.70	1.093	
10				2	36	0.22	0.089	
11				2	1	0.20	0.081	

*AS*

*4*

*1*

12
13
14
15
16
17
18
19
20
21
22
23
24
25
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31

Basaria

2	3	1.41	0.571
2	4	0.17	0.069
2	6	0.07	0.028
2	8	0.22	0.089
2	9	0.82	0.332
2	11	1.60	0.648
2	13	1.17	0.473
2	14	0.07	0.028
2	15	0.03	0.012
2	35	0.04	0.016
2	37	0.53	0.214
3	19	0.87	0.352
3	20	0.43	0.174
4	30	1.23	0.498
4	293	0.02	0.008
4	333	0.04	0.016
4	334	0.56	0.227
4	411	0.22	0.089
4	414	0.15	0.061
4	495	0.20	0.081
5	504	0.49	0.198
6	410	0.93	0.376
7	298	0.06	0.024
7	203p	0.71	0.287
7	230p	0.02	0.008
7	295p	0.06	0.024
8	182	0.50	0.202
8	212	0.29	0.117
8	305	0.03	0.012
8	335	0.07	0.028
8	337	0.06	0.024
8	416	0.39	0.158
8	417	0.02	0.008
		0	
7	482	0.28	0.113
7	438p	0.15	0.061
9	350	0.11	0.045
9	412	0.19	0.077
9	415	0.16	0.065
9	432p	0.11	0.045
10	322	0.09	0.036
10	323	0.03	0.012
		0	
10	441	0.36	0.146
10	216p	0.04	0.016
11	166	0.42	0.170
11	209	0.31	0.125

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*



32			11	210	0.19	0.077
33			11	292	0.04	0.016
34			11	302	0.13	0.053
35			11	303	0.04 0	0.016
36			11	306	0.02	0.008
37			11	307	0.04	0.016
38			11	308	0.22	0.089
39			11	309	0.14	0.057
40			11	310	0.12	0.049
41			11	311	0.20	0.081
42			11	312	0.06	0.024

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
43				11	313	0.08	0.032	
44				11	314	0.21 0	0.085	
45				11	325	0.05	0.020	
46				11	326	0.71	0.287	
47				11	327	0.04 0	0.016	
48				11	338	0.03 0	0.012	
49				11	451	0.19	0.077	
50				11	452	0.22	0.089	
51				11	453	0.24	0.097	
52				11	454	0.27	0.109	
53				11	455	0.31	0.125	
54				11	456	0.17	0.069	
55				11	460	0.11	0.045	
56				11	461	0.11	0.045	
57				11	462	0.18	0.073	
58				11	463	0.02	0.008	
59				11	464	0.05	0.020	
60				11	465	0.02	0.008	
61				11	483	0.27	0.109	
62				11	490	0.20	0.081	
63				11	491	0.19	0.077	
64				11	499	0.10	0.040	
65				11	500	0.18	0.073	
66				11	167p	0.03	0.012	
67				11	339p	0.08	0.032	
68				11	428p	0.01	0.004	
69				11	436p	0.10	0.040	
70				11	437p	0.12	0.049	

AS

g

h

71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112

Nawadiah

12	353	0.18	0.073
13	429p	0.26	0.105
14	496	0.16	0.065
14	213p	0.33	0.134
15	183	0.35 0	0.142
15	185	0.33	0.134
15	186p	0.59	0.239
15	234p	0.02	0.008
16	204	0.47	0.190
16	296	0.04 0	0.016
16	297	0.01	0.004
16	299	0.06	0.024
16	301	0.08	0.032
16	304	0.07	0.028
16	439p	0.08 0	0.032
16	442	0.64	0.259
16	445	0.19	0.077
16	467	0.04	0.016
16	472	0.29	0.117
16	484	0.26	0.105
16	493	0.17	0.069
16	498	0.10	0.040
17	231	0.13	0.053
17	347	0.02	0.008
17	348	0.19	0.077
17	421	0.20	0.081
17	476	0.02	0.008
17	477	0.15	0.061
17	480	0.09	0.036
17	503	0.24	0.097
18	184	0.11	0.045
18	205	0.54	0.219
18	300	0.07	0.028
18	324	0.26	0.105
18	466	0.02	0.008
18	440p	0.15	0.061
18	502	0.16 0	0.065
19	206	0.51	0.206
19	317	0.60	0.243
19	319	0.36	0.146
19	330	0.22	0.089
19	331	0.32	0.130

M

g

L



**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
113				19	332	0.04	0.016	
114				19	494	0.21	0.085	
115				19	434p	0.28	0.113	
116				20	336	0.07	0.028	
117				20	341	0.09	0.036	
118				20	342	0.45	0.182	
119				20	345	0.21	0.085	
120				20	346	0.03	0.012	
121				20	349	0.02	0.008	
122				20	413	0.20	0.081	
123				20	418	0.18	0.073	
124				20	501	0.25	0.101	
125				20	340p	0.01	0.004	
126				20	356p	0.02	0.008	
127				20	433p	0.12	0.049	
128				21	315	0.36	0.146	
129				21	320	0.02 0	0.008	
130				21	321	0.54	0.219	
131				21	459	0.39	0.158	
132				21	468	0.05	0.020	
133				21	471	0.08	0.032	
134				21	473	0.32	0.130	
135				21	475	0.09	0.036	
136				21	492	0.18	0.073	
137				21	497	0.06	0.024	
138				21	435p	0.25	0.101	
139				22	294p	0.02	0.008	
140				23	344	0.21	0.085	
141				23	407	0.07	0.028	
142				23	420	0.10	0.040	
143				23	479	0.36	0.146	
144				23	405p	0.03	0.012	
145				23	409p	0.14	0.057	
146				24	448	0.11	0.045	
147				24	470	0.17	0.069	
148				24	359p	0.16	0.065	
149				25	180	0.03	0.012	
150				25	181	0.06	0.024	
151				25	318	0.29	0.117	
152				25	478	0.24	0.097	
153				26	211	0.42	0.170	
154				26	179p	0.06	0.024	

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
1
2
3
4
5

26	235p	0.02	0.008
27	352	0.22	0.089
27	419	0.30	0.121
28	233p	0.01	0.004
29	444	0.22	0.089
29	469	0.02	0.008
29	474	0.19	0.077
30	354	0.23	0.093
30	449	0.13	0.053
30	486	0.41	0.166
30	487	0.20	0.081
30	488	0.19	0.077
30	489	0.12	0.049
30	431p	0.21	0.085
31	291	0.05	0.020
31	351	0.09	0.036
31	447	0.27	0.109
31	485	0.05	0.020
31	290p	0.03	0.012
31	430p	0.20	0.081
32	446	0.42	0.170
32	164p	0.23 0	0.093
32	165	0.66 0	0.267
2	149	0.38	0.154
2	169	0.30	0.121
2	198	0.14	0.057
2	202	0.37	0.150
2	237	0.35	0.142

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
6				2	241	1.08	0.437	
7				2	263	0.13	0.053	
8				2	264	0.05	0.020	
9				2	274	0.04	0.016	
10				2	284	0.31	0.125	
11				2	103p	0.21	0.085	
12				2	64p	0.03	0.012	
13				3	28	0.93	0.376	
14				3	29	0.07	0.028	
15				3	31	0.04	0.016	
16				3	69	0.04	0.016	
17				3	70	0.06	0.024	

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*



18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64

3	72	0.07	0.028
3	108	0.19	0.077
3	116	0.09	0.036
3	121	0.14	0.057
3	124	0.11	0.045
3	127	0.04	0.016
3	129	0.42	0.170
3	132	0.04	0.016
7	136	0.07	0.028
3	140	0.08	0.032
3	142	0.17	0.069
3	160	0.09	0.036
3	162	0.85	0.344
3	163	0.40	0.162
3	171	0.25	0.101
3	177	2.15	0.870
3	181	0.80	0.324
3	183	0.05	0.020
3	184	0.10	0.040
3	188	0.36	0.146
3	192	0.41	0.166
3	205	0.16	0.065
3	211	0.30	0.121
3	214	0.17	0.069
3	220	0.10	0.040
3	239	0.29	0.117
3	253	0.11	0.045
3	268	0.36	0.146
3	277	0.80	0.324
3	286	1.46	0.591
3	289	0.14	0.057
3	68p	0.26	0.105
4	109	0.11	0.045
4	112	0.26	0.105
4	170	0.44	0.178
4	178	0.08	0.032
4	182	0.53	0.214
4	197	0.20	0.081
4	204	0.13	0.053
4	236	0.03	0.012
4	238	0.30	0.121
4	252	0.13	0.053
4	107p	0.11	0.045
4	63p	0.01	0.004
4	81p	0.01	0.004
5	150	0.15	0.061
5	199	0.17	0.069

A

Sy

h

65			5	230	0.02	0.008
66			5	231	0.25	0.101
67			5	290	0.13	0.053
68			6	114	0.15	0.061
69			6	122	0.08	0.032
70			6	123	0.26	0.105
71			6	130	0.10	0.040
72			6	131	0.62	0.251
73			6	139	0.13	0.053
74			6	141	0.21	0.085
75			6	143	0.15	0.061

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
76				6	152	0.21	0.085	
77				6	157	0.20	0.081	
78				6	161	0.06	0.024	
79				6	168	0.33	0.134	
80				6	172	0.26	0.105	
81				6	175	0.57	0.231	
82				6	186	0.38	0.154	
83				6	191	0.38	0.154	
84				6	213	0.17	0.069	
85				6	217	0.64	0.259	
86				6	219	0.09	0.036	
87				6	223	0.14	0.057	
88				6	227	0.04	0.016	
89			Sirma	6	228	0.57	0.231	
90				6	229	0.05	0.020	
91				6	232	0.28	0.113	
92				6	254	0.29	0.117	
93				6	257	0.20	0.081	
94				6	265	0.08	0.032	
95				6	266	0.17	0.069	
96				6	273	0.10	0.040	
97				2	275	1.06	0.429	
98				6	282	0.10	0.040	
99				6	288	0.16	0.065	
100				6	295	0.54	0.219	
101				6	33p	0.01	0.004	
102				6	73p	0.08	0.032	
103				7	98	0.27	0.109	
104				7	100	0.20	0.081	
105				7	115	0.09	0.036	
106				7	120	0.72	0.291	

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*



107			7	134	0.07	0.028
108			7	137	0.12	0.049
109			7	147	0.28	0.113
110			7	167	0.36	0.146
111			7	173	0.14	0.057
112			7	174	0.43	0.174
113			7	179	0.21	0.085
114			7	187	0.71	0.287
115			7	190	0.24	0.097
116			7	201	0.23	0.093
117			7	207	0.75	0.304
118			7	209	0.05	0.020
119			7	210	0.48	0.194
120			7	215	0.09	0.036
121			7	221	0.06	0.024
122			7	222	0.56	0.227
123			7	226	0.13	0.053
124			7	249	0.19	0.077
125			7	255	0.30	0.121
126			7	283	0.13	0.053
127			7	287	0.14	0.057
128			7	293	0.43	0.174
129			7	101p	0.21	0.085
130			7	32p	0.12	0.049
131			7	83p	0.10	0.040
132			8	74	0.13	0.053
133			8	102	0.04	0.016
134			8	118	0.19	0.077
135			8	126	0.09	0.036
136			8	128	0.47	0.190
137			8	135	0.29	0.117
138			8	145	0.48	0.194
139			8	151	0.28	0.113
140			8	165	0.20	0.081
141			8	166	0.31	0.125
142			8	180	0.07	0.028
143			8	193	0.17	0.069
144			8	196	0.48	0.194
145			8	203	0.24	0.097

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
146				8	206	0.12	0.049	
147				8	208	0.42	0.170	
148				8	233	0.04	0.016	

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*

149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

8	234	0.96	0.389
8	246	0.37	0.150
8	258	0.15	0.061
8	261	0.07	0.028
8	262	0.18	0.073
8	267	0.12	0.049
8	279	0.25	0.101
8	285	0.24	0.097
8	294	0.70	0.283
8	67p	0.11	0.045
9	110	0.12	0.049
9	113	0.51	0.206
9	117	0.34	0.138
9	119	0.22	0.089
9	133	0.38	0.154
9	146	0.30	0.121
9	155	0.10	0.040
9	158	0.03	0.012
9	248	0.36	0.146
9	256	0.26	0.105
9	259	0.40	0.162
9	269	0.12	0.049
9	270	0.94	0.380
9	271	0.03	0.012
9	281	0.16	0.065
10	164	0.25	0.101
10	176	0.03	0.012
11	260	0.09	0.036
11	276	0.15	0.061
1	5	1.22	0.494
1	10	0.13	0.053
1	13	0.03	0.012
1	16	0.33	0.134
1	19	0.08	0.032
1	22	0.07	0.028
1	28	1.06	0.429
1	33	0.06	0.024
1	37	0.06	0.024
1	40	0.12	0.049
1	44	0.09	0.036
1	47	0.18	0.073
1	54	0.13	0.053
1	57	0.40	0.162
1	59	0.99	0.401
1	71	0.19	0.077
1	73	0.04	0.016
1	76	0.05	0.020

M

8  
4

L



19			1	77	0.08	0.032
20			1	83	0.03	0.012
21			1	89	0.32	0.130
22			1	93	0.11	0.045
23			1	96	0.07	0.028
24			1	38	0.32	0.130
25			1	68	0.13	0.053
26			2	4	0.15	0.061
27			2	7	1.11	0.449
28			2	9	0.16	0.065
29			2	12	0.04	0.016
30			2	18	1.04	0.421
31			2	21	0.06	0.024
32			2	26	0.10	0.040
33			2	29	0.25	0.101
34			2	34	0.29	0.117
35			2	35	0.02	0.008
36			2	39	0.13	0.053
37			2	41	0.10	0.040
38			2	43	0.08	0.032

**Type wise Land details of Pakri Barwadih North  
West Mine**

SL No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
39			Jabra	2	46	0.25	0.101	
40				2	52	0.53	0.214	
41				2	55	0.09	0.036	
42				2	58	0.04	0.016	
43				2	61	0.39	0.158	
44				2	63	0.14	0.057	
45				2	67	0.09	0.036	
46				2	69	0.08	0.032	
47				2	72	0.16	0.065	
48				2	75	0.06	0.024	
49				2	79	0.04	0.016	
50				2	81	0.03	0.012	
51				2	84	0.16	0.065	
52				2	86	0.27	0.109	
53				2	90	0.60	0.243	
54				2	92	0.03	0.012	
55				2	94	0.16	0.065	
56				2	97	0.16	0.065	
57				3	3	1.22	0.494	
58				3	8	0.45	0.182	
59				3	11	0.14	0.057	
60				3	14	0.06	0.024	

*M*

*A*

61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20

3	15	0.06	0.024
3	17	0.20	0.081
3	20	0.16	0.065
3	23	0.08	0.032
3	25	0.64	0.259
3	27	0.16	0.065
3	30	0.43	0.174
3	36	0.23	0.093
3	45	0.60	0.243
3	53	0.54	0.219
3	56	0.04	0.016
3	60	0.21	0.085
3	62	0.24	0.097
3	64	0.17	0.069
3	65	0.59	0.239
3	66	0.10	0.040
3	70	0.37	0.150
3	74	0.10	0.040
3	78	0.02	0.008
3	80	0.02	0.008
3	82	0.07	0.028
3	85	0.18	0.073
3	88	0.11	0.045
3	91	0.21	0.085
3	95	0.11	0.045
4	48	0.39	0.158
4	50	0.14	0.057
2	215	0.32	0.130
2	509	0.88	0.356
2	513	1.08	0.437
2	656	0.23	0.093
2	665	0.74	0.299
2	674	0.68	0.275
3	189	0.24	0.097
3	190	0.11	0.045
3	191	0.11	0.045
3	193	0.20	0.081
3	242	0.10	0.040
3	243	0.17	0.069
3	244	0.19	0.077
3	250	0.11	0.045
3	251	0.13	0.053
3	538	0.06	0.024
3	563	0.45	0.182
3	675	0.12	0.049
3	677	0.24	0.097
3	678	0.13	0.053

AA

6  
y

12



21			3	679	0.09	0.036
----	--	--	---	-----	------	-------

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
22				4	457	0.55	0.223	
23				4	627	0.30	0.121	
24				5	229	0.17	0.069	
25				5	592	0.29	0.117	
26				6	578	0.53	0.214	
27				6	584	0.10	0.040	
28				7	174	0.18	0.073	
29				7	175	0.17	0.069	
30				7	184	0.41	0.166	
31				7	185	0.36	0.146	
32				7	245	0.23	0.093	
33				7	246	0.23	0.093	
34				7	479	0.28	0.113	
35				8	662	0.29	0.117	
36				8	672	0.45	0.182	
37				8	279p	0.01	0.004	
38				9	145	0.14	0.057	
39				9	458	0.26	0.105	
40				10	438p	0.38	0.154	
41				11	149	0.20	0.081	
42				36	225	0.05	0.020	
43				11	241	0.26	0.105	
44				11	428	0.18	0.073	
45				11	487	0.78	0.316	
46				11	530	0.59	0.239	
47				11	541	0.33	0.134	
48				11	596	0.06	0.024	
49				11	661	0.27	0.109	
50				12	455	0.41	0.166	
51				12	488	0.40	0.162	
52				12	497	0.09	0.036	
53				13	153	0.14	0.057	
54				13	182	0.22	0.089	
55				13	265	0.26	0.105	
56				13	580	0.23	0.093	
57				14	181	0.32	0.130	
58				14	233	0.19	0.077	

AS

6  
9

1

59			14	238	0.07	0.028
60			14	471	0.34	0.138
61			21	204	0.28	0.113
62			21	211	0.37	0.150
63			23	198	0.07	0.028
64			23	199	0.05	0.020
65			23	201	0.11	0.045
66			23	202	0.06	0.024
67			23	216	0.11	0.045
68			23	217	0.07	0.028
69			23	491	0.45	0.182
70			23	495	0.09	0.036
71			23	496	0.04	0.016
72			23	591	0.33	0.134
73			23	594	0.23	0.093
74			23	600	0.09	0.036
75			23	601	0.06	0.024
76			24	196	0.58	0.235
77			24	427p 0	0.30	0.121
78			25	160 0	0.66	0.267
79			25	169 0	0.24	0.097
80			25	486	1.46	0.591
81			25	593	0.26	0.105
82			25	138p	0.27	0.109
83			25	278p 0	0.07	0.028
84			27	621	0.34	0.138
85			28	178	0.17	0.069
86			28	213	0.05	0.020
87			28	247	0.14	0.057
88			28	249	0.39	0.158
89			28	499	0.05	0.020
90			28	521	0.18	0.073
91			28	523	0.08	0.032

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
92				28	557	0.28	0.113	
93				28	598	0.14	0.057	
94				28	628	0.36	0.146	
95				28	649	0.23	0.093	
96				29	441	0.72	0.291	
97				29	537	0.30	0.121	

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*



98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144

30	210	0.10	0.040
30	252	0.17	0.069
85	474	0.17	0.069
30	475	0.17	0.069
30	515	0.33	0.134
31	177	0.18	0.073
31	214	0.21	0.085
31	239	0.07	0.028
31	248	0.48	0.194
31	443	0.13	0.053
31	490	0.64	0.259
31	498	0.06	0.024
31	508	0.14	0.057
31	519	0.40	0.162
31	522	0.26	0.105
31	558	0.08	0.032
31	560	0.74	0.299
31	597	0.05	0.020
31	650	0.29	0.117
34	460	0.18	0.073
35	612	0.12	0.049
35	615	0.24	0.097
35	668	0.05	0.020
36	206	0.31	0.125
36	573	0.14	0.057
36	581	0.16	0.065
36	582	0.26	0.105
36	583	0.22	0.089
36	585	0.09	0.036
36	646	0.35	0.142
36	647	0.46	0.186
36	653	0.16	0.065
36	659	0.32	0.130
38	236	0.04	0.016
38	259	0.08	0.032
39	430	0.34	0.138
39	481	0.48	0.194
39	638	0.10	0.040
39	643	0.30	0.121
39	651	0.48	0.194
40	156	0.17	0.069
40	234	0.16	0.065
40	270	0.20	0.081
42	619	0.16	0.065
42	671	0.18	0.073
42	440	0.42	0.170
43	575	0.49	0.198

12

12

12

145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161

44	260	0.07	0.028
45	227	0.04	0.016
45	254	0.25	0.101
45	476	0.18	0.073
45	589	0.14	0.057
46	611	0.30	0.121
47	253	0.90	0.364
47	256	0.10	0.040
48	235	0.24	0.097
48	472	0.62	0.251
49	173	0.23	0.093
50	205	0.18	0.073
50	514	0.20	0.081
50	607	0.20	0.081
51	237	0.06	0.024
52	637	0.34	0.138
53	506	0.05	0.020

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
162				53	510	0.13	0.053	
163				53	520	0.26	0.105	
164				53	533	0.56	0.227	
165				53	535	0.34	0.138	
166				53	542	0.14	0.057	
167				53	547	0.60	0.243	
168				53	550	0.72	0.291	
169				53	553	0.22	0.089	
170				53	562	0.52	0.210	
171				53	569	0.16	0.065	
172				53	654	0.18	0.073	
173				53	660	0.24	0.097	
174				57	224	0.05	0.020	
175				57	586	0.13	0.053	
176				58	572	0.42	0.170	
177				58	624	0.19	0.077	
178				49	194	0.30	0.121	
179				49	231	0.12	0.049	
180				59	500	0.30	0.121	
181				59	501	0.73	0.295	
182			Kandaber	59	502	0.12	0.049	
183				59	507	0.60	0.243	
184				60	157	0.19	0.077	
185				60	195	0.05	0.020	

*M*

*83*

*1*



186		60	574	0.17	0.069
187		60	639	0.21	0.085
188		60	658	0.08	0.032
189		62	141	0.50	0.202
190		62	218	0.14	0.057
191		63	208	0.25	0.101
192		63	459	0.17	0.069
193		63	605	0.21	0.085
194		64	482	0.08	0.032
195		64	635	0.16	0.065
196		64	667	0.14	0.057
197		89	203	0.16	0.065
198		66	465	0.32	0.130
199		66	666	0.20	0.081
200		67	186	0.12	0.049
201		67	432p	0.42	0.170
202		68	226	0.05	0.020
203		68	588	0.06	0.024
204		68	590	0.07	0.028
205		68	613	0.10	0.040
206		68	616	0.30	0.121
207		68	670	0.09	0.036
208		70	154	0.18	0.073
209		70	579	0.16	0.065
210		70	617	0.32	0.130
211		72	180	0.24	0.097
212		72	263	0.25	0.101
213		72	534	0.65	0.263
214		74	524	0.28	0.113
215		75	429	0.25	0.101
216		75	599	0.54	0.219
217		76	147	0.14	0.057
218		76	148	0.05	0.020
219		76	209	0.11	0.045
220		76	462	0.25	0.101
221		76	463	0.49	0.198
222		76	477	0.05	0.020
223		76	540	0.29	0.117
224		76	645	0.18	0.073
225		77	146	0.10	0.040
226		77	275	0.05	0.020
227		77	276	0.11	0.045
228		77	602	0.11	0.045
229		77	603	0.13	0.053
230		77	604	0.28	0.113
231		78	618	0.34	0.138

MA

g

h

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
232				78	652	0.20	0.081	
233				79	504	0.03	0.012	
234				79	505	0.05	0.020	
235				79	511	0.14	0.057	
236				79	512	0.16	0.065	
237				79	525	0.07	0.028	
238				79	526	0.04	0.016	
239				79	528	0.10	0.040	
240				79	529	0.08	0.032	
241				79	531	0.02	0.008	
242				79	532	0.02	0.008	
243				79	536	0.30	0.121	
244				79	539	0.28	0.113	
245				79	543	0.08	0.032	
246				79	544	0.22	0.089	
247				79	546	0.12	0.049	
248				79	548	0.96	0.389	
249				79	549	0.55	0.223	
250				79	551	0.20	0.081	
251				79	552	0.10	0.040	
252				79	554	0.12	0.049	
253				79	555	0.16	0.065	
254				79	556	0.19	0.077	
255				79	561	0.18	0.073	
256				79	570	0.10	0.040	
257				79	571	0.10	0.040	
258				79	626	0.22	0.089	
259				79	655	0.16	0.065	
260				81	641	0.77	0.312	
261				81	642	0.02	0.008	
262				82	503	0.08	0.032	
263				82	576	0.28	0.113	
264				82	577	0.26	0.105	
265				82	622	0.22	0.089	
266				82	623	0.32	0.130	
267				83	451	0.28	0.113	
268				83	452	0.45	0.182	
269				83	453	0.12	0.049	
270				83	464	0.20	0.081	
271				83	566	0.10	0.040	
272				83	567	0.11	0.045	
273				83	568	0.14	0.057	

AKJ

g

L



274			84	223	0.08	0.032
275			84	456	0.35	0.142
276			84	644	0.28	0.113
277			84	663	0.30	0.121
278			84	673	0.25	0.101
279			84	676	0.10	0.040
280			85	158	0.30	0.121
281			85	478	0.17	0.069
282			86	150	0.16	0.065
283			86	151	0.14	0.057
284			86	152	0.15	0.061
285			86	163	0.05	0.020
286			86	164	0.14	0.057
287			86	165	0.14	0.057
288			86	166	0.14	0.057
289			86	167	0.15	0.061
290			86	187	0.08	0.032
291			86	188	0.08	0.032
292			86	192	0.06	0.024
293			86	220	0.05	0.020
294			86	221	0.08	0.032
295			86	222	0.09	0.036
296			86	230	0.05	0.020
297			86	232	0.06	0.024
298			86	255	0.28	0.113
299			86	447	0.15	0.061
300			86	448	0.16	0.065
301			86	449	0.10	0.040

**Type wise Land details of Pakri Barwadih North  
West Mine**

SL No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
302				86	450	0.56	0.227	
303				86	467	0.31	0.125	
304				86	468	0.28	0.113	
305				86	469	0.22	0.089	
306				86	470	0.25	0.101	
307				86	219	0.11	0.045	
308				87	228	0.09	0.036	
309				87	587	0.26	0.105	
310				88	606	0.05	0.020	
311				88	610	0.30	0.121	
312				89	155	0.27	0.109	
313				89	262	0.18	0.073	
314				89	264	0.34	0.138	
315				89	516	0.20	0.081	

316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362

89	608	0.07	0.028
90	480	0.22	0.089
90	636	0.20	0.081
92	207	0.28	0.113
92	461	0.28	0.113
92	609	0.40	0.162
93	614	0.08	0.032
93	620	0.20	0.081
93	669	0.05	0.020
95	595	0.74	0.299
95	657	0.34	0.138
97	632	0.64	0.259
98	631	0.16	0.065
99	630	1.78	0.720
100	648	0.42	0.170
112	269	0.77	0.312
51	140	0.36	0.146
51	143	0.16	0.065
51	144	0.17	0.069
51	159	0.62	0.251
51	161	0.09	0.036
51	162	0.07	0.028
51	168	0.29	0.117
51	170	0.37	0.150
51	171	0.22	0.089
51	172	0.16	0.065
51	179	0.27	0.109
51	183	0.20	0.081
51	258	0.06	0.024
54	261	0.08	0.032
54	266	0.08	0.032
54	267	0.11	0.045
54	268	0.07	0.028
54	272	0.12	0.049
54	274	0.07	0.028
54	439	0.65	0.263
54	445	0.21	0.085
54	446	0.60	0.243
54	483	0.27	0.109
54	489	0.29	0.117
54	492	0.80	0.324
54	494	0.38	0.154
54	517	0.30	0.121
54	518	0.08	0.032
54	136p	0.12	0.049
54	142p	0.12	0.049
54	273p	0.53	0.214

AS

6  
7

1



1			15	2	1.55	0.627
2			8	3	1.12	0.453
3			7	4	0.82	0.332
4			12	5	0.94	0.380
5			28	6	1.13	0.457
6			16	7	1.02	0.413
7			15	8	0.63	0.255
8			10	96	1.21	0.490
9			10	640	0.21	0.085

**Type wise Land details of Pakri Barwadih North  
West Mine**

SL No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
10				10	648	0.13	0.053	
11				10	649	0.40	0.162	
12				10	650	0.51	0.206	
13				13	654	0.15	0.061	
14				13	657	0.16	0.065	
15				13	670	0.13	0.053	
16				14	638	0.49	0.198	
17				14	646	1.03	0.417	
18				14	653	0.16	0.065	
19				14	659	0.12	0.049	
20				14	664	0.34	0.138	
21				14	667	0.36	0.146	
22				14	669	0.46	0.186	
23			Urub	14	671	0.34	0.138	
24				14	636p	0.95	0.384	
25				18	651	0.43	0.174	
26				18	656	0.14	0.057	
27				18	676p	0.10	0.040	
28				19	637	0.20	0.081	
29					639	0.19	0.077	
30				19	644	0.17	0.069	
31				19	647	0.07	0.028	
32				19	652	0.17	0.069	
33				19	658	0.30	0.121	
34				19	668	0.36	0.146	
35				19	691p	0.04	0.016	
36				20	662	1.03	0.417	
37				21	643	0.39	0.158	
38				21	660	0.11	0.045	
39				21	663	0.37	0.150	
40				21	690p	0.08	0.032	

AA

h

h

41			25	641	0.66	0.267
42			25	655	0.85	0.344
43			25	665	0.45	0.182
44			25	672p	1.23	0.498

**Gair Majurwa Land**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
1			Beltu	190	59	0.28	0.113	
2				190	60p	3.53	1.429	
3				190	68	0.32	0.130	
4				190	90	0.10	0.040	
5				190	92	0.01	0.004	
6				190	100	0.05	0.020	
7				190	120	0.22	0.089	
8				190	267p	1.67	0.676	
1			Bariyatu	155	8	0.35	0.142	
2				155	9	2.31	0.935	
3				155	10	0.05	0.020	
4				155	29	0.04	0.016	
5				155	40	0.02	0.008	
6				155	59	0.04	0.016	
7				155	1685	1.53	0.619	
8				156	1687	2.35	0.951	
1			Basaria	5	5	0.53	0.214	
2				5	7	0.03	0.012	
3				5	21	0.03	0.012	
4				5	26	0.01	0.004	
5				5	29	1.18	0.478	
6				6	16	0.07	0.028	
1				34	208	0.10	0.040	
2				34	329	0.04	0.016	
3				34	406	0.02	0.008	
4				34	443	0.02	0.008	
5				34	457	0.03	0.012	
6				34	481	0.13	0.053	

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl. No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
7			Nawadih	34	229p	0.05	0.020	
8				34	280p	0.23	0.093	
9				34	355p	0.04	0.016	
10				34	458	0.16	0.065	
11				34	408p	0.05	0.020	



12
13
14
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
1
2
3
4
5
6
7
8
9
1
2
3

Gair  
Majorwa

19.713

	35	328	0.14	0.057
	35	343	0.09	0.036
	35	450p	0.34	0.138
Sirma	12	71	0.16	0.065
	12	99	0.04	0.016
	12	111	0.04	0.016
	12	125	0.09	0.036
	12	138	0.01	0.004
	12	148	0.08	0.032
	12	153	0.07	0.028
	12	154	0.02	0.008
	12	156	0.19	0.077
	12	159	0.17	0.069
	12	185	0.03	0.012
	12	189	0.22	0.089
	12	194	0.06	0.024
	12	200	0.02	0.008
	12	212	0.11	0.045
	12	216	0.04	0.016
	12	224	0.03	0.012
	12	235	0.81	0.328
	12	242	0.31	0.125
	12	243	1.18	0.478
	12	244	0.12	0.049
	12	251	0.10	0.040
	12	278	0.08	0.032
	12	280	0.08	0.032
	12	292	0.05	0.020
Jabra	13	218	0.02	0.008
	13	225	0.37	0.150
	13	250	0.06	0.024
	13	272	0.13	0.053
	5	1	0.13	0.053
	5	6	0.07	0.028
	5	24	0.46	0.186
	5	31	0.07	0.028
	5	32	0.15	0.061
	5	42	0.10	0.040
	5	49	0.27	0.109
	5	51	2.30	0.931
	5	87	0.04	0.016
	110	48p	3.40	1.376
	110	139	0.04	0.016
	110	176	0.01	0.004

Certification has been  
taken for this area from  
DC, Hazaribagh in Form-I  
(as per Jharkhand Govt.  
circular 4792 dt  
04.12.2018) vide letter no.  
3070 dt 05.09.2023

*M*

*8*

*L*

4			110	200	0.32	0.130
5			111	240	0.87	0.352
6			110	257	0.09	0.036
7			110	277	0.28	0.113
8			110	437p	0.01	0.004
9			110	442	0.04	0.016
10		Kandaber	110	454	4.42	1.789
11			110	466	0.04	0.016
12			110	473	1.73	0.700
13			110	484	4.55	1.841
14			110	485	0.41	0.166
15			110	564	1.14	0.461
16			111	565	0.46	0.186
17			110	629	0.02	0.008
18			110	633	0.14	0.057
19			110	664	0.03	0.012
20			110	680	0.39	0.158
1			49	95	0.22	0.089

**Type wise Land details of Pakri Barwadih North  
West Mine**

Sl.No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
2			Urub	49	97	0.81	0.328	
3				49	634p	1.35	0.546	
4				49	642	0.66	0.267	
5				49	645	0.27	0.109	
6				49	728p	2.57	1.040	

**Forest Land**

Sl.No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
1			Beltu	190	58p	5.58	2.258	Stage-I FC has been
2				190	62p	1.34	0.542	
3				190	84p	4.72	1.910	
4				190	87	1.16	0.469	
1			Bariyatu	155	1	24.00	9.713	
2				155	2	109.75	44.415	
3				155	3	70.50	28.531	
4				155	4	75.00	30.352	
5				155	63p	20.41	8.260	
6				155	232p	126.12	51.040	
7				155	1686	67.50	27.317	
1			Basaria	5	27	24.00	9.713	
2				5	32	26.75	10.826	
3				5	34	31.75	12.849	

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*



1	Forest	327.058	Nawadih	3	162p	3.27	1.323	granted by MoEF&CC vide 8-56/2009-FC-(vol) Dt 26.05.2023
2				3	276p	0.15	0.061	
3				3	399p	3.81	1.542	
4				3	422	21.00	8.499	
5				3	505	33.50	13.557	
1			Sirma	12	30p	50.80	20.558	Stage-II FC has been granted by MoEF&CC vide 8-56/2009-FC-(vol) Dt 17.09.2010
1			Jabra	5	2	9.10	3.683	
1			Kandaber	110	212	10.13	4.100	
2				110	375	6.050	2.448	
3				110	559	1.96	0.793	
4				110	625	9.02	3.650	
5				110	634	15.00	6.070	
6				110	640	4.66	1.886	
1			Urub	49	9p	18.07	7.313	
2				49	10p	7.02	2.841	
3				49	12p	4.72	1.910	
4				49	13p	4.21	1.704	
5				49	85p	9.10	3.683	
6				49	94p	7.20	2.914	
7				49	105p	0.81	0.328	

#### Jungle Jhari Land

Sl.No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
1	Jungle Jhadi	24.832	Beltu	190	81p	0.52	0.210	Stage-I FC has been granted by MoEF&CC vide 8-56/2009-FC-(vol) Dt 26.05.2023
2				190	143p	5.83	2.359	
3				190	198p	0.46	0.186	
4				190	214	1.64	0.664	
5				190	222p	0.07	0.028	
1			Bariyatu	155	21	0.09	0.036	
2				155	50	0.49	0.198	
1			Basaria	5	2	1.07	0.433	
2				5	10	1.33	0.538	
3				5	12	1.42	0.575	
1			Nawadih	3	152p	0.80	0.324	
2				3	174p	3.54	1.433	
3				3	187p	0.39	0.158	
4				3	207	2.14	0.866	
5				3	218p	0.73	0.295	
6				3	237p	0.06	0.024	
7				3	316	1.32	0.534	
1				12	97p	1.01	0.409	
2				12	144	2.68	1.085	

AB

2

1

Type wise Land details of Pakri Barwadih North West Mine								
Sl.No.	Land Type	Total Area (Ha)	Village	Khata	Plot	Area of Plot (Acre)	Area of Plot (Ha.)	Remarks
3			Sirma	12	195	2.47	1.000	
4				12	240	1.82	0.737	
5				12	245	0.30	0.121	
6				12	247	0.74	0.299	
7				12	291	0.33	0.134	
8				12	296	0.41	0.166	
1			Kandaber	110	197	0.72	0.291	
2				110	271	0.27	0.109	
3				110	431	1.90 0	0.769	
4				110	444	0.13	0.053	
5				110	493	2.07	0.838	
6				110	527	0.59	0.239	
7				110	545	0.47	0.190	
1			Urub	49	635p	1.00	0.405	
2				49	661	9.82	3.974	
3				49	666	7.95	3.217	
4				49	677p	4.75	1.922	
5				49	689p	0.03	0.012	
	<b>TOTAL AREA</b>	<b>485.16</b>						

**Statutory Clearances:**

1	LOI/Lease docs	:	Land has been Transferred to National Thermal Power Corporation (NTPC)
2	CO	:	The CO, Keredari Block vide letter no. 572, dated 03.07.2023 has clarified that Khatiyani /Revenue record is not available in the Keredari block.
		:	The CO, Barkagaon Block vide letter no. 613, dated 03.07.2023 has clarified that Khatiyani /Revenue record is not available in the Keredari block. In the absence of Khatiyani, the Deputy Commissioner, Hazaribagh has issued certificate vide letter no. 3070/Ra, dated 05.09.2023 in the light of Land, Revenue and Reforms Deptt., Govt. of Jharkhand notification no. 4792, dated 04.12.2018.
3	DFO Wild Life	:	DFO, Wildlife Hazaribag vide letter no. 1219, dated 26.06.2023 certified that the said project is outside Eco









			Sensitive Zone of Hazaribag Wildlife Sanctuary													
4	DFO Forest Distance	:	<p>DFO, Hazaribag West Division vide letter no. 3724, dated 08.07.2023 certified that the proposal includes forest land.</p> <p>Out of 485.16 Ha of lease area, 351.89 Ha is forest land.</p> <ul style="list-style-type: none"> <li>• 20.692 ha of forest land is already transferred to NTPC vide Stage-II FC no. 8-56/2009-FC-(vol) dt 17.09.2010.</li> <li>• FC Stage-I for 331.198 Ha is granted vide letter no.- 8-56/2009-FC-(VOI) – I/44905/23, dated 26.05.2023.</li> </ul>													
5	Mine Plan Approved	:	Mine Plan approved by Ministry of Coal, Govt. of India vide no. 13016/29/2003-CA-I(Part), Dated- 07.03.2016													
6	Public Hearing	:	Public hearing conducted on 11.11.2022													
7	Terms of Reference (ToR)	:	<b>Terms of Reference (ToR)</b> granted by MOEF&CC, Govt. of India vide J-11015/60/2019-IA-II(M), dated 26.06.2019													
8	CGWA	:	No Objection Certificate (NOC) for Ground Water Abstraction issued by CGWA vide NOC no. : CGWA/ NOC/ MIN/ORIG/2021/12198, dated 22.08.2023 valid up to 01.07.2025													
9	Diversion of Forest Land	:	<p>Out of 485.16Ha of lease area, 351.89 Ha is forest.</p> <ul style="list-style-type: none"> <li>• 20.692 ha of forest land is already transferred to NTPC vide Stage-II FC no. 8-56/2009-FC-(vol) dt 17.09.2010.</li> <li>• FC Stage-I for 331.198 Ha is granted vide letter no.- 8-56/2009-FC-(VOI) – I/44905/23, dated 26.05.2023.</li> </ul> <table border="1"> <thead> <tr> <th colspan="4">DETAILS OF PRESENT STATUS OF LAND</th></tr> <tr> <th>S.No</th><th colspan="2">Type</th><th>Area (Ha)</th></tr> </thead> <tbody> <tr> <td rowspan="2">1</td><td rowspan="2">Tenancy</td><td>Agricultural</td><td rowspan="2">113.557</td></tr> <tr> <td>Habitation</td></tr> </tbody> </table>	DETAILS OF PRESENT STATUS OF LAND				S.No	Type		Area (Ha)	1	Tenancy	Agricultural	113.557	Habitation
DETAILS OF PRESENT STATUS OF LAND																
S.No	Type		Area (Ha)													
1	Tenancy	Agricultural	113.557													
		Habitation														

					Grazing			
					Barren			
			2	Government Non Forest	Agricultural	19.713		
					Habitation			
					Grazing			
					Barren			
			3	Gair Majarua Jungle Jhari (GMJJ)	Forest	24.832		
			4	Forest		327.058		
			Total					485.16

#### **IMPACT AND MITIGATION MEASURES:**

- ❖ **Air:** The principal sources of air pollution due to mining and allied activities are drilling, blasting, movement of HEMM, wind erosion of dumps, CHP operation etc. It is proposed to adopt various control measures such wet drilling, controlled blasting, fixed water sprinkling of 2km length, mobile water sprinkler, covering transport vehicles with tarpaulin, avenue plantation, etc.
- ❖ **Water:** Effluents generated from the workshop building will be treated in ETP with oil and grease trap of 60 KLD capacity. The treated water will be reused within the workshop. Domestic effluent will be treated in Sewage treatment plant with 60KLD capacity is proposed to be installed for treatment of domestic waste water. The treated water will be used for greenbelt and plantation. Rainwater runoff from waste dump and coal stock will be collected through surface runoff management structures such as 6550m of garland drain, 4700m of retaining wall, check dam etc. Dumps will be stabilized by means of plantation of native species with geo textile matting.
  - a) **Surface Water:** To analyse change in hydraulic pattern of Khora nala east under existing as well as diverted conditions, a detailed study was carried out through "Think Innovative Solutions, Ranchi". The conducted study suggests that diversion of both nalas seems technically feasible as the desired cross section and flow can be maintained even after diversion. Besides, to ensure the surface water quality various measures are planned such as construction of retaining wall, peripheral garland drain, settling ponds, embankment between the mine pit and the nala on either side, check dam / check weirs at vulnerable places, etc., letting

*[Signature]*

*[Signature]*

*[Signature]*



out supernatant clearwater from mine sump conforming discharge limits into Khora Nala for gainful use by downstream users.

- b) **Ground Water:** Think Innovative Solutions, Ranchi carried out a detailed Hydrological study. Water level monitoring was carried out in 19 locations and it is seen that the water level in the pre monsoon is ranging from 1.5 – 10.4m BGL and the post monsoon water level ranges from 2.35 – 9.8m BGL. Two VES have been conducted within the mining lease area. There are 5 (five) different layers i.e., top soil, clay/weathered and fractured formation. Pumping test was conducted on the bore well-constructed in the mine periphery with the aquifer thickness of 7 meters. The hydraulic conductivity (k) calculated is 0.984 meter /day and transmissivity is 6.89 m<sup>2</sup>/day. Due to the low permeability of the aquifer units, the impact of pumping on local water regime will be minimal and the radius of influence will be limited.
- c) **Rainwater Harvesting:** In the 5 years, maximum of 17,32,701.30cum of total rainfall runoff will be generated in year 5. Rainwater harvesting by means of artificial recharge and rainwater storage structures is proposed in order to effectively utilize the above mentioned quantum of rainfall.

- ❖ **Noise:** The main sources of noise are drilling, excavation, dumpers, dozers, etc. Various control measures such as acoustic enclosures, avenue plantation, providing PPEs to workers, plantation around CHPs, proper maintenance of equipments.
- ❖ **Vibrations:** Mining activity in the adjacent Pakribarwadih West quarry is in place for the last 5 years. The Rock Excavation Engineering Division of CSIR-CIMFR, Dhanbad carried out field investigations at the Pakribarwadih West quarry. During this period, ten trial blasts were conducted at various locations of the mine. For controlled blasting operations using SME explosive within the blasting zone of 100 -150 m, blasthole diameter of 100-115 mm have been suggested to contain ground vibration within the safe level. However, for controlled blasting beyond 150 m from the residential houses, 160 mm blasthole diameter have been recommended.
- ❖ **Biological Environment:** Schedule-I species are Elephant, Indian Pangolin, Sloth Bear, Python, Indian Flapshell Turtle, White-Rumped Vulture, Indian Vulture, Indian Peafowl based on the letter obtained from DFO vide Lr.No.122 dated 27.03.2023. Site specific conservation plan has been approved by PCCF Wildlife & Chief Wildlife Warden, Jharkhand vide Office Order No.32 dated 03.08.2023. Rs 45.31 Crores has been allocated for a period of 10 years for implementation of various activities under Site Specific Wildlife Conservation Plan.
- ❖ **Green Belt Development:** Consultation with State forest department and State soil conservation department shall be made to select the species required for green belt / vegetation cover development. Species commonly found in Sal forest should be planted along the rows of sal saplings. Species serving the role of commercially valuable timber,

AA

8  
y

1



NTPC and nurse trees/wildlife trees which attract wildlife, nitrogen fixation are considered to achieve the multiple uses. With regards to greenbelt and plantation, it is proposed to carry out plantation inside the lease area, avenue plantation and also outside wherein a total of about 5,37,650 trees will be planted through the life of the mine with a total budget of Rs. 1075.30 Lakhs.

- ❖ **Dump stabilization:** Proper levelling, grading, spreading of top soil in the inactive dump slopes, geotextiling, coir matting for dump slope stabilization. Plantation of hardwood species and other leguminous trees and shrubs, and hardwood species that can tolerate a wide range of acidity, fertility, moisture, and temperature will be established. The tree species that are best-suited to the soil properties and landscape conditions shall be planted on the site. Species of trees, shrubs, herbs, grasses with multiple use value like fuel, fodder, fruit, medicine will be used during the process of ecological restoration.

- ❖ **Socio Economy:**

Comprehensive need-based assessment was carried out by Asia Institute of Sustainable Development wherein the needs of the villagers were assessed. Based on the need requirement captured through FGDs, a CSR perspective Plan has been prepared for duration of 5 years. An amount of Rs.1.5 Crores has been allocated towards the implementation of the needs assessed.

- ❖ **Rehabilitation & Resettlement:**

Need Assessment study for villages around the quarry was conducted by the Asia Institute for Sustainable Development, Ranchi. 18 project affected area in this project of which 8 core villages falling within the lease area are directly affected by the PB NW Project namely Bariatu, Basaria, Beltu, Jabra, Kandaber, Nawadih, Sirma and Urub. 791 PAFs (Project Affected Families) in the 8 villages, who are losing land, or both land and home (204- Home oustees alone). Out of the 8 villages, Basaria, Nawadih and Sirma villages will be rehabilitated in PB North West Quarry. For the Pakri Barwadih North West Block, 485.159Ha of land from 8 project affected villages, (113.557Ha Tenancy Land) namely Basaria, Bariyartu, Beltu, Kandaber, Nawadih, Sirma, Jabra and Urub, has been notified by the Govt. and compensation disbursement is under progress. NTPC shall ensure all payments towards land compensation, R&R benefits and other benefits are being made as per State Government resolution.

The above measures will be implemented by the Environmental Management Group of the proponent. The total capital cost of environmental control measures works out to Rs.30.75 Crores and recurring cost works out Rs.1.43 Crores per annum (which is inclusive of public hearing action plan budget).

Public hearing for this project was conducted on 11.11.2022 under the chairmanship of representative of Dy. Commissioner, Hazaribag (District Land Acquisition Officer, Hazaribagh). About 1145 people participated in the public hearing and 23 people expressed their views during





the meeting. Public had expressed their concerns about compensation, employment, education, health facilities, pollution due to mining operations, training to locals, etc.

❖ **Risk & Hazard Mitigation:**

NTPC is committed to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification of workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community.

Mining and allied activities will be carried out in conformation with the prevailing statutory provisions as per Mines Act 1952 and CMR 1957 applicable for safety in opencast mines, DGMS Circular 03 of 2019 on Risk Management plan, all statutory rules, regulations, applicable laws etc, rules imposed by local/State/Central authorities if any. Factors of risks involved due to human induced activities in connection with mining & allied Operations are Failure of Slope of mine benches and dumps, Operation of main mining & other equipments, Drilling, Storage & handling of explosives and Blasting. Other risk factors due to natural activities are Fire due to electricity and Oil, Flooding of mine/Mine Inundation and Natural calamities. Elaborate procedures and SOP's will be made and followed to mitigate the risks involved in the mining activity.

The description given above on predictions of anticipated impacts and various mitigative measures for each environmental parameter brings out the fact that systematic and scientific mining of coal with proper and timely execution of various environment management measures suggested in the report will ensure maintenance of future environmental quality within statutory limits. The impacts due to project will be suitably compensated by the liberal packages of rehabilitation and resettlement plan for the home and land oustees. By judicious implementation of the well laid Environmental Management System (EMS) as given in the report, it will be possible to achieve an environmentally sustainable industrial growth.

**During the presentation the following documents were sought :**

- i. Details regarding forest clearance, compensatory afforestation, NOC for ground water withdrawal, status of wildlife conservation plan, EMP cost.
- ii. Time bound action plan alongwith budget to address the issues raised during public hearing.
- iii. Budgets involved in the EC application of this project.
- iv. Details of utilization of excess water from the mine pit.
- v. Management of safety zone, surface water quality, energy conservation.
- vi. Undertaking regarding the diversion of Khora Nallah.

AA

B  
y

L

**The Project Authorities have submitted the above mentioned documents.**

State Level Environment Level Impact Assessment Authority (SEIAA), Jharkhand in its 109<sup>th</sup> meeting held on 27<sup>th</sup> & 28<sup>th</sup> September, 2023 discussed the project proposal along with recommendations made by SEAC in its 108<sup>th</sup> meeting held on 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup>, 24<sup>th</sup> and 25<sup>th</sup> September, 2023 and decided to grant EC to the project

On the basis of recommendation of SEAC and decision of SEIAA to grant of EC, Environmental Clearance is hereby issued to the **"North-West Quarry of Pakri Barwadih Opencast Coal Mine of M/s NTPC Limited at Village : Bariatu, Basaria, Beltu, Jabra, Kandaber, Nawadih, Sirma & Urub, Tehsil : Keredari and Barkagaon, Distt. : Hazaribagh, Jharkhand (485.159 Ha)"** alongwith the following specific conditions as recommended by SEAC:-

**I. Specific Conditions:**

- i. This Environmental Clearance is valid subject to the following condition below –  
That this project has-
  - a. Obtained all legal rights to operate at concerned place.
  - b. Complied with all existing concerned laws of the land and
  - c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.
- ii. **The Project Authorities shall take all necessary measures to ensure that the quality of the Khora Nallah water is not affected due to the mining activities.**
- iii. Project Proponent will ensure that a safety barrier of 45 m on both side of the road passing within ML area will be maintained and no mining activity will be carried out in the safety barrier. After getting the permission for diversion of road from the competent authority, the copy of the permission for diversion shall be submitted to SEIAA/SEAC, Jharkhand alongwith the 06 monthly compliance report.
- iv. Mining activities in the safety barrier can be undertaken after diversion of the road is fully implemented and said land must be included in approved Mine Plan for the mining purposes.
- v. The Project Authorities must ensure Offset of conventional energy requirement of not less than 2% by installation of solar panel. Overall conservation of not less than 20% is to be ensured by use of efficient energy measures.
- vi. No mining/activity shall be undertaken in the forest land or deemed forest without obtaining requisite prior forestry clearance.
- vii. This Environmental Clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, MoEF & CC and any other Court of Law, if any, as may be applicable to this project.

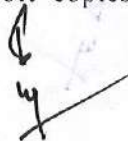




- viii. Environmental clearance is subject to obtaining prior clearance from forestry and Wildlife angle including clearance from standing committee of NBWL, as may be applicable to this project (in case any fauna occurs / is found in the Project area or if the area involves forest land or Wildlife habitat i.e. core zone of elephant/tiger reserve etc. and or located within 10 km. of protected area).
- ix. The project proponent may apply simultaneously for forest and NBWL clearance, in order to complete the formalities without undue delay, which till process on their respective merits, no rights will vest in or accrue to them unless all clearance are obtained.

## II. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. 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. The 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).
- iv. In the writ petition (Civil) no. 202/1995, T.N. Godaverman Thirumulpad vs union of India and ors. the Hon'ble Supreme Court passed an order dated 03.06.2022 " National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09th February, 2011 shall be strictly adhered to".
- v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- vi. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- vii. Solid waste/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016 as amended from time to time.
- viii. It shall be mandatory for the project management to submit six (06) monthly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard copies and soft copies to the regulatory authority concerned





Regional Office of MoEF & CC at Ranchi and Jharkhand State Pollution Control Board (J.S.P.C.B.), Ranchi/SEIAA/CPCB.

- ix. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- x. The SEIAA, Jharkhand or any other competent Authority may alter modify the above conditions or stipulate any further condition in the interest of Environment Protection.

### III. Air quality monitoring and preservation:

- i. Continuous ambient air quality monitoring stations as prescribed in the statute 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.
- ii. 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 25.9.2000 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.
- iii. Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water / mist sprinkling / rain gun etc shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as haul 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.
- iv. 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 'bypass' road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.
- v. 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.









- vi. 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 cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.
- vii. 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.

#### **IV. Water quality monitoring and preservation:**

- i. 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 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
- ii. 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-20012/1/2006-1A.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
- iii. 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, monsoon, 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.
- iv. Monitoring of water quality upstream and downstream of water bodies 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.
- v. Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.
- vi. Catch and or garland drains and siltation 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 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 monsoon 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 rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation/water bodies.

- vii. 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).
- viii. 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.
- ix. 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.
- x. 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.
- xi. The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A reverian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.

#### **V. Noise and Vibration monitoring and prevention**

- i. Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling 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 users to be conducted. Progress in usage of such accessories to be monitored.
- ii. 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.
- iii. 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.

AA

4

1



## **VI. Mining Plan:**

- i. Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
- ii. 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).
- iii. No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980
- iv. Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

## **VII. Land Reclamation:**

- i. 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 (MOEF&CC) from time to time shall be submitted to MOEFCC/Regional Office (RO).
- ii. The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. 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. Further action will be treated as specified in the guidelines for Preparation of Mine Closure Plan issued by the Ministry of Coal dated 27<sup>th</sup> August, 2009 and subsequent amendments.
- iii. 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.
- iv. Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3<sup>rd</sup> November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.
- v. 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 kept unutilized. The top soil shall be used for land reclamation and plantation purposes.







Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps 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 rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.

- vi. 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 livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

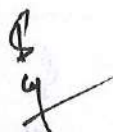
#### **VIII. Green Belt:**

- i. The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/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.
- ii. 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 species should be given priority) shall be developed all along the major approach/ coal transportation roads..

#### **IX. Public hearing and Human health issues:**

- i. 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.
- ii. 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 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.
- iii. 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.
- iv. 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 norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.

- v. 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.

#### **X. Corporate Environment Responsibility:**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1<sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved 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 shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. 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 organization.
- iv. 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 earmarked 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 Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

#### **XI. Miscellaneous:**

- i. 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 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.

MAJ

4

L

- 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 has to display the same for 30 days from the date of receipt.
- iii. 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.
- iv. The project proponent shall monitor the criteria pollutants level namely;  $PM_{10}$ ,  $SO_2$ ,  $NO_x$  (ambient levels as well as stack emissions) 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.
- v. 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.
- vi. 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.
- vii. The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. 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.
- xi. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii. 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.
- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

AG

B  
g

L

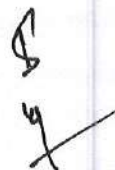


- xv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvi. The above conditions shall be enforced, 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, Hazardous 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 Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii. Any appeal against this Environmental 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.
- xviii. The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF & CC, Govt. of India.

  
Member Secretary

State Level Environment Impact  
Assessment Authority, Jharkhand.





- xv. 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.
- xvi. 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, Hazardous 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 Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvii. Any appeal against this Environmental 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.
- xviii. The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF & CC, Govt. of India.

Sd/-  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand.

Memo No : EC/SEIAA/2023-24/2916/2023/ 309

Ranchi, Date : 06/10/2023

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District - Hazaribagh, Jharkhand.
3. Divisional Forest Officer, Hazaribagh West Forest Division, Hazaribagh, Jharkhand.
4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi - 110003.
6. Integrated Regional Office, Ranchi, Ministry of Environment, Forest and Climate Change, 2<sup>nd</sup> Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand - 834002.
7. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
8. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
9. Website.
10. Guard file.

Member Secretary  
State Level Environment Impact  
Assessment Authority, Jharkhand.  
**Signature Not Verified**  
Digitally signed by Shri Ashok  
Kumar, IFS  
Member Secretary  
Date: 10/11/2023 5:49:56 PM  
EC - 11/10/2023





Ref. No. NTPC/PB-NW/2024/ 306

Date: 19.10.2024

## UNDERTAKING

(No labour camp shall be established on the forest land)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company 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."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag



Ref. No. NTPC/PB-NW/2024/307

Date: 19.10.2024

## UNDERTAKING

*(layout plan of the mining plan/ proposal shall not be changed without the prior approval of the Central Government)*

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company 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."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]  
Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**  
उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)  
एनटीपीसी लिमिटेड / NTPC Limited  
कोयला खनन परियोजनाएं / COAL MINING PROJECTS  
हजारीबाग / Hazaribag

Ref. No. NTPC/PB-NW/2024/308

Date: 19.10.2024

## UNDERTAKING

(The diverted forest land shall not be transferred to any other agency)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"The forest land proposed to be diverted shall not be transferred to any other agency, department or person without prior approval of the Central Government.*

For NTPC Ltd.

*Navin Kumar*

[Navin kumar]

Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP  
NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag



Ref. No. NTPC/PB-NW/2024/309

Date: 19.10.2024

## UNDERTAKING

(Protection of Flora and Fauna)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"No damage to the flora and fauna of the adjoining area shall be caused."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]

Dy. GM (Env. Mgmt.)

PB & PB-NW CMP

NTPC Ltd.- Hazaribag

नवीन कुमार / NAVIN KUMAR

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag

## UNDERTAKING

(Annual Self-compliance Report)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"NTPC shall ensure that the annual self-compliance is submitted to the State Government, Regional Office and MoEF&CC.."*

For NTPC Ltd.

[Navin kumar]

Dy. GM (Env. Mgmt.)

PB & PB-NW CMP

NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag



## UNDERTAKING

(Conservation, protection and development of forests & wildlife.)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"NTPC shall abide by any other condition that the concerned Regional Office of MoEF&CC may stipulate with the approval of competent authority in the interest of conservation, protection and development of forests & wildlife.."*

For NTPC Ltd.

*Navin Kumar*  
[Navin kumar]

Dy. GM (Env. Mgmt.)

PB & PB-NW CMP

NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag


## UNDERTAKING

(Compliance to provisions of all Acts, Rules, Regulations, Guidelines.)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company that

*"NTPC shall comply with the provisions of 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."*

For NTPC Ltd.

  
[Navin kumar]

Dy. GM (Env. Mgmt.)  
PB & PB-NW CMP

NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag



Ref. No. NTPC/PB-NW/2024/ 313

Date: 19.10.2024

## UNDERTAKING

(violation of Forest (Conservation) Act, 1980)

I, Shri Navin Kumar, Dy. General Manager (Env. Mgmt.) PB & PB-NW CMP, by virtue of powers delegated to me by NTPC Limited, New Delhi, do hereby affirm on behalf of the company 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."*

For NTPC Ltd.

*Navin K*

[Navin kumar]

Dy. GM (Env. Mgmt.)

PB & PB-NW CMP

NTPC Ltd.- Hazaribag

**नवीन कुमार / NAVIN KUMAR**

उप महाप्रबंधक (पर्यावरण प्रबंधन) / DGM (ENV. MGMT.)

एनटीपीसी लिमिटेड / NTPC Limited

कोयला खनन परियोजनाएं / COAL MINING PROJECTS

हजारीबाग / Hazaribag