

Submission of EDS Compliances w.r.t PCCF(Nodal) Vide letter no 499 dated 19.06.2025

Sr. No.	EDS Compliances raised by MOEF & CC on 30.09.2024	Observation of DFO, Latehar	Observation by PCCF(Nodal)	Submission by User Agency (M/s PVUNL)
1.	<u>EDS SLNo- 09</u> The user agency in their justification reported that in the initial phase, 727.24 Ha shall be utilised for Mining, 12.24 Ha shall be topsoil preservation, 7.85 Ha for safety zone, 10.21 Ha for Haulage Road in mining, 5.58 Ha for road diversion, 35.7 Ha for Mine end infra, 7.58 Ha for garland drain and 219.68 shall be undisturbed considering the presence of coal in Underground mining method. The balance coal bearing area of 440 Ha shall be utilised for extraction of coal in the second phase as per the condition mentioned in the approved mining plan, presently	The justification submitted by user agency exclaims the adequate coal reserve and the project is site specific as per the GSI report, but UA has not submitted the details of exploration report on the private area i.e. non forest area as well as forest area during processing the proposal no FP/JH/SRY/450505/2023 few queries have been raised by IRO on 19.09.2025. U.A has not submitted reply till date. In the absence of exploration data, it is difficult to ascertain site specificity of a forest land for diversion	इस पृच्छा के संबंध में प्रयोक्ता अभिकरण से प्रतिवेदन प्राप्त कर अग्रेतर कार्रवाई की जाय।	As per the regionally explored data of GSI report (copy enclosed as Flag-A), it proves there is a significant coal reserve in the temporary OB dump area of 440 Ha within the Mining Lease area of 1467.42 Ha, which ascertains the site specificity. However, the detailed exploration is essentially required before the commencement of mining operation as per the conditions imposed by Ministry of Coal in the approved mining plan to prepare a mining scheme for the second phase of Mining in the OB dump area. Considering the condition of approved Mining Plan separate application (Form-C) for detailed exploration in Forest area of 0.637 Ha submitted in PARIVESH Portal 2.0 to prepare mining scheme in the second phase of mining. Further, the proposal for exploration (Form-C) was recommended by DFO and subsequently recommended by PCCF(Nodal). However, during final approval at region office MOEF & CC, EDS has been sought by IRO on 19.09.2025 w.r.t the proposal no FP/JH/SRY/450505/2023, and the above EDS compliance have been submitted by user agency on 25.06.2025 for kind approval. <u>Regarding Coal Reserve Estimation/Assessment in the 1467.42 ha of mining lease area of approved Mining Plan:</u>

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	earmarked for temporary OB dump, which shall be re-handled before commencement of mining in this area. However, the minable reserve in the 440 Ha land has not been given. Further, the status of land (forest & Non-forest land) involved in the first phase of mining comprising 727.24 ha land needs submission along with supporting maps, kml etc.			Coal reserve has been estimated in the approved Mine plan by Ministry of Coal. Gross Geological Reserves up to a depth of 1200 meter is 1372.21 Million Tonnes. Gross Geological Reserves up to 300 meter depth is 446.18 Million tonnes. As per the inputs of Geological Report, the Net Geological Reserves up to a depth of 1200 meter is 1234.98 Million Tonnes & Net Geological Reserves upto 300 meter depth is 401.56 Million tonnes. Considering the proved reserve of coal as per Geological report and GSI report, the total coal reserve is estimated as 561.56 million tonne (Approximately) as Geological Reserve and 378 Million Tonne as Mineable reserve out of which 350.50 Million Tonnes (Approximately) shall be extracted. The above coal reserve estimation has been calculated based on the extrapolation of the coal seams as per GSI report and Geological report. It is also envisaged that after detailed exploration, the coal reserve may be on the higher side. Accordingly, in the initial phase Mineable reserve is 270.81 million Tons (Mineable reserve estimated for the quarriable sector up to a depth range of 300 meter only) with 250.5 Million Tonnes extractable in the first phase and the balance of 100 Million tonnes(approximately) shall be extracted in the second phase of mining in the OB dump area of 440 Ha. It is also imperative to mention here in the total mining lease area of 1467.42 ha, the proposed forest diversion area of 515.32 Ha including Notified Forest and GMJJ (deemed forest land) contains approximately 110
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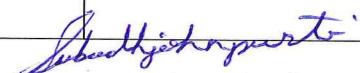
				Million tonnes of coal is present beneath the forest area and in the initial phase of mining, where the extraction of 250 Million tonne of coal is envisaged, it has 60 million tonnes of Coal Reserve beneath the Forest area. Further, during the second phase of mining in the OB dump area it is also envisaged that additional 100 million of coal extraction only 80 million tonnes of coal beneath the forest area considering the mining loss in barrier, batter and safety zone. However, considering the mining methodology in the second phase total envisaged 100 million tonnes of coal shall not be possible to be extracted without diversion of proposed forest area. It is further concluded that around 160 Million tonnes of coal (60 Million Tonnes in 1st Phase & 100 Million tonnes of coal in 2nd phase of mining) shall be completely lost if the proposed forest diversion over 515.32 Ha is not being granted. Hence diversion of 515.32 Ha is highly essential. In view of the above analysis, it is evident to mention here that elimination of any forest patch of coal bearing area of 1467.42 Ha directs to a loss of 160 million tonne of Mineable reserve(approximately). Thus, excavation of coal from all part of the project area of 1467.42 Ha. is very much essential and the proposed forest area may not be eliminated. In addition to above, If the coal reserve under the above forest area is left out, mining is not feasible only in non-forest land also the project shall be unviable considering the coal requirement for the captive power plant where
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				there is sustainable coal supply of 12 million Tonne is highly essential to make the PVUNL power plant functional. Furthermore, it also leads to a loss of national wealth to a great extent.
02	<u>EDS SLNo- 14</u> A map along with KML file's showing the component wise/purpose wise utilisation of the proposed forest land, including the components proposed to be undertaken on the Non-forest land shall be uploaded on PARIVESH.	Submitted by the user agency but the KML file does not match with the proposed land use map.	इस पृच्छा के संबंध में प्रयोक्ता अभिरक्षण से प्रस्तावित वनभूमि का झंडर प्राप्त कर अग्रेतर कार्रवाई की जाय।	The component wise breakup showing the component wise/purpose wise utilisation of the proposed forest land, including the components is enclosed in Appendix-3 . However, the PDF version is enclosed in the PARIVESH Portal 1.0 due to no option for additional KML upload, which is enclosed in CD as Appendix-3 .
03	<u>EDS SLNo- 17</u> As per DSS analysis Shape file/ KML file of forest land proposed for diversion is found 503.568 Ha (software calculated) instead of 515.32 ha as per the online proposal. Therefore, correct KML file of the proposed forest land shall be uploaded/updated.	User agency has submitted modified KML file but as per the modified KML file the total area is coming out more than 515.32 Ha and also village wise forest and JJ land area doesn't match with land schedule submitted by U.A. for diversion.	वन प्रमण्डल पदाधिकारी, लातेहार वन प्रमण्डल के प्रतिवेदन से यह स्पष्ट नहीं हो रहा है, कि प्रयोक्ता अभिरक्षण द्वारा समर्पित झंडर थपसम से कितना ज्यादा रकबा का झंडर समर्पित किया	Corrected KML maps have been uploaded in the portal Parivesh 1.0 and also enclosed in CD as Appendix-4 .


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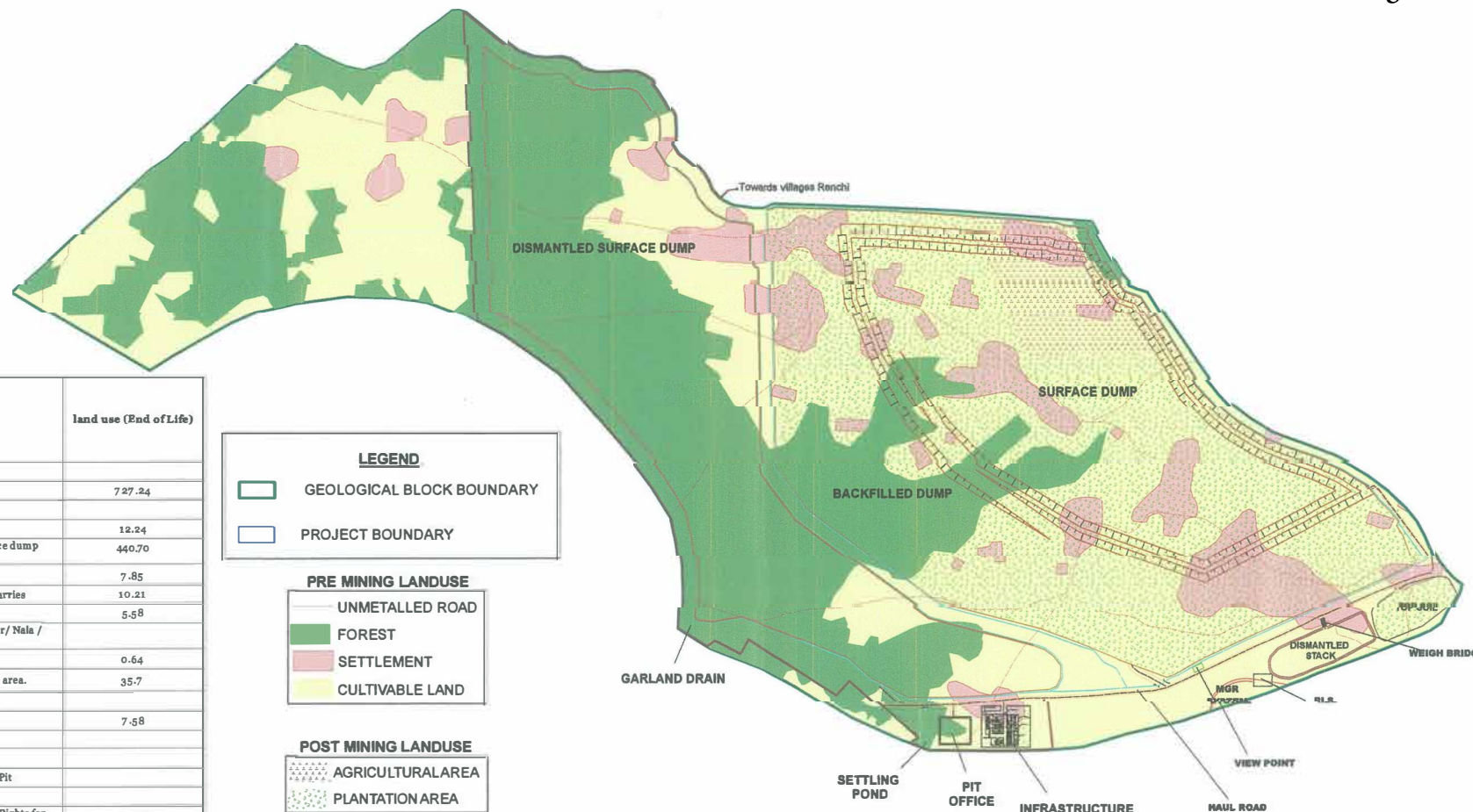
			गया है, जबकि प्रयोक्ता अभिकरण से इसका पूर्ण निराकरण कराकर इस कार्यालय को भेजा जाना अपेक्षित था। इस तरह की अधूरी सूचना/प्रतिवेदन भेजने का औचित्य वन प्रमण्डल पदाधिकारी, लातेहार वन प्रमण्डल समर्पित करेंगे तथा इस पर आप अपना मंतव्य सहित भेजेगें।	
04	<u>EDS SLNo- 21</u> The land use details at the end of mine life as per the approved mining shall be submitted/uploaded	User Agency has not submitted proper land details at the end of mine life as per the approved Mining Plan.	इस पृच्छा के निराकरण में प्रयोक्ता अभिकरण से इसका पूर्ण निराकरण कराकर वन प्रमण्डल पदाधिकारी,	As desired, the post mining land use plan as per the approved Mining Plan along with land details are enclosed as Flag-B.


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			लातेहार वन प्रमण्डल द्वारा अग्रसारित किया जाना चाहिये था। परन्तु इस तरह की अधूरी सूचना/प्रतिवेदन भेजने का औचित्य वन प्रमण्डल पदाधिकारी, लातेहार वन प्रमण्डल समर्पित करेंगे	
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Flag-B



Type	land use (End of Life)
Excavation Area	
Backfilled Area	727.24
Excavated Void	
Top Soil Dump.	12.24
External Dump /surface dump (Tem for str)	440.70
Safety Zone	7.85
Haul road between quarries	10.21
Road Diversion.	5.58
Diversion/ Below River/ Nala / Canal.	
Settling Pond	0.64
Road & Infra structure area.	35.7
Rationalisation Area.	
Garland Drains.	7.58
Embankment	
Green Belt.	
Water Reservoir Near Pit	
UG Entry.	
Undisturbed / Mining Rights for UG.	219.68
Resettlement	
Pit Head Power Plant	
Water Harvesting	
Agricultural Land	
Total	1467.42

LEGEND	
	GEOLOGICAL BLOCK BOUNDARY
	PROJECT BOUNDARY

PRE MINING LANDUSE	
	UNMETALLED ROAD
	FOREST
	SETTLEMENT
	CULTIVABLE LAND

POST MINING LANDUSE	
	AGRICULTURAL AREA
	PLANTATION AREA

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Biologically Reclaimed Area (ha) - Cumulative					Forest Land (Return)		Undisturbed / To be left for Public/ Community Use	Total
Agriculture	Plantation	Water Body	Public/ Company Use	Total	Utilised	Undisturbed		
74.90	574.66	0.00	135.00	784.56	463.18	54.77	164.91	1467.42

Shanta Guha
श्रीमती शान्ता गुहा / Smt. Shanta Guha
 उप सहायक कोयला नियंत्रक / Dy. Asstr. Coal Controller
 भारत सरकार / Govt. of India
 कोयला नियंत्रक कार्यालय / O/o. The Coal Controller
 1, काउन्सिल हाउस स्ट्रीट / 1, Council House Street
 कोलकाता-700 001 / Kolkata- 700 001

PATRATU VIDYUT UTPADAN NIGAM LIMITED A Subsidiary of NTPC Ltd. in JV with JBVNL JOB TITLE: MINING PLAN AND MINE CLOSURE PLAN FOR BANHARDIH COAL MINE AURANGA COALFIELD, BLOCK-CHANDWA, DISTRICT-LATEHAR, JHARKHAND, INDIA SUBJECT: POST MINING LANDUSE PLAN			
PREPARED BY- UNITED EXPLORATION INDIA PVT LTD. BLOCK 2A, 5TH FLOOR, ECOSPACE BUSINESS PARK, NEWTOWN, WEST BENGAL, 700158	PREPARED BY Sri A.K.SINHA QP	SIGNATURE	DATE
RF:- 1:10000			

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PLATE XXB