## Compliance of Environmental Clearance conditions in respect of Murpar UG Project of WCL as on 31/03/2024

Ref: MOEF Environment Clearance Letter No. J-11015/25/2001-IA. II (M) dated 23/01/2018 and Amendment in EC vide Letter no: J-11015/25/2001-IA.II (M) dated 17.07.2018

## A. Specific Conditions:

S.No	<b>Compliance Condition</b>	Status
i.	Transportation of coal from face to	Complied. Environmental Clearance was secured from MoEF& CC vide its letter no. J-11015/25/2001-1A. II (M) dated 23/01/2018 for capacity of 0.28 MTPA and Amendment in EC vide Letter no: J-11015/25/2001-IA.II(M) dated 17.07.2018 (Copy enclosed as Annexure: I).  Consent to Establish was obtained from the Maharashtra Pollution Control Board for the enhanced capacity of 0.28 MTPA vide consent no. BO/ JD (APC)/ TB-2/UAN No-38469/R/CC-1901002000 dtd. 28.01.2019 (Copy of CTE and Minutes of 6th CC meeting enclosed as Annexure-II).  Consent to Operate for the same was obtained from MPCB vide letter no BO/ JD (APC)/ TB-2UAN No-38469/ R/ CC1901001995 dated 28/01/2019 and consent was renewed on 22/07/2022 vide letter No. Format1.0/APAE Section/ UAN No.0000124453/ CO/2207001172 which is valid up to 31/12/2024. (Copy enclosed as Annexure: III).  Not applicable.
11.	surface shall be carried out through conveyor belt and then to TPP through tarpaulin covered trucks by road/rail.	Production has been discontinued from 17/08/2022 since mine comes under the eco sensitive zone of Tadoba Andhari Tiger Reserve and notice of closure has been submitted to DGMS.
iii.	Sufficient coal pillars shall be left un- extracted around the air shaft (within the subsidence influence area) to	Not applicable.  As per gazette notification No: 2973 dated

	protect from any damage from subsidence, if any.	11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
iv.	Solid barrier shall be left below the roads falling within the block to avoid any damage to the roads and no depillaring operation shall be carried out.	Not applicable. As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
V.	Depression due to subsidence resulting in water accumulating within the low laying areas shall be filled up or drained out by cutting drains	Not applicable. As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
vi.	Regular monitoring of subsidence movement on the surface over and around the working area and impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings should be continued till movement cases completely. In case of observation of any high rate of subsidence movement, appropriate effective corrective measures should be taken to avoid loss of life and materials. Cracks should be effectively plugged with ballast and clay soil/suitable materials.	Not applicable.  As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
vii.	Garland surface drains (size, gradient and length) around the safety areas such as mine shaft and low laying areas and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rain fall and maximum discharge in the area adjoining the mine sites. Sump capacity should also provide adequate retention period to allow proper setting of silt material. Sufficient number of pumps of adequate capacity shall be deployed to pump out mine	As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and dewatering also discontinued.

	water during peak rain fall.				
iii.	The company shall obtain approval of	Complied.			
	CGWA for use of groundwater for mining operations, if applicable	NOC from CG abstracting / dewa No. CGWA/ NO which was valid Enclosed as Anne	ntering of Grou OC/ MIN/ OR d up to 14/	and Water (NOC AIG/2022/14563)	
ix.	Mitigative measures to be undertaken to control dust and other fugitive				
	emissions all along the roads by providing sufficient numbers of water sprinklers.	As per gazette notification No: 2973			
X.	Continues monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	For surveillance of occupational health amor			
		Details of IME/F years is given belo		last 8 working	
		*7	IME	C/PME	
		Year	Target	Achieved	
		2015	112	145	
		2016	120	128	
		2017	145	164	
		2018	150	170	
		2019	108	114	
		2020	146	66	
	1	2021	1.40	1 - 1	
		2021	148 94	154 103	

## **B. General Conditions:**

Sl.No	Compliance Condition	Status
(a)	Mining	
i.	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there– under as applicable	Agreed.
ii.	No change in mining method i.e UG to OC, Calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Not applicable. As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
iii.	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).	Agreed. As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
iv.	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standard.	Not applicable. As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
V.	No mining activity shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian forest act, 1927.	Complied.  FC has been obtained for 680.78 ha of forest land vide F.no.8-35/2000-FC dated 01/06/2001. Total 248 ha of forest land is involved in existing Murpar UG mine. At present, Mine has been discontinued and notice of closure has been submitted to DGMS.
(b)	Land Management and Water C	onservation
i.	Digital survey of the 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 shall be submitted	Complied.  Digital mapping of the entire coalfield based on satellite data is being done regularly once in 3 years and the same is submitted Ministry of Environment, Forest and Climate Change on regular basis.  Report on Land Use/ Vegetation cover mapping of Bandar

	to Ministry of Environment, Forest and Climate Change/ Regional Office (RO).	Coalfield based on Satellite data is enclosed as annexure and same is uploaded on Company's website.  Copy enclosed as Annexure-VI.
ii.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/ rivulet/ pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI 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.	Complied.  All provision regarding inrush of surface water stipulated in Coal Mines Regulations 2017 were complied during the operation of mine.
iii.	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparations of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	Agreed.  The land after mining will be reclaimed as per the Mine Closure Plan.  Mine Closure Plan was approved by the WCL Board on 10/11/2017 and an Escrow account have been opened with A/c no. 08973161002614 at the Oriental Bank of Commerce, Jaripataka Branch, Nagpur. The total corpus amounts available in the account as on 31/03/2024 is Rs. 9,64,44,818.17 (Including Principal and interest).
iv.	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads, and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be	Not applicable.  As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.

V.	taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.  A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continues monitoring & implementation of	As U(	G mine come: ndhari Tiger F	otification No: 2 s within the ec Reserve. Mine	co sensitive has been d	zone of Tado iscontinued from	oba om
vi.	mitigation measures be carried out.  Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent in	No As UC	GMS.  ot applicable.  s per gazette no G mine comes	notice of close obtification No. 2 s within the excessive. Mine	973 dated 1 co sensitive	1/09/2019 Murp zone of Tado	par oba
vii.	rush of water in the mine.  Native tree species be selected and planted over areas affected by subsidence.	17 D0		notice of clos			
(c)	Emissions, Effluents, and Waste	Dis	nosal				
i.							=
1.	Transporting of coal, to the extent permitted by road, shall be carried out by covered trucks/ conveyors. Effective control measures such as regular water sprinkling/ rain gun/ mist sprinkling etc. shall be carried	Promi	ine comes und	been disconting er the eco sensi and notice of cl	tive zone of	f Tadoba Andh	ari
	out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be	However, Monitoring is being carried out at four nos. of ambient air quality monitoring stations. Considering meteorological data, Topographical features and environmentally and ecologically sensitive targets which are as follows:  • Near Pit Office				ing and	
	controlled regularly. It shall be ensured that the ambient air		<ul><li>Colony</li><li>Murpar '</li></ul>	Village			
	quality parameters conform to the norms prescribed by the Central/ State Pollution Control Board.	Maximum and minimum concentration of parameters (SPM,				ntal	
			Parameters	Permissible limit	(24 hour	entration ly values in g/m³)	
					Min	Max	
			SPM	600	228	310	

			$PM_{10}$	300	128	201
			F1V110	100	72	82
			DM.	-	32	48
			PM <sub>2.5</sub>	60	22	32
			NO	120	11	15
			$NO_x$	80	06	08
			90	120	BDL	13
			$SO_x$	80	F	BDL
		to A	rried out fortni MoEF & CC. nnexure-VII.	ightly basis & re	eports are su	the mine area is abmitted regularly port is enclosed as
ii.	Major approach roads shall be black topped and properly maintained.					nsportation roads
iii.	Greenbelt, consisting of three-tier plantation, of width not less than 7.5m, shall be developed all along the mine lease area in a phased manner. The green belt comprising of a mix of native species shall be developed all along the major approach roads/ coal transportation roads.	WCL, Murpar project has deposited Rs. 77,74,068/- on 25.10.2012 for gap plantation and cattle proof trench to Bramhapuri Forest Division.  Tree plantation 61125 Nos. on 75.00 ha. Vacant land				proof trench to ha. Vacant land -35/2000-FC, dt.
iv.	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed and construct a bypass road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.	A: U: A: 17	G mine come ndhari Tiger F	s within the ea Reserve. Mine	co sensitive has been d	1/09/2019 Murpar zone of Tadoba iscontinued from een submitted to

12/000	V-L:1	Net Amelicable
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 centers.	Not Applicable.  Production has been discontinued from 17/08/2022 since mine comes under the eco sensitive zone of Tadoba Andhari Tiger Reserve and notice of closure has been submitted to DGMS.
vi.	Coal stock pile/ coal crusher/ feeder breaker, transfer points shall invariably be provide 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.	Not Applicable.  Production has been discontinued from 17/08/2022 since mine comes under the eco sensitive zone of Tadoba Andhari Tiger Reserve and notice of closure has been submitted to DGMS.
vii.	Coal Handling Plant shall be operated with measures viz. bag filters/ water or mist sprinkling system etc. to control fugitive emissions from crushing operations, conveyor system, transfer points, etc.	Not Applicable.  Production has been discontinued from 17/08/2022 since mine comes under the eco sensitive zone of Tadoba Andhari Tiger Reserve and notice of closure has been submitted to DGMS.
viii.	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any change of mine inundation.	There are no major channels around the project area.
ix.	Garland drains (of suitable size, gradient and length) around the critical areas i.e mine shaft and low lying areas, shall be designed keeping at least 50% safely margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate	Not applicable.  As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.

	The system manned out from the	Not applicable
X.	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.	Not applicable.  As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
xi.	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under Environment (Protection) Act, 1986 and the rules made there under, and as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.	Not Applicable.  Mining operations has been stopped completely from 17/08/2022 and notice of closure has been submitted to DGMS.
xii.	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.	Agreed.  Till date, there has been no impact on ground water level in buffer zone villages.  However the water shortage in the villages (if any) will be supplemented by project authorities
(d)	Illumination, Noise & Vibration	Control
i.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	Not applicable.  As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.
ii.	Adequate measures shall be taken for control of noise levels below 85 dB (A) in the work environment. Workers engaged in underground mining operations, operation of HEMM, etc. shall be provided with personal protective equipments (PPE) like ear plugs/ muffs in conformity with the prescribed norms/ guidelines in this regard.	Not applicable.  As per gazette notification No: 2973 dated 11/09/2019 Murpar UG mine comes within the eco sensitive zone of Tadoba Andhari Tiger Reserve. Mine has been discontinued from 17/08/2022 and notice of closure has been submitted to DGMS.

iii.	Progress in usage of such accessories to be monitored. Adequate awareness programme for users to be conducted.	Complied			
111.	The noise level survey shall be carried out as per prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises and report on the same shall be submitted to this Ministry/ RO on six-monthly basis.	Colony and Near level data are mo (protection) Ame being submitted to Noise level, as p	nitoring station is es Fan House. Day time nitored fortnightly by ndment Rule, 2000. Ro MoEF&CC on six-mo per Environmental mo h 2024) is as follows:	e & night t CMPDIL as Report of the onthly basis	ime noise s per Env. e same is
		Time	Noise Leve	el in dB(A)	
		Time	Permissible Limit	Min	Max
			Fan House		
		Day Time	75	51.80	57.50
		Night Time	70	50.10	52.90
			Colony		
		Day Time	55	41.60	45.40
		Night Time	45	38.90	42.50
(a)	Occupational Health & Safety				
( <b>e</b> )	Occupational Health & Safety  The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars Besides carrying out	examined once in	te/ DGMS guidelines, 3 years till the closure of PME done in last 8 wo	of mine.	
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out	As per the Statut examined once in Details of IME/P	3 years till the closure of ME done in last 8 we	of mine. orking years	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up	As per the Statut examined once in Details of IME/P below:	3 years till the closure of ME done in last 8 words IME Target	of mine.  orking years  /PME  Achieve	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out	As per the Statut examined once in Details of IME/P below:  Year 2015	3 years till the closure of ME done in last 8 words IME Target 112	of mine. orking years /PME Achieve	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be	As per the Statut examined once in Details of IME/P below:  Year  2015 2016	3 years till the closure of ME done in last 8 works Target 112 120	orking years  /PME Achieve 145 128	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check up for	As per the Statut examined once in a Details of IME/P below:  Year  2015 2016 2017	IME Target 112 120 145	orking years  /PME Achieve 145 128 164	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check up for occupational diseases and	As per the Statut examined once in a Details of IME/P below:  Year  2015 2016 2017 2018	### IME done in last 8 were compared in last 8 were co	/PME Achieve 145 128 164 170	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check up for	As per the Statut examined once in the Statut examined onc	IME     IME	/PME Achieve 145 128 164 170 114	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check up for occupational diseases and	As per the Statut examined once in the Statut examined onc	IME	/PME Achieve 145 128 164 170	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check up for occupational diseases and	As per the Statut examined once in the Statut examined onc	IME     IME	/PME Achieve 145 128 164 170 114 66 97	s is given
	The project Proponent shall undertake occupational health survey for initial and periodical medical examination of the workers engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS Circulars. Besides carrying out regular periodic health check-up of their workers, 20% of the workers engaged in active mining operations shall be subjected to health check up for occupational diseases and	As per the Statut examined once in the statut examined onc	IME   Target     112   120   145   150   108   146   148	/PME Achieve 145 128 164 170 114 66 97 103	s is given

training and information on safety and health aspects.

Numbers of dust masks with goggles issued in last 8 working years are given below:

Year	Dust Mask issued	Safety Goggles issued
2022	34	12
2021	27	12
2020	750	06
2019	50	10
2018	150	04
2017	50	10
2016	25	-
2015	40	-

As per statute all personnel working in mines were training for safety and health aspects till the closure of mine.

Number of persons given training in last 8 working years are given below:

(VTR: Vocational Training Rule)

Year	Refresher	VTR- 12	VTR -13	VTR -17	Special Training
2015	83	6	7	10	37
2016	91	8	5	11	10
2017	86	6	5	11	15
2018	85	15	15	6	11
2019	114	8	11	11	35
2020	63	7	6	11	8
2021	78	08	12	18	17
2022	58	09	12	16	07

iii. Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.

## Complied.

Skill training as per safety norms specified by DGMS were given to all workmen to ensure high safety standards in mines till the closure of mine.

Number of persons given training in last 8 working years are given below:

(VTR: Vocational Training Rule)

Year	Refresher Training	VTR -12	VTR- 13	VTR- 17	Special Training
2015	83	6	7	10	37
2016	91	8	5	11	10
2017	86	6	5	11	15
2018	85	15	15	6	11
2019	114	8	11	11	35
2020	63	7	6	11	8
2021	78	08	12	18	17
2022	58	09	12	16	07

iv. Effective arrangement shall be Not Applicable.

Production has been discontinued from 17/08/2022 since made to provide and maintain at suitable points conveniently mine comes under the eco sensitive zone of Tadoba Andhari Tiger Reserve and notice of closure has been submitted to situated, a sufficient supply of drinking water for all the persons DGMS employed. **Ecosystem and Biodiversity conservation** A i. The project proponent shall take Agreed. precautionary measures As per gazette notification No: 2973 dated 11/09/2019 Murpar during mining operation for UG mine comes within the eco sensitive zone of Tadoba conservation and protection of Andhari Tiger Reserve. Mine has been discontinued from endangered flora/fauna, if any, 17/08/2022 and notice of closure has been submitted to spotted/reported in the study DGMS. area. Action plan, in this regard, if any shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Public Hearing, R&R & CSR **(g)** i. Implementation of Action Plan Complied. on the issues raised during the Public Hearing shall be ensured. All the tasks as per the Action Plan submitted during the The Project Proponent shall Public Hearing are complied with. undertake all the tasks as per the Action Plan submitted with 21 Nos. of land oustees have been fully compensated as per budgetary provisions during the the norms laid out R&R Policy of the Company/ or the Public Hearing. National R&R Policy/R&R Policy of the State Government. Land oustees shall No. of Jobs given to 21 persons and Rs. 8,97,043.25 paid to compensated as per the norms land losers. laid out R&R Policy of the Company/ or the National R&R Policy/R&R Policy of the State Government, as applicable. The project proponent shall Being complied. 11. ensure that the expenditure towards, the socio-economic The activities undertaken for the specific villages adopted development in and around the

under CSR are displayed on the company website and are updated accordingly.

In every year area-wise detailed CSR plan is prepared after due consultation with local beneficiaries. Umrer Area has spent the following under CSR in last 14 years:

Year	Rs. in lakhs
2023-24	59.50
2022-23	54.79
2021-22	46.84
2020-21	53.17
2019-20	64.80
2018-19	12.01

mine, in every financial year is

incurred in pursuance of the Corporate Social Responsibility

as provisioned under Section 135

of the Components Act, 2013.

		2017-18 15.84
		2016-17 6.09
		2015-16 8.46
		2014-15 39.98
		2013-14 216.88
		2012-13 152.98
		2011-12 85.80
		2010-11 49.59
		*CSR funds for the year 2015-16 and 2016-17 were diverted to Swaccha Bharat Abhiyan.  The activities broadly include:
iii.	The majorit management shall	VIII.
111.	The project proponent shall follow the mitigation measures provided in the Ministries OM No.Z-11013/5712014-IA.I1 (M), dated 29th October, 2014, titled	Not applicable.  There is no village in the mine lease area or surrounded by the mine lease area.
	"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	Nearest village i.e. Murpar village is approx. 1600 m away from the mine boundary.
	surrounded by the mine lease area".	N. de Per II
iv.	The Project Proponent shall	Not applicable.
	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, Project	There is no grazing land in the core zone of the project. So, there is no necessity of making alternate arrangement for livestock grazing.
	Proponent shall implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land.	

(h)	Corporate Environment Responsibility	
i.	The Company shall have a well laid down Environment Policy duly approved by the Board of Directors. The Environment Policy should prescribe for standard operating procedures to have proper checks & balances and to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. The company shall have a well laid down system of reporting of noncompliances/violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large.	Coal India Limited has framed an Environment Policy which is being complied with in all the mines.  To deal with environmental issues and for ensuring compliance with environmental clearance conditions, At corporate level (at HQ), there is a fully fledged Environment Department which is headed by General Manager (Env.) with a multi-disciplinary team of qualified and experienced engineers. The head of Corporate Environment department reports directly the Director (Tech), who is nominated owner of the company.  At Area level, the Environmental management cell is headed by Area General Manager, Umrer Area, assisted by Area Nodal Officer (Environment) Umrer Area, Project Officer/Sub Area Manager, Murpar Sub Area, Staff Officer (Civil), Umrer Area.  At Project level, it is headed by Sub-Area Manager, Murpar Sub Area and assisted by Mine Manager/Safety Officer, Murpar Sub Area, Survey Officer, Murpar Sub Area and Nodal Officer (Environment) of the project
ii.	The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions should be displayed on website of the Company.	Complied.  The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions is displayed on company website <a href="https://www.westerncoal.in">www.westerncoal.in</a> .
iii.	A separate environmental management cell, both at the project level and company headquarter level, with suitable qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.	Complied.  The Environmental Management cell at corporate level is headed by GM (Env) and assisted by a multidisciplinary team of qualified and trained engineers under the control of Director (Tech.)  At Area level, the cell is headed by Area General Manager, Umrer Area, assisted by Area Nodal Officer (Environment) Umrer Area, Project Officer/Sub Area Manager, Murpar Sub Area, Staff Officer (Civil), Umrer Area.  At Project level, it is headed by Sub-Area Manager, Murpar Sub Area and assisted by Mine Manager/Safety Officer, Murpar Sub Area, Survey Officer, Murpar Sub Area and Nodal Officer (Environment) of the project.
iv.	Action plan for implementing the	Complied.

	EMP and environmental clearance conditions shall be prepared and duly approved by the competent authority. Yearwise funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise progress of	The funds earmarked for environment was not diversorbed other works. Expenditure incurred for major environment works are given below:    Year	ture
	implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.	of rain guns at Coal Stock Yard of Murpar area  2013-14 Dust suppression system (Fixed sprinklers) for coal transportation road from weigh bridge to sub area office	5.00
V.	Self Environmental Audit shall be conducted annually. Every three years, a third party environmental audit shall be carried out for assessing the environmental performance.	Every three years the third party assessment of EC compliance will be carried out.	
(i)	Statutory Obligations		
i.	Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Court, NGT and any other Court of Law, from time to time, and as applicable to this project.	Noted	
ii.	This Environmental Clearance is subject to obtaining wildlife Clearance, if applicable from the Standing Committee of National Board for Wildlife, as applicable to the project.	Production has been discontinued from 17/08/2022 since mine comes under the eco sensitive zone of Tadoba Andhar	
iii.	The Project Proponent shall obtain Consent to Establish/Operate under the Air (Prevention & Control Of Pollution) Act, 1981 and water (Prevention & Control Of Pollution) Act, 1974.	Complied. Consent to Establish was obtained from the Mar Pollution Control Board for the enhanced capacity MTPA vide consent no. BO/ JD (APC)/ TB-2/U/38469/R/CC-1901002000 dtd.28.01.2019 (Copy of Communities of 6th CC meeting enclosed as Annexure-II).  Consent to Operate for the same was obtained from vide letter no BO/ JD (APC)/ TB-2UA	of 0.28 AN No- CTE and

		38469/R/CC1901001995 dated 28/01/2019 and consent was
		renewed on 22/07/2022 vide letter No. Format1.0/APAE
		Section/ UAN No.0000124453/CO/2207001172 which is
		valid up to 31/12/2024. (Copy enclosed as Annexure: III).
iv.	The project proponent shall	Complied.
550-500	obtain necessary permission of	
	the Central Ground Water	NOC from CGWA has been secured for abstracting /
	Authority (CGWA).	dewatering of Ground Water (NOC No. CGWA/ NOC/ MIN/
		ORIG/2022/14563) which is valid up to 14/02/2024. Copy
		Enclosed as Annexure-IV.
(j)	Monitoring of Project	
	•	
i.	Adequate ambient air quality	Being complied.
	monitoring stations shall be	
	established in the core zone as	Four nos. of ambient air quality monitoring stations have been

well as in the buffer zone for monitoring of pollutants, namely particulates, SO<sub>2</sub>, and NO<sub>x</sub>. Location of the stations shall be decided based meteorological data, topographical features and environmental and ecologically sensitive receptors in consultation with the State Pollution Control Board.

Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. to be carried out at least once in six months. Online ambient air quality monitoring station/ stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB.

Four nos. of ambient air quality monitoring stations have been established in consultation with MPCB Officials. considering meteorological data, Topographical features and environmentally and ecologically sensitive targets which are as follows:

- Near Pit Office
- Near Magzine Building
- Colony
- Murpar Village

Maximum and minimum concentration of parameters (SPM, PM<sub>10</sub>, NOX, SOX and PM<sub>2.5</sub>) as per Environmental monitoring report (from Oct 2023 to March 2024) is as follows:

Parameters	Permissible limit	Concentration (24 hourly values in µg/m³)		
		Min	Max	
SPM	600	228	310	
DM	300	128	201	
$PM_{10}$	100	72	82	
DM	-	32	48	
PM <sub>2.5</sub>	60	22	32	
NO	120	11	15	
NO <sub>x</sub>	80	06	08	
$SO_x$	120	BDL	13	
	80	F	BDL	

The monitoring of ambient air quality in the mine area is carried out fortnightly basis & reports are submitted regularly to MoEF & CC. Copy of the monitoring report is enclosed as Annexure-VII.

Monitoring of heavy metals is being carried out once in six

		months by CMPDIL. Copy of heavy metal monitoring report is enclosed as Annexure – IX.
ii.	The Air Quality Monitoring in the core zone shall be carried out to ensure compliance of the coal industry standards noted 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 CPCB/SPCB	Complied.  Ambient air quality and mine pumped out water quality were monitored as per Environment (Protection) Amendment Rule 2000 & quarterly reports are submitted to MOEF & CC Nagpur & Maharashtra Pollution Control Board. Reports enclosed as Annexure-VII and Annexure – IX.
iii.	Effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Coal Industry Standard notified vide GSR 742(E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.	Not applicable.
iv.	The monitoring data shall be updated on the company's website and displayed at the project site. The circular No: J-20012/1/2006-IA.1I (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Being complied.  Monitoring data is being regularly uploaded at WCL official website <a href="https://www.westerncoal.in">www.westerncoal.in</a> . Monitoring reports are sent to MoEF&CC on regular basis.  Reports enclosed as Annexure-VII.
V.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells/constructing new piezometers during the mining operation. The monitoring of groundwater shall be carried out four times in a year i.e, premonsoon, monsoon, postmonsoon and winter and the ground water quality shall be monitored once in a year and data thus collected shall be sent regularly to Ministry of	Regular monitoring of ground water level & quality in dug wells has been carried out by establishing a network of existing wells and the reports have been sent to R.O, MoEF & CC on regular basis. Report of Ground Water Monitoring is enclosed as Annexure-X.

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	Environment, Forest and Climate Change / Regional Office.	
vi.	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring date shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change / Regional Office.	Not applicable.  There are no springs and perennial nallahs flowing in and around the mine lease.
vii.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental conditions to the Ministry of Environment, Forest and Climate Change/ Regional Office. For half yearly monitoring reports, the data should be monitored for the period of April to September and October to march of the financial years.	Complied.  Six monthly reports are submitted regularly to Regional office of Ministry of Environment, Forest and Climate Change.  The six monthly report for the period from April 2023 to Sep 2023 is submitted to MoEF&CC vide email dated 30/11/2023.
viii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted and agreed.
(k)	Miscellaneous	
i.	Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.	Complied.  Efforts are being made for the uses of Solar energy and bulbs are replaced by LEDs to reduce energy consumption.  01 no of 40 KWp On-Grid-Connected Roof Top Mounted solar power plant is installed at AGM Office of Umrer area and 01 no of 12 KWp On-Grid-Connected Roof Top Mounted solar power plant is installed at Area Hospital, Umrer Area.  Copy of the commissioning report of solar plant is enclosed as Annexure – XI.
ii.	The project authorities shall inform to the Regional Office regarding commencement of mining operations	Noted and complied.

iii.	A copy of Environment Clearance shall be marked to concern Panchayat. A copy of the same shall also be sent to the concerned State Pollution Control Board, Regional office, District Industry Centre and Collector's office/ Tehsildar Office for information in public domain within 30 days.	A copy of Environmental Clearance letter has marked to concerned Panchayat vide letter no. WCL/ SAM/ MUR/ ENVT/ 2018/ 5103, dated 08/02/18.  Copy of letter is enclosed as Annexure: XII.
iv.	The Environmental Clearance shall be uploaded on the company's website. The, compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain.	Complied.  The clearance letter had been uploaded on the company's website to bring the same in the public domain.
v.	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest and Climate Change at <a href="https://www.environmentclearance.nic.ing">www.environmentclearance.nic.ing</a> and a copy of the same should be forwarded to the Regional Office.	Complied.  Advertisements regarding the issue of Environmental Clearance (Amendment) were given in the following News Papers:  • Chandrapur Samachar (Marathi daily, Nagpur) dated 22/07/18  • 'The Hitvada (English daily, Nagpur) dated 22/07/18  Copy enclosed as Annexure: XIII.
vi.	The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the PP for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and	Complied.  The environmental statement for each financial year is submitted regularly to the MOEF's Regional Office, Nagpur along with the status of compliance of EC conditions as being practiced in all operating mines.  The Audit report for year 2022-23 was submitted online on 13/09/2023. (Annexure-XIV).

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	shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.	7
vii.	The project proponent shall be abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentations to the EAC and in Public Hearing.	Noted & agreed.
viii.	The ministry may stigulate any further condition for environmental protection.	Noted & agreed.
ix.	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in revocation of this Environmental Clearance and attract action under the provisions of Environmental (Protection) Act, 1986.	Noted & agreed.
x.	The above conditions will be enforced inter-alia, under the provisions of the Water (Preventions & Control of Pollution) Act, 1981, the Environmental (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court and any other Court of Law relating to the subject matter.	Noted & agreed.
xi.	Any appeal against EC shall lie with the National Green Tribunal Act, 2010.	Noted & agreed.

Sub Area Manager Murpar UG Mine

Murpar Sub Area

Colliery Manager Murpar UG Mine Murpar Sub Area

Nodal Officer (Env.)

Murpar UG Mine

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