Compliance of Environmental Clearance conditions in respect of proposed Dinesh (Makardhokra-III) OC Project of WCL as on 31/03/2024.

Ref: MOEF Environment Clearance Letter No. J-11015/537/2008-IA. II (M) dated 26/05/2022 for 4.5 MTPA

Sl. No.	Compliance Condition	Status
I.	PP shall submit Certified Compliance Report of the EC Vide No. F. No. J-11015/537/2008-IA.II (M). Dated 29 th November, 2018 granted for total 40% expansion, along with EIA/EMP report, prepared based on standard ToRs for the additional capacity of 10% on PARIVESH portal within six months of enhancement of production beyond 40%.	Complied. Certified Compliance of Environmental Clearance of Dinesh (Makardhokra-III) Open Cast project for 4.20 MTPA accorded from MOEF & CC vide letter no: F. No. EC-1739/RON/2022-NGP/10457 dated 17.10.2022 wherein no non compliance was reported. One partially complied condition was reported and ATR against the partially complied condition is submitted to IRO, MOEF & CC on 03/11/2022. (Copy enclosed as Annexure: I)
II.	In view of above (i), Ministry shall ascertain the adequacy of the proposed environmental safeguards and stipulate necessary conditions, if required, which shall be monitored as a part of the EC compliance monitoring.	Agreed.
III.	PP shall obtain necessary prior consent for enhanced capacity from State Pollution Control Board under Air and Water Act.	Complied. Consent to Establish for 4.5 MTPA has been secured vide letter no: Letter no. Format1.0/ CAC/ UAN No. MPCB-CONSENT-0000142418/ CE/ 2211001310 dt. 16/11/2022 (Copy enclosed as Annexure-II) and Consent to operate for 4.5 MTPA has been secured vide letter no. Format1.0/ CAC/ UAN No. MPCB- CONSNET-0000142515/ CO/ 2211001308 dt 16/11/2022, which was valid up to 31/03/2024 (Copy enclosed as Annexure-III). Subsequently, an application for the renewal of CTO has been submitted to Maharashtra Pollution Control Board (MPCB) vide UAN No. MPCB-CONSENT- 0000195787 on 24.01.2024 which is under process at MPCB, Mumbai.

IV.	Environmental quality parameters arising out of proposed expansion shall be within the prescribed norms and the same shall be maintained as per prescribed norms.	Agreed. Baseline monitoring for the environmental parameters i.e. Air, Water and Noise has been conducted for a period from Jan 2023 to April 2023. In addition, regular environmental monitoring of all parameters is being carried out as per the Norms through CMPDI, Nagpur. Monitoring report for the period from Oct 23 to March 24 is enclosed as Annexure-IV. It can be seen from the reports that all parameters are well within the permissible limits.
V.	Hon'ble Supreme Court in an Writ Petition (s) Civil No. 114/ 2014, Common cause vs Union of India & Ors vide its judgement dated 8 th January, 2020 has directed the Union of India to impose a condition in the mining lease and similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining lease holders/ project Proponent.	Grassing of Stylo Hemata species on vulnerable points of OB dump has been carried out on pilot scale basis. Stylo Hemata is a deep-rooted species of grass which is well suited for erosion control. Stylo Hemata grass seeds were spread over 1.00 ha of land. After assessing the outcome of this activity, grassing of remaining area will be taken up in the upcoming monsoon.
VI.	All other terms and conditions as prescribed in Ministry's letter dated 21.06.2011 & 29.11.2018 shall remain the same and need to be complied by PP.	Noted and agreed. All the terms and conditions as prescribed in EC dated 21.06.2011 & 29.11.2018 will be complied.

Ref: MOEF Environment Clearance Letter No. J-11015/537/2008-I A. II (M) dated 29/11/2018 for 4.20 MTPA

A. Specific Conditions:

Sl. No.	Compliance Condition	Status
i.	Project proponent shall obtain Consent to establish from the state pollution control boards for the proposed peak capacity of 4.2 MTPA prior to commencement of the increased production.	Complied. Environmental Clearance has been secured for Expansion of Dinesh (Makardhokra III) Opencast Project for the production capacity of 4.20 MTPA in land area of 919.63 ha, vide MoEF & CC letter no. F. no. J-11015/537/2008-IA-II (M) dated 29/11/2018 (Copy enclosed as Annexure-V).
	1	Consent to establish along with consent to operate for 4.20 MTPA has been secured from MPCB vide letter no. Format 1.0/CAC/UAN No.0000062939/CO-2002001040 dated 25/02/2020 which was valid till 31/03/2021 (Copy enclosed as Annexure-VI).
		Subsequently, Consent to operate has been renewed vide letter no. Format 1.0/CAC/UAN No. MPCB-CONSNET- 00001077252/CR/2211000598 dt 09/11/2022 (Copy enclosed as Annexure: VII).
		Environmental clearance for the increase in the production capacity from 4.2 MTPA to 4.5 MTPA (MOEF OM No. J-11015/537/2008-IA. II (M) dated 26/05/2022) has been secured as per the provisions of OM vide no F. NO.IA3-22/10/2022-IA.III dated 07/05/2022 (Copy Enclosed as Annexure-VIII).
		Subsequently, Consent to Establish for 4.5 MTPA has been secured vide letter no: Letter no. Format1.0/ CAC/ UAN No. MPCB-CONSENT-0000142418/ CE/ 2211001310 dt. 16/11/2022 (Copy enclosed as Annexure-II) and Consent to operate for 4.5 MTPA has been secured vide letter no. Format1.0/ CAC/ UAN No. MPCB- CONSNET-0000142515/ CO/ 2211001308 dt 16/11/2022, which was valid up to 31/03/2024 (Copy enclosed as Annexure-III).
		An application for the renewal of CTO has been submitted to Maharashtra Pollution Control Board (MPCB) vide UAN No. MPCB-CONSENT-0000195787 on 24.01.2024 which is under process at MPCB, Mumbai.
ii.	Transportation of coal from face to coal heap shall be carried out by tippers. Further, the coal transportation from coal heap to Coal Handling Plant shall be carried out through	Complied. Transportation of coal from face to coal heap/ stock yard and coal heap/ stock yard to Coal Handling Plant is carried out by dumpers and tippers. All the trucks leaving the mine premises are covered with tarpaulin.

	covered trucks.		
iii.	To control the production of	Complied.	
	dust at source, the crusher and in-pit belt conveyors shall be provided with mist type sprinklers.	In order to control generation of dust system has been provided at Coal Ha sprinklers have been provided at CH Trolley mounted mist/fog generator h	andling Plant. 10 nos of fixed water HP for dust suppression. 03 nos of
		01 no of trolly mounted mist/fog gen provided at crusher for dust supp procurement of additional 09 nos of is also under process.	ression. In addition, proposal for
		Construction/ Installation of convey 91% of work has been completed complete the work in 2024.	
iv.	Mitigative measures shall be	Complied.	
	undertaken to control dust and other fugitive emissions all along the roads by providing sufficient number of water sprinklers. Adequate corrective	Fugitive dust emissions from all controlled by Fixed Water Sprinklers & coal transportation road. Rain guns Mist spray arrangement is provided prevent the dust formation.	along weigh bridge, approach road s are provided at railway siding and d at all transfer points of CHP to
	measures shall be undertaken to control dust emissions as presented before the Committee, which would include mechanized	In addition, fixed water sprinklers & generator; Mobile Water tanker/sprindust suppression at approach roads, hand coal stock yard. The Fugitive duskept under control.	nkler are used in all three shifts for naul roads, coal transportation roads
	sweeping, water sprinkling/mist spraying on	Details of Air pollution control measured	ures installed:
	haul roads and loading sites, long range misting/fogging	• Automatic tyre washing syst of Umrer Area.	em is installed at main check post
	arrangement, wind barrier wall and vertical greenery system, green belt, dust	• 2 No. of mobile water tanke 10 KL Capacity are in operat	rs of 20 KL capacity and 6 nos of ion.
	suppression arrangement at railway siding etc.	1	e installed along coal transportation a bridge and CHP, details are as
		Location	Nos. of fixed sprinklers
		CHP	10
		Siding	44
		Along Coal stock approach Road and near Weigh bridge of Dinesh	12
		Coal Stock Yard	24
		Coal transportation road	90
			stem (150 nos nozzles) and 03 nos generators are provided at CHP.

		• One no of trolley mounted mist/ fog generator and spray nozzles are provided at Crusher.
		• One no of truck mounted mist/ fog cannon is in operation.
		• In addition to this, proposal for the procurement of 09 nos of trolley mounted mist generator is under progress and the same will be procured in FY 2024-25.
V.	The company shall obtain	Complied.
	approval of CGWA for use of groundwater for mining operations at its enhanced capacity of 4.2 MTPA.	Obtained NOC from CGWA for abstracting Ground Water (NOC No. CGWA/NOC/MIN/ORIG/2019/5548) which was valid up to 09/06/2021. Copy of NOC is enclosed as Annexure – IX.
		Renewal application for NOC is submitted to CGWA. Renewal application is approved by CGWA and the formal NOC is awaited.
vi.	Continuous monitoring of	Complied
V1.	Continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	Complied. For surveillance of occupational health among workers, Periodical Medical Examination (PME) is carried out compulsorily for each employee once in three year with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.
		Moreover, for every new employee Initial Medical Examination (IME) is also carried out for both departmental and contractual employee as per the provisions of the statute.
		During PME, the candidates are subjected to complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.
		All the activities within the mine are carried out with complying safety aspect and regular awareness is created among employees regarding safety and to avoid any accidents. All the employees working in projects are provided with PPE like mask, ear muffs, helmets and protective shoes.
		Various national and International Days are observed to increase awareness and educate general population (e.g. No Tobacco Day/ No Smoking Day, World AIDS day, World Breast Feeding Week etc.).
		Regular Family Welfare (L.T.T.) Camps organized with the help of State Govt. Full Co-operation is extended to State Govt. for Pulse Polio immunization. Medical facilities are being extended to non-employees in all sorts of acute emergencies.
		The details of the set up at Umrer Area Hospital are as follows:
		 Periodical Medical Examination (PME) Centres: 1 (Occupational Health Centres)

	havin obliga	No. of Doctor No. of X-Ray n No. of Audiom No. of Spiromo No. of patholo No. of patholo No. of X-Ray No. of Laborat No of ECG Te en from the above g all the infrast	eter units: 1 gy Labs: 1 Technicians: 1 ory Technicians: 3	ical Examination al, Umrer Area, mply all the s of all employed	n: 2 WCL is statutory
			No. of workers (D	ent & Cont)	
		Year	IME	PME	
		2020-21	120	52	
		2021-22	186	68	
		2022-23	902	68	
vii. Persons of nearby villag		2023-24	344	64	
shall be given training of	n	olied.			
shall be given training of livelihood and sk development to make the employable.	on ill m in the	development train Group VTC of	nings are being conducted Umrer Area for livelihoo pment programs are as fo	d and self-empl	
livelihood and sk development to make the	on ill m in the	development train Group VTC of	Umrer Area for livelihoo	d and self-empl	oyment.
livelihood and sk development to make the	on ill m in the	development train Group VTC of Is of Skill Develo	Umrer Area for livelihoo pment programs are as fo	d and self-empl llows: No. of	oyment.
livelihood and sk development to make the	on ill m in the	development train Group VTC of Is of Skill Develo Year	Umrer Area for livelihoo pment programs are as fo Training Programs Apparel designing, Beauty parlor and	d and self-empl llows: No. of beneficiario 85	oyment.
livelihood and sk development to make the	on ill m in the	development train Group VTC of Is of Skill Develo Year 2016-17	Umrer Area for livelihoo pment programs are as fo Training Programs Apparel designing, Beauty parlor and Electrician Office automation and	d and self-empl llows: No. of beneficiario 85	oyment.
livelihood and sk development to make the	on ill m in the	development train Group VTC of Is of Skill Develo Year 2016-17 2017-18	Umrer Area for livelihoo pment programs are as for Training Programs Apparel designing, Beauty parlor and Electrician Office automation and Data entry operator Tailoring and Apparel	d and self-empl llows: No. of beneficiario 85 26 60 g 240	oyment.
livelihood and sk development to make the	on ill m in the	development train Group VTC of Is of Skill Develo Year 2016-17 2017-18 2018-19	Umrer Area for livelihoo pment programs are as for Training Programs Apparel designing, Beauty parlor and Electrician Office automation and Data entry operator Tailoring and Apparel designing Beauty parlor, Tailorin and Apparel designing Not conducted due to	d and self-empl llows: No. of beneficiarie 85 1 26 60 g 240 Nil	oyment.
livelihood and sk development to make the	on ill m in the	development train Group VTC of Is of Skill Develo Year 2016-17 2017-18 2018-19 2019-20	Umrer Area for livelihoo pment programs are as for Training Programs Apparel designing, Beauty parlor and Electrician Office automation and Data entry operator Tailoring and Apparel designing Beauty parlor, Tailorin and Apparel designing Not conducted due to restrictions imposed by the Govt in Covid 19	d and self-empl llows: No. of beneficiarie 85 1 26 60 g 240 Nil	oyment.
livelihood and sk development to make the	on ill m in the	development train Group VTC of Is of Skill Develo Year 2016-17 2017-18 2018-19 2019-20 2020-21	Umrer Area for livelihoo pment programs are as for Training Programs Apparel designing, Beauty parlor and Electrician Office automation and Data entry operator Tailoring and Apparel designing Beauty parlor, Tailorin and Apparel designing Not conducted due to restrictions imposed by	d and self-empl llows: No. of beneficiario 85 1 26 60 g 240 g 240 Nil	oyment.

viii.	To ensure health and welfare	Complie	d.		
	of nearby villages, regular medical camps shall be	Medical	camps are organ	nized on regular basis b	y WCL, Umrer Area.
	organized at least once in six	Details of	f medical camps	s conducted in last 6 ye	ars are given below:
	months.		Year	No. of Medical camps	No. of Beneficiaries
			2018-19	57	4691
			2019-20	34	1878
			2020-21	3*	90
			2021-22	27	1849
			2022-23	39	3400
			2023-24	45	4743
		nearby v conducte During th	illagers on regu d. he Covid 19 Par	llar basis and a blood	ing were conducted for donation camp was also ng initiatives were taken ers.
			WCL U	mrer Area Initiatives	during Covid-19
		Period	of support: 202	20-21,2021-22	
		A) Supp	port to State G	overnment	
		Sl. No.	F	Particular	Remark
		1.	machine to St - BiPA	05 nos of BiPAP tate administration P- bi-level positive by pressure	Umrer and Kuhi
			- This suppo patien	machine is used for orting breathing for nts whose lungs are perating efficiently	
		2.	machine	oxygen concentrator	Chimur tehsil office for support to setting up covid care centre
			2) 200 PPE		(CCC Facility)
			3) 25 hospita	al bed and mattress	
		B) Supp	port to nearby	communities	
		Sl. No.	F	Particular	Count of packets
		1.	Ration packet	ts	852
		2.	Food packets		4750

<i>,</i>	port to ZP		I	
Sl. No.	•	Particular	Amoun	t
1. No of schools supported		11		
2. Mask and sanitizer to students		1040		
3.	Soap,	oximeter, Thermal Gun, Sodium Hypochlorite, bottle etc		
D) Cov	rid-19 testin	g and vaccination	I	
Sl. No.		Particular	Nos.	
1.	Testing premises	for covid-19 at WCL	3317	
2.	Vaccinat	tion administered at WCL	1671	
SI			No.	
Sl. No.	Date	Name of Camp	Bene	fici
No.			Bene rie	efici es
No.	Date 07/04/23 11/04/23	GHCC at Hewati Village	Bene rio e 13	efici es 37
No. 1	07/04/23		Bene rio e 13	efici es 37 02
No. 1 2	07/04/23 11/04/23	GHCC at Hewati Village GHCC at Shirpur village	Bene rid e 13 e 10 93	efici es 37 02 8
No. 1 2 3 4	07/04/23 11/04/23 20/04/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Piraya village	Bene rid e 13 e 10 99 age 80	efici es 37 02 8 0
No. 1 2 3 4	07/04/23 11/04/23 20/04/23 27/04/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Piraya village GHCC at Dahegaon villa	Bene rid e 13 e 10 92 age 80 age 60	efic es 37 02 8 0 7
No. 1 2 3 4 5	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Piraya village GHCC at Dahegaon villa GHCC at Khadsangi villa	Bene rid e 13 e 10 92 age 80 age 60	efic es 37 02 8 0 7 0
No. 1 2 3 4 5 6	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Piraya village GHCC at Dahegaon villa GHCC at Khadsangi villa GHCC at Khursapar villa	Bene rid e 13 e 10 99 age 80 age 60 age 11 6 60	efic: es 37 02 8 0 7 .0 5
No. 1 2 3 4 5 6 7 8	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Piraya village GHCC at Dahegaon villa GHCC at Khadsangi villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa	Bene rid e 13 e 10 ge 80 age 80 age 60 age 60 age 60 age 50	efic es 37 02 8 0 7 0 7 0 5 2
No. 1 2 3 4 5 6 7 8 9 10	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 09/06/23 16/06/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Piraya village GHCC at Dahegaon villa GHCC at Khadsangi villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa	Bene rid e 13 e 10 ge 90age80age60age61age62age62age5764	efic es 37 02 8 0 7 0 5 2 7 4
No. 1 2 3 4 5 6 7 8 9	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 09/06/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Piraya village GHCC at Dahegaon villa GHCC at Khadsangi villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa GHCC at Kanwa village GHCC at Piraya village	Bene $rid rid rid<$	efic es 37 02 8 0 7 0 7 0 5 2 7 4
No. 1 2 3 4 5 6 7 8 9 10	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 09/06/23 16/06/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Shirpur village GHCC at Dahegaon villa GHCC at Khadsangi villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa GHCC at Podegaon villa GHCC at Anganwadi Gh village	Bene $rid rid rid<$	fic es 37 02 8 0 7 0 5 2 7 4 0
No. 1 2 3 4 5 6 7 8 9 10 11 12	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 30/05/23 16/06/23 21/06/23 21/06/23 27/06/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Shirpur village GHCC at Dahegaon villa GHCC at Khadsangi villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa GHCC at Podegaon villa GHCC at Piraya village GHCC at Anganwadi Gh village GHCC at Sayki village	Bene e 13 e 10 92 92 age 80 age 61 age 62 age 63 age 64 age 57 age 57 noturli 33 12 12	efic es 37 02 8 0 7 0 5 2 7 4 0 8 25
No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 09/06/23 16/06/23 21/06/23 21/06/23 27/06/23 07/07/23 14/07/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Shirpur village GHCC at Dahegaon villa GHCC at Dahegaon villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa GHCC at Podegaon villa GHCC at Piraya village GHCC at Anganwadi Gh village GHCC at Sayki village GHCC at Piraya village	Bene e 13 e 13 e 10 99 99 age 89 age 60 age 61 age 62 age 63 age 64 age 57 hoturli 33 12 71	fic es 37 02 8 0 7 0 5 2 7 4 0 8 25 5
No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 30/05/23 09/06/23 16/06/23 21/06/23 27/06/23 07/07/23 14/07/23 24/07/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Shirpur village GHCC at Dahegaon villa GHCC at Chadsangi villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa GHCC at Podegaon villa GHCC at Piraya village GHCC at Anganwadi Gh village GHCC at Sayki village GHCC at Sirpur village	Bene rid e 13 e 10 99 age 80 age 80 age 60 age 61 age 62 age 63 age 64 res 64 70 71 noturli 33 12 71 2 14	fic es 87 92 8 0 7 0 5 2 7 4 0 8 25 5 45
No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 30/05/23 09/06/23 16/06/23 21/06/23 21/06/23 27/06/23 14/07/23 24/07/23 28/07/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Shirpur village GHCC at Dahegaon villa GHCC at Dahegaon villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa GHCC at Podegaon village GHCC at Piraya village GHCC at Anganwadi Gh village GHCC at Sayki village GHCC at Shirpur village GHCC at Shirpur village	Bene rid e 13 e 13 e 10 ge 80 age 80 age 60 age 61 age 62 age 63 age 64 age 64 age 64 age 57 age 64 age 74 age 84	fic es 37 02 8 0 7 0 5 2 7 4 0 8 25 5 5 5 5
No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	07/04/23 11/04/23 20/04/23 27/04/23 03/05/23 11/05/23 20/05/23 30/05/23 30/05/23 09/06/23 16/06/23 21/06/23 27/06/23 07/07/23 14/07/23 24/07/23	GHCC at Hewati Village GHCC at Shirpur village GHCC at Shirpur village GHCC at Dahegaon villa GHCC at Chadsangi villa GHCC at Khursapar villa GHCC at Sirpur village GHCC at Dahegaon villa GHCC at Podegaon villa GHCC at Podegaon villa GHCC at Piraya village GHCC at Anganwadi Gh village GHCC at Sayki village GHCC at Sirpur village	Bene rid e 13 e 10 99 99 age 89 age 60 age 61 age 62 age 63 age 64 age 57 oturili 33 12 73 age 84 12 73 age 83 110 10	fi (es 3 7 2 8 0 7 0 5 2 7 4 0 5 5 5 5 5 5 12 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 1

	19	25/08/23	GHCC at Diraya villaga	84
	20	23/08/23	GHCC at Piraya village	90
			GHCC at Sayaki village	
	21	07/09/23	GHCC at Bhagwanpur village	138
	22	11/09/23	Health Check Up Camp at Udasa Ashram Shala student	400
	23	13/09/23	Eye Check Up Camp by Anatwar Hospital at Ghoturli village	70
	24	20/09/23	GHCC at MKD School	160
	25	29/09/23	Eye Check Up Camp by Sarakshi Hospital	64
	26	17/10/23	GHCC at Mangrud Ashram Shala	134
	27	26/10/23	GHCC at Piraya village	130
	28	30/10/23	GHCC at Kanwa village	101
	29	09/11/23	GHCC at Podgaon village	63
	30	28/11/23	GHCC at Sirpur village	101
	31	30/11/23	GHCC at Piraya village	135
	32	06/12/23	GHCC at Sayaki village	85
	33	08/12/23	Free check-up camp for cancer detection by HCG Nagpur	67
	34	13/12/23	GHCC at Zilla Parishad waigaon Ghoturli village	96
	35	19/12/23	Osteoporosis Awareness & Check-Up Camp by Choudhari Hospital Nagpur	109
	36	20/12/23	GHCC at Udasa Ashram shala	190
	37	08/01/24	GHCC at Piraya village	62
	38	16/01/24	GHCC at Sirpur village	150
	39	19/01/24	GHCC at Khandazari village	61
	40	02/02/24	GHCC at Kanwa village	130
	41	05/02/24	GHCC at Sayki village	110
	42	09/02/24	GHCC at Bhagwanpur village	107
	43	28/02/24	GHCC at Hewti Village	112
	44	14/03/24	GHCC at Piraya village	122
	45	22/03/24	GHCC at Hewti Village	120
			Total	4743

		beneficiaries	, are m				
			Year	r No	. of Beneficia OPD f		vailed
			2018-2	19	24	99	
			2019-2	20	26	91	
			2020-2	21	15	87	
			2021-2	22	28	90	
			2022-2		31		
			2023-2		29		
ix.	Thick green belt of adequate width at the final boundary in the down wind direction of the project site shall be developed to mitigate/check		as star have b	1	ion on 25/11/2 on plain land		, ,
	the dust pollution.	Year of plantation		No of plants	Area in Ha	Plantat site	
		2022-23		15,000	6.00	Plain la	
		2023-24		25,000	10.00	Plain la	
						riamia	and
				-			
		Total		5,000 45,000	2.00 18.00	OB du	mp
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of the Plantation present	vork i specie j, Cas as proj backf native he plan	5,000 45,000 is carried outes planted are siya, Bamboo posed in the l filled area, ald e species in co nts will be ma mme for the n	2.00 18.00 It through Ma e Amla, Jamur , Khamer, Am EMP, plantation ong road sides onsultation wit aintained at 25 next 04 years is	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belo	mp lesh Van Vik fala Siras, Sat done on extern nd and townsh rest Departme per ha.
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of th Plantation pr Year	vork i specie j, Cas as prop backf native ne plan rogran	5,000 45,000 is carried out es planted are siya, Bamboo posed in the l filled area, alo e species in co nts will be ma mme for the n Location	2.00 18.00 It through Ma e Amla, Jamur , Khamer, Am EMP, plantation ong road sides onsultation wita aintained at 25 next 04 years is n No of	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belc Plants	mp lesh Van Vik ala Siras, Saf done on extern nd and townsl rest Departme per ha. ow: Area in Ha
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of the Plantation present	vork i specie j, Cas as prop backf native ne plan rogran	5,000 45,000 is carried outes planted are siya, Bamboo posed in the l filled area, ald e species in co nts will be ma mme for the n	2.00 18.00 It through Ma e Amla, Jamur , Khamer, Am EMP, plantation ong road sides onsultation wita aintained at 25 next 04 years is n No of	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belo	mp lesh Van Vik fala Siras, Sat done on extern nd and townsh rest Departme per ha.
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of th Plantation pr Year	vork i specie j, Cas as proj backf native ne plan rogran	5,000 45,000 is carried out es planted are siya, Bamboo posed in the l filled area, alo e species in co nts will be ma mme for the n Location	2.0018.00at through Mae Amla, Jamur, Khamer, AmEMP, plantationcong road sidesonsultation witaintained at 25next 04 years isnNo of0.0325	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belc Plants	mp lesh Van Vik ala Siras, Saf done on extern nd and townsl rest Departme per ha. ow: Area in Ha
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of th Plantation pr Year	vork i specie j, Cas as proj backf native ne plan rogran	5,000 45,000 is carried out es planted arc siya, Bamboo posed in the I filled area, alc e species in co nts will be ma mme for the n Location OB Dump No	2.0018.0018.00at through Mae Amla, Jamur, Khamer, AmEMP, plantationcong road sidesonsultation witaintained at 25aext 04 years isnNo of0.03250.0337	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belc Plants ,000	mp lesh Van Vik ala Siras, Saf done on extern nd and townsl rest Departme per ha. ow: Area in Ha 10.00
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of th Plantation pr <u>Year</u> 2024-25	vork i specie j, Cas as proj backf native he plan rogran	5,000 45,000 is carried outes planted are siya, Bamboo posed in the I filled area, ald e species in co nts will be ma mme for the n Location OB Dump No	2.0018.0018.00at through Mae Amla, Jamur, Khamer, AmEMP, plantationcong road sidesonsultation witaintained at 25next 04 years isnNo of0.03250.03370.0475	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belo Plants ,000 ,500	mp lesh Van Vik fala Siras, Sat done on extern nd and townsh rest Departme per ha. bw: Area in Ha 10.00 15.00
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of th Plantation pr <u>Year</u> 2024-25	vork i specie j, Cas as prop backf native he plan rogram	5,000 45,000 is carried out is planted are siya, Bamboo posed in the l filled area, ald e species in co nts will be ma mme for the n Location OB Dump No OB Dump No	2.0018.0018.00at through Mae Amla, Jamur, Khamer, AmEMP, plantationcong road sidesonsultation witaintained at 25next 04 years isnNo of0.03250.03370.047510	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belc Plants ,000 ,500	mp lesh Van Vik fala Siras, Sat done on extern nd and townsh rest Departme per ha. bw: Area in Ha 10.00 15.00 30.00
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of th Plantation pr <u>Year</u> 2024-25	vork i specie j, Cas as proj backf native he plan rogram	5,000 45,000 is carried out is planted are siya, Bamboo, posed in the l filled area, ald e species in co nts will be may mme for the n Location OB Dump No OB Dump No OB Dump No OB Dump No	2.0018.0018.00at through Mae Amla, Jamur, Khamer, AmEMP, plantatiocong road sidesonsultation witaintained at 25nNo of0.03250.03370.0475100.0337	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belc Plants ,000 ,500 ,000	mp lesh Van Vik fala Siras, Saf done on extern nd and townsh rest Departme per ha. bw: Area in Ha 10.00 15.00 30.00 04.00
		Plantation v Nigam. The Sirus, Karan Further on, a OB clumps, by planting p Density of th Plantation pp <u>Year</u> 2024-25	vork i specie j, Cas as proj backf native he plan rogram	5,000 45,000 is carried out is planted are siya, Bamboo, posed in the l filled area, ald e species in co nts will be may mme for the n Location OB Dump No OB Dump No OB Dump No OB Dump No	2.00 18.00 It through Ma e Amla, Jamur , Khamer, Am EMP, plantatic ong road sides onsultation wit aintained at 25 next 04 years is n No of o.03 25 o.03 37 o.04 75 0.03 37 o.04 75	OB dur dhya Prad n, Neem, K rood etc. on will be c , vacant lar h State For 00 plants p given belo Plants ,000 ,500 ,000 ,500	mp lesh Van Vik fala Siras, Saf done on extern nd and townsl rest Departme oer ha. ow: Area in Ha 10.00 15.00 30.00 04.00 15.00

			OB Dump No.04	1,00,000	40.00
			Plain Land	15,000	06.00
			I		
X.	Efforts shall be made for utilizing alternate source of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.	purposes. Mine gallons in the c suspended partic is then pumped tank. This min suppression, fire	water is the primary so water is collected in quarry area of mine. les present in water. ' out on surface and f the water is used for fighting and plantatic ement of water is fu	sump of capacit This sump allo The supernatant ed into the surfa industrial purpo on etc.	ty 163.62 Million ows settlement of from these sumps ace sedimentation oses such as dust
		Umrer Colony. As such mine wa	ater and water from bo rpose and thus minim	ore well is being	used for industrial
xi.	A third-party assessment of EC compliance shall be undertaken once in three years through agency like ICFRI/NEERI/IIT or any other expert agency identified by the Ministry.	three years. The third part through CSIR-1	essment of EC compl assessment of EC o NEERI (Expert Ag carried out on 18/11/2	compliance has gency identified	been undertaken 1 by Ministry).

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. Mining is being carried out as per the provisions of the Mines Act 1952 and subordinate legislations made there– under as applicable.
ii.	No change in mining method, Calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change.	combination. There has been no change in scope of work and

		approval of the MOEF&CC.
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. Mining is being carried out as per the provisions outlined in approved mining plan as well as by abiding to the relevant laws related to coal mining and the circulars issued by Directorate General Mines Safety (DGMS).
iv.	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.	Agreed. There is no forest land in the mine lease area (919.63 Ha) of Project. In future also, no mining activity will be carried out in forest land without obtaining Forestry Clearance.
(b)	Land Reclamation and Water Conse	ervation
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 shall be submitted to Ministry of Environment, Forest and Climate Change/ Regional Office (RO).	Complied. Digital processing of the entire lease area using Remote sensing technique is done every year by CMPDIL. Reports of which are available on WCL website. The same is submitted to Ministry of Environment, Forest and Climate Change/ Regional Office on regular basis. Land Restoration / Reclamation monitoring report of Dinesh OC mine based on satellite data for the year 2023 is enclosed as Annexure –X.
ii.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of any 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	Complied. There is only one seasonal nallah (Amb Nallah) flowing through the mine lease. The surface drainage plan considering the presence of this nallah is prepared and implemented. The embankment is constructed along the Amb nallah (at the south side of nallah). The height of the embankment provided to protect the mine along its boundary has been kept 6.00 meters above the HFL of the nallah. The Top width of embankment has been kept 34.00 m which is sufficient to protect the mine from peak flow of the nallah.

	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.	Plan/EIA/EMP report and all precautions are being taken for avoiding any adverse impact on surface drainage as envisaged in the approved reports.
iii.	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40m, adequate engineering interventions shall be provided for sustenance of adequate 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 purpose and shall be handled over to the respective state government as specified in the guidelines for preparation of mine closure plan issued by the ministry of coal dated 27 th august, 2009 and subsequent amendments.	 Final mine void depth is 144.50 m (after Phase-II), as per approved Mining plan. As it exceeds more than 40 m, suitable engineering interventions will be provided for sustenance. The backfilled quarry will be reclaimed with plantation as per EMP in consultation with State Forest Department. Density of the plants will be maintained at 2500 plants per ha. The proposed water body of 152 ha of decoaled void will be gently sloped and upper benches shall be terraced and stabilized with plantation. Post Mining activities will be taken up according to the approved Mine Plan/EIA/EMP. The mine closure plan is the integral part of approved mining plan/EIA/EMP as per the guidelines issued by MOC and being followed up.
iv.	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 Ministry of Environment, Forest and climate change/ Regional Office on six monthly basis.	No. Particulars Ha

v.	The top soil shall temporarily be	Being complied.		
	stored at earmarked site(s) only and shall not be kept unutilized for long. 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.	top soil is in progres quarry with proper slo been removed. Out of	d its operation on 25/1 as at earmarked site in ope. Till 31/03/2024, 9.5 f this 9.51 Mm3 of top at earmarked site and n 2023-24.	the western side of the 1 Mm ³ of Top soil has soil, 6.86 Mm ³ of top
	The other overburden dumps shall be vegetated with native flora species.	This soil will be used development of gree	d as early as possible en belt.	for reclamation and
	The excavated area shall be backfilled and afforested in line with		ored in external OB d 28° in ML area. All th	
	the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self- sustaining. Compliance status shall	species will start directed the reclama	dump sites with plat only after the dump ation will be continu- eport will be submitted	os get in-active, as ed till the same are
	be submitted to Ministry of Environment, Forest and Climate Change/ Regional Office on six monthly basis.	reached in due cours will start and OB du backfilling area. As	ght, final slope with is se of operation. As pla amp would ultimately stated earlier, the big er the dumps attain d.	nned, the backfilling get merged with the ological reclamation
			07.019 Mm ³ of OB h vated OB has been sta	
		Details of external C	OB dump is given belo	w:
		Dump	Area in Ha	Height of Dump (m)
		External OB (Dump No. 2)	118.189	45-65
		External OB (Dump No. 3)	92.327	50-75
		backfilled in decoale	.593 Mm ³ of the exca ed area of Mine.	avated OB has been
(c)	Emissions, Effluents, and Waste Dis	posal		

· ·		N N N N	
i.	Transporting of coal, to the extent	Being complied.	
	permitted by road, shall be carried	All the vehicles transporting	g coal are loaded within
	out by covered trucks/ conveyors.	permissible limit and trucks le	
	Effective control measures such as	covered with tarpaulin. It is ensu	e i
	regular water/mist sprinkling/rain	At present four nos of CCTV (
	gun etc. shall be carried out in	check post of Umrer Area. C	
	critical areas prone to air pollution	monitored. Security guards are	
	(with higher values $PM_{10}/PM_{2.5}$) such	post to check whether all the tru	cks leaving the mine premises
	as haul road, loading/unloading and	are properly covered or not.	
	transfer points. Fugitive dust	Fugitive dust emissions from a	ll the dust generating sources
	emissions from all sources shall be	are controlled by Fixed Water S	
	controlled regularly. It shall be	approach road & coal transpo	
	ensured that the Ambient Air Quality	provided at railway siding an	
	parameters conform to the norms	provided at all transfer points formation.	of CHP to prevent the dust
	prescribed by the Central/ State		
	Pollution Control Board.	In addition to fixed water spr	
		mounted fogging cannons & Mo are used in all three shifts for	-
		roads, haul roads, coal transpo	
		yard. The Fugitive dust is also n	
		under control.	
		Details of Air pollution control r	neasures installed:
		• Automatic tyre washing	g system has been installed at
		main check post of Umr	er Area.
		• 2 No. of mobile water t	ankers of 20 KL capacity and
		6 nos of 10 KL Capacity	-
			lers are installed along coal
		CHP, details are as follo	way siding, weigh bridge and ws:
		Location	Nos. of fixed sprinklers
		СНР	10
		Siding	44
		Along Coal stock approach	12
		Road and near Weigh bridge of Dinesh	12
		Coal Stock Yard	24
		Coal transportation road	90
			t system (150 nos nozzles) and inted mist/fog generators are
		*	ed mist/ fog generator and spray
		One no of troney mounted nozzles are provided at C	

			e no ration		mounted	mist/ fog	g cannon i	s in
		nos	of	trolley m	nounted m	ist gene	ocurement o erator is u in FY 2024	nder
ii.	Greenbelt, consisting of 3-tier plantation, of width not less than 7.5m, shall be developed all along the mine lease area in a phased	Being Con The mine 1 45,000 nos OB dump.	nas sta of sa	arted its o plings hav	ve been pl		2016. Till c plain land	
	manner. The green belt comprising of a mix of native species shall be	Year planta		No of plants	Area in Ha	Planta	ation site	
	developed all along the major approach / coal transportation roads.	2022		15,000	6.00		and along oundary	
		2023	-24	25,000	10.00	Plain la	and along oundary	
				5,000	2.00		dump	
		Tot	al	45,000	18.00			
		Density of plantation p	-		he next 04	years is g No of	given below	
		2024-25		Locatio	•]		Area in	
		2024-23		Dump N		Plants	На	
1			_	8 Dump N 8 Dump N	0.03 2	Plants 25,000 37,500		
		2025-26	OE	•	o.03 2 o.03 3	25,000	Ha 10.00	
		2025-26	OE OE	3 Dump N	0.03 2 0.03 2 0.03 2 0.04 2	25,000 37,500	Ha 10.00 15.00	
		2025-26	OE OE Pla	3 Dump N 3 Dump N	0.03 2 0.03 3 0.04 3	25,000 37,500 75,000	Ha 10.00 15.00 30.00	
		2025-26	OE OE Pla OE OE	3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N	0.03 2 0.03 3 0.04 3 0.03 3	25,000 37,500 75,000 10,000	Ha 10.00 15.00 30.00 04.00	
			OE OE Pla OE OE Pla	3 Dump N 3 Dump N in Land 3 Dump N 3 Dump N in Land	0.03 2 0.03 3 0.04 3 0.03 3 0.03 3 0.03 3 0.04 3 0.04 3	25,000 37,500 75,000 10,000 37,500 75,000 10,000	Ha 10.00 15.00 30.00 04.00 15.00 30.00 04.00 04.00	
			OE OE Pla OE OE Pla	3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N	0.03 2 0.03 3 0.04 3 0.03 3 0.03 3 0.03 3 0.04 3 0.04 3	25,000 37,500 75,000 10,000 37,500 75,000	Ha 10.00 15.00 30.00 04.00 15.00 30.00	
			OE OE Pla OE OE Pla OE OE	3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N	0.03 2 0.03 2 0.03 2 0.04 2 0.03 2 0.04 2 0.03 2 0.04 2 0.03 2 0.03 2	25,000 37,500 75,000 10,000 37,500 75,000 10,000	Ha 10.00 15.00 30.00 04.00 15.00 30.00 04.00 04.00	
		2026-27	OE OE Pla OE OE Pla OE OE	3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N iin Land 3 Dump N	0.03 2 0.03 2 0.03 2 0.04 2 0.03 2 0.04 2 0.03 2 0.03 2 0.03 2 0.03 2 0.04 1	25,000 37,500 75,000 10,000 37,500 75,000 10,000 50,000	Ha 10.00 15.00 30.00 04.00 15.00 30.00 04.00 20.00	
		2026-27	OE OE Pla OE OE Pla OE OE	3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N	0.03 2 0.03 2 0.03 2 0.04 2 0.03 2 0.04 2 0.03 2 0.03 2 0.03 2 0.03 2 0.04 1	25,000 37,500 75,000 10,000 37,500 75,000 10,000 50,000 ,00,000	Ha 10.00 15.00 30.00 04.00 15.00 30.00 04.00 20.00 40.00	
iii.	The transportation of coal shall be	2026-27	OE OE OE OE Pla OE OE Pla	3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N iin Land 3 Dump N 3 Dump N	0.03 2 0.03 2 0.03 2 0.04 2 0.03 2 0.04 2 0.03 2 0.03 2 0.03 2 0.03 2 0.04 1	25,000 37,500 75,000 10,000 37,500 75,000 10,000 50,000 ,00,000	Ha 10.00 15.00 30.00 04.00 15.00 30.00 04.00 20.00 40.00	

	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 to construct a "bypass" road, it should be constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	The transportation of coal is can and route proposed in the approx The coal transportation road is directly connected to State High There is no village in the min transported through any village/ need for bypass road.	ved mining plan. properly maintained and it is ways (BT road). ne lease area and coal is not
iv.	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.	Being complied. As per the present practice, the l all vehicles and the same will certificates is enclosed as Annex	be continued. Copy of PUC
v.	Coal stock pile/crusher/feeder and breaker material 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. Drills shall be wet operated or fitted with dust extractors.	Complied. Fugitive dust emissions from a are controlled by Fixed Water S approach road & coal transpo provided at railway siding and provided at all transfer points formation. Side cladding is provided alon wet drilling arrangement.	Sprinklers along weigh bridge, ortation road. Rain guns are d Mist spray arrangement is of CHP to prevent the dust
		 main check post of Umr 2 No. of mobile water t 6 nos of 10 KL Capacity 180 nos. fixed sprink 	g system has been installed at er Area. eankers of 20 KL capacity and v are in operation. lers are installed along coal way siding, weigh bridge and
		Location	Nos. of fixed sprinklers
		CHP	10
		Siding	44
		Along Coal stock approach Road and near Weigh bridge of Dinesh	12
		Coal Stock Yard	24

			Coal transp	ortation road	d		90		
			03 nos provideOne no	oray Arrange of trolley d at CHP. of trolley me are provided	mounte	nted mist d mist/ fo	t/fog gener	ators	are
			• One no operation	o of truck on.	moun	nted mist	/ fog canr	ion is	in
			nos of	tion to this, trolley m s and the sam	ounte	ed mist	generator	is un	der
vi.	Coal Handling Plant shall be	Bei	ing complied	1.					
	operated with effective measures viz. bag filters/ water or mist sprinkling system etc. to check fugitive emissions from crushing operations,	spr	al handling I inkling arra issions at sou	ngement ir	•		•	.	
	conveyor system, transfer points, etc.	spr	inkling arr	angement	and	•	•	.	
		190							
		roa	d, railway s						
		roa	d, railway s lows:	iding, weig		dge and		ils are	
		roa	d, railway s lows: <u>Lo</u> CHP	iding, weig		dge and	CHP, detai fixed sprint	ils are	
		roa	d, railway s lows: <u>Lo</u> CHP Siding	iding, weig	h bri	dge and	CHP, detai	ils are	
		roa	d, railway s lows: CHP Siding Along Coal Road and	cation stock appro near We	h brie	dge and	CHP, detai fixed sprint	ils are	
		roa	d, railway s lows: CHP Siding Along Coal Road and bridge of D	iding, weig cation stock appro near We inesh	h brie	dge and	CHP, deta fixed sprin 10 44	ils are	
		sprinkling arrangement and generators has been provided 180 nos. fixed sprinklers are road, railway siding, weigh follows: Location CHP Siding Along Coal stock approach Road and near Weigh bridge of Dinesh Coal Stock Yard Coal transportation road Air quality parameters are be	h brid	dge and	CHP, detain fixed sprint 10 44 12	ils are			
		roa foll Air fort par Env	d, railway s lows: CHP Siding Along Coal Road and bridge of D Coal Stock Coal transp	iding, weig cation stock appronear We inesh Yard ortation road ameters are s. Maximur PM, PM ₁₀ ,	h brid pach eigh d being m and NO ₂	g monitor d minimu	CHP, detail Fixed sprint 10 44 12 24 90 red by CM um concent and PM2.5	IPDIL tration) as	on of per
		roa foll Air fort par Env as f	d, railway s lows: CHP Siding Along Coal Road and bridge of D Coal Stock Coal transport quality part tnightly basisticameters (SI vironmental states)	iding, weig cation stock appronear Weinesh Yard ortation road ameters are s. Maximur PM, PM ₁₀ , monitoring to Core Zone/ Buffer	h brid	g monitor d minimu	CHP, detail fixed sprin 10 44 12 24 90 red by CM um concent and PM _{2.5} ct 23 to Ma Concent (24 hot) values in	IPDIL tration) as rch 24 ration μg/m ³	on of per) is
		roa foll Air fort par Env as f	d, railway s lows: <u>Lo</u> <u>CHP</u> <u>Siding</u> Along Coal Road and bridge of D <u>Coal Stock</u> <u>Coal Stock</u> <u>Coal transp</u> quality par tnightly basis rameters (SI vironmental r follows:	iding, weig cation stock appronear We inesh Yard ortation road ameters are s. Maximur PM, PM ₁₀ , monitoring to Core Zone/	h brid	dge and Nos. of f g monitor d minimu x, SO _X a c (from Oc nissible	CHP, detail Fixed sprint 10 44 12 24 90 red by CM and PM2.5 ct 23 to Ma Concentre (24 hot)	IPDIL tration) as rch 24	on of per) is

			1			
		PM_{10}	Core	300	135	266
		1 11110	Buffer	100	70	84
		PM _{2.5}	Core	-	36	54
		1 1012.5	Buffer	60	22	32
		NO	Core	120	11	14
		NO _x	Buffer	80	6	9
			Core	120	BDL	12
		SO_2	Buffer	80	BDL	BDL
		It may be seen permissible lim The Monitorin is enclosed as A	iits. g Report in Annexure-IV	respect of Ma		
vii.	Ground water, excluding mine water,	Being complie	d.			
	shall not be used for mining operations. Rainwater harvesting	Ground water i	s not used fo	or any mining	operations.	
	shall be implemented for	Rainwater harv	vesting meas	ures implemen	nted are liste	ed below:
	construction and augmentation of		-	-		
	ground water resources.			apacity: 163.6		
			esources.	otential for au	gmentation	of ground
		Railwa		also been pr Dimensions (L		
			Stora		Estin	natad
		Location	capaci Volun (m ² (a)	(ty / Numb me of filling	er yea rech ^{gs} (a*b*	arly arge
		Check Dam			(11)	y cur y
		on Amb rive near Umrer	er	50 2		70527
		OC Expn. Mine	313	50 3		70537
		Note: Annual storage (in m ³ /2		ie to Check I	Dam = 75%	o of gross
		Where gross st	orage = Stor	age capacity x	no. of fillir	ngs
			top Rainwa ed at AGM (ter harvestin Office	g system	has been

		Location Area General	Roof Area (m ²)	Annual Rainfall (mm)	Runoff Coefficie nt	Estimated Yearly Recharge (m ³ /Y)
		Manager office Note: Water avail Roof area (in sq. top value is taken- Unused/ vacant la ground water rech	m.) x Ru -0.85) and withi arge.	unoff Coe	fficient (for	concrete roof
viii.	Catch/ garland drains and siltation ponds of 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 desilted 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 measures and green belt development. 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	Being Complied. To arrest the flow taken: i) To arrest flow drain of size (top has been construct ii) The silt and sec cross drainage in capacity of 2400 particles. iii) The drain and monsoon. Sump capacity is particles. Water suppression measu The catch drains a measures against separate construct	y of silt a of silt a width 3 n ted. diment fr to the s 20 m ³ t d sumps s adequa collected ures. at the toe flow of	& sediment m, bottom rom OB be ump (80m o allow are desilt are desilt ate to allo in the s of the du f silt and	at during m width 2 m enches are g n x 150m settlement ed before o ow proper ump is ution mp provide sediments	nonsoon, catch & height 2 m) guided through x 2m) having of suspended onset of every settlement of ilised for dust e all protection

	adjacent field/habitation/water bodies.						
ix.	ix.Industrial waste water from CHP, workshop and other waste 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 and maintained fully functional with effluents discharge adhering to the norms. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste.x.Adequate groundwater measures shall be taken up for	The effl oil & g recycled The qu measure of water Maximu per Env	rease trap (cap l and used in wo ality water is s will be taken within permiss um and minimum	kshop is treated bacity: 150 KLI orkshop for wash monitored fort (if need arises) sible limits. m concentration nitoring report (D). Trening of the trightly to main of Wat	ated ef HEMM and a ntain the er param	fluent is adequate e quality meters as
			Parameters	<u>Concentrati</u> Permissible Limit	ion (mg Min	g/L) Max	
		is enclos The dom using P	sed as Annexure nestic sewage dis hytorid techno o of Umrer area	5.5 to 9.0 100 250 10 t in respect of M	lakardh nt of 0.3 provid	3 MLD ed in c	capacity combined
х.		Ground • Presentl villages. will be	The Mine sum unlined and hav water resources A Check Dam Railway Bridg 1.2 m from rive y, no water sho	has also been p e. Dimensions er bed) ortage has been here is any wate by necessary arra	.62 Mi nugmen provide (Length observe er short	llion ga tation o d at La n-55 m, ed in the tage in	ullons) is f ground al Puliya , height- e nearby future it

(d)	Illumination, Noise & Vibration Con	ntrol					
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 & RO on six-monthly basis.	Adequat premise regularl	Complied. Adequate lighting arrangements are provided in mine premises to meet DGMS standards. These are monitored regularly by lux meter. Copy of illumination study report is enclosed as Annexure-XII Complied.				
ii.	control of noise levels below 85 Db (A) in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments		oollu el w e Ea	vorking in operating r plugs/ muffs.	ares are being implemented. mine are being provided with last 4 years are given below:		
	(PPE) like ear plugs/ muffs in conformity with the prescribed	SI.N	0.	Year	Nos of ear plugs provided		
	norms/ guidelines in this regard.	1		2019-20	154		
	Adequate awareness programme for	2		2020-21	59		
	users to be conducted. Progress in			2021-22	45		
	usage of such accessories to be monitored.	4		2022-23	15		
		5		2023-24	39		
iii.	Controlled blasting techniques shall be practiced in order to Mitigative ground vibrations and fly rocks as per the guidelines prescribed by the DGMS.	Being controll are bein arrest th by DGM	ed ng p e fly IS is	blied. blasting techniques practiced to control y rocks. Controlled b s adapted.	with use of delay detonators the ground vibration and to plasting technique as permitted		
		-		Copy enclosed as an			
iv.	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 this Ministry/ RO on six-monthly basis.	Day tir fortnigh Report of monthly Noise le	evel ne tly of th bas vel,	monitoring station & night time nois as per Env. (protect le same is being sub sis.	is established near Pit Office. se level data are monitored ion) Amendment Rule, 2000. mitted to MoEF & CC on six- al monitoring report (from Oct		

		TimeNear Pit OfDay timeNight timeThe Monitoring Reis enclosed as Anne	Permissible limit fice 75 70 eport in respect	evel in dB Min 52.3 51.5 of Makard	Max 63.4 57.4	OC]
(e)	Occupational Health & Safety					
i.	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 regular periodic health check-up, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health check up for occupational diseases and hearing impairment, if any.	Being complied. Periodical Medical compulsorily for each purpose of detecting specific importance covered under Statu During PME, the can examination (inclu- radiological examine blood and urine. In case some abnown above examination required. When a person is con- referred to the con- initiation of treatment If, on radiological having Coal Worked Pneumoconiosis Boorneum Pneumoconiosis Boorneum phaving Coal Worked Pneumoconiosis, ex- to whether he suffer not, compensation to job. In suitable cased Medical Board, there Various national achieved increase awareness	ach employee of ng and keeping of Coal Worke ite. andidates are su uding acuity nation of chest a mality is detect further investi- liagnosed with a oncerned specia ent. examination, a er's Pneumocon oard. There is a xamine him and ers from Coal W to be paid and h es, as per the re re is provision for and Internation	bjected to of vision and routing gations ar a certain d alist for c person is iosis he is team of spe d comes to Vorker's Pr is fitness f commenda or change of al Days	ee year with of diseases oconiosis. The complete clin and hear e examination the course of re carried ou isease, he/ sl confirmation suspected to referred to V ecialist trained of a conclusion neumoconios for continuing ation of the A of job. are observed	n the with nis i nica ringgon o f th ut a he i and o b WCI ed in on a sis o g hi Ape: d to

		Breast Feed	ling Week e	tc.).				
		 Regular Family Welfare (L.T.T.) Camps organized with the help of State Govt. Full Co-operation is extended to Star Govt. for Pulse Polio immunization. Medical facilities a being extended to non-employees in all sorts of act emergencies. The details of the set up at Umrer Area Hospital are follows: 						
			riodical Me			(PME) Centres	s: 1	
		• No. of Doctor engaged in Periodical Medical Examination: 3						
		 Examination: 3 No. of Doctor trained in Periodical Me Examination: 2 No. of X-Ray machines (500 mA): 1 No. of Audiometer units: 1 No. of Spirometer units: 1 No. of pathology Labs: 1 No. of X-Ray Technicians: 1 No. of Laboratory Technicians: 3 No of ECG Technicians:2 As per the Statute/ DGMS guidelines, all the workers examined once in 3 years. As seen from the above details that Area Hospital, U Area, WCL is having all the infrastructural facilitie comply all the statutory obligations regarding occupat health survey of all employees.						
			x 7	No. of	workers (De	ept. & Cont.)		
			rear	Ι	ME	PME		
			020-21		120	52		
			021-22		186	68		
			022-23		902	68		
			023-24		344	64		
ii.	Personnel (including outsourcing employees) working in dusty areas shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health	Being complied.Persons exposed to dusty areas are provided with protective gears like dust masks with goggles.Numbers of Dust Masks issued in last 5 years are given below:						
	aspects.							

					provided		
		1	201	19-20	182		
		2		20-21	136		
		3		21-22	89		
		4		22-23	84		
		5		23-24	109		
		5 2025-24		23-24	109		
		training and a different trades	retrair for b	personnel worki ning on safety oth departmental given training in	and health as and contractual	workers.	
		No. of workers					
		Year	-	Departmental	Contractual	Total	
		2020-21		28	102	130	
		2021-22		105	140	245	
		2022-23		98	585	683	
		2023-24		68	296	364	
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.	Being complied Skill training as per safety norms specified by DGMS is given to all workmen including the outsourcing employees to ensure high safety standards in mines. Number of persons given training in last 4 Years are given					
		below:		0 0		are given	
					of workers	are given	
		Year		No. Departmental	of workers Contractual	Total	
		Year 2020-21		No. Departmental 28	of workers Contractual 102	Total 130	
		Year 2020-21 2021-22		No. Departmental 28 105	of workers Contractual 102 140	Total 130 245	
		Year 2020-21 2021-22 2022-23		No. Departmental 28 105 98	of workers Contractual 102 140 585	Total 130 245 683	
		Year 2020-21 2021-22 2022-23 2023-24		No. Departmental 28 105	of workers Contractual 102 140	Total 130 245	
(f)	Ecosystem and Biodiversity conserva	Year 2020-21 2021-22 2022-23 2023-24 ation		No. Departmental 28 105 98	of workers Contractual 102 140 585	Total 130 245 683	
(f) i.	Ecosystem and Biodiversity conserva The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered flora/fauna, if any, spotted/reported in the study area. Action plan, in this	Year 2020-21 2021-22 2022-23 2023-24 ation Being Complie Not applicable and buffer zone As such, no pre	as the as pe	No. Departmental 28 105 98	of workers Contractual 102 140 585 296 gered flora/ faun nerated in EIA/I e needed for con	Total 130 245 683 364	

	implemented in consultation with the State Forest and Wildlife Department.	However. Plantation is being taken up along with mining activities through State Level Expert Forest Agency (MPRVVN) with MoU for 4 years maintenance after each year of plantation. This MoU is applicable for all mines of WCL in Maharashtra.						
(g)	Public Hearing, R&R & CSR							
i.	Implementation of 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 out R&R Policy of the Company/ or the National R&R Policy/R&R Policy of the State Government, as applicable.	 Monitory compensation provided: 165 nos Total: 1098 nos 						
ii.	The project proponent shall ensure that the expenditure towards, socio- economic development in and around the mine, in every financial year as per the Corporate Social Responsibility policy as per the provisions under Section 135 of the Components Act, 2013.	Being complied.The activities undertaken for the specific villages adopted 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 12 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 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:					
		 Construction of WBM and CC road at nearby villages Construction of Well and Storage arrangement and pipe line for providing drinking water Installation of RO plant at nearby villages and ZP schools. Construction of Green Haat at village Construction of Compound wall at ZP Schools. 					
		• Skill development training for nearby villagers. Details enclosed as Annexure XV.					
iii.	The major management shall follow	Doing compliad					
111.	The project proponent shall follow the mitigation measures provided in the Ministries OM No.Z- 11013/5712014-IA.II (M), dated	Being complied. There is no habitation/village in the mine lease area. Nearest village (Hewati Village) is approx. 1200 m north from the mine boundary.					
	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".	The coal transportation route lies in the south of mine lease area which is approx. 2050 m away from the Hewati village. Approx. 75 - 80% coal is transported through rail to all the major consumers. The remaining $20 - 25\%$ coal is transported through tarpaulin covered trucks. The coal transportation road					
		However, rehabilitation of Hewati village is proposed with capital provision of Rs. 35.92 crore, considering 360 nos of PAF. The rehabilitation site is under construction near Udasa village on Umrer- Nagpur Highway.					
		Monitoring station is set up in this village for regular monitoring of ambient air and noise. Analysis results of the same for the month, Feb 2024 is given below:					
		HEOTI VILLAGE UM10A5					
		PARAMETERS (24 hourly values in µg/m ³) ENVIRONMENT CONDITIONS PR0_s PR0_s N0_2 SO2 ENVIRONMENT CONDITIONS FROM TO 5 2 6 10 (Sky/Wind) 04-02-2024 05-02-2024 72 22 6 BDL Clear / Calm 05-02-2024 12-02-2024 78 28 7 BDL Clear / Calm 11:02-2024 13-02-2024 76 26 6 BDL Clear / Calm 18:02-2024 19-02-2024 76 28 7 BDL Clear / Calm 19:02-2024 12-02-2024 76 26 6 BDL Clear / Calm 19:02-2024 19-02-2024 76 26 6 BDL Clear / Calm 19:02-2024 20-02-2024 76 26 6 BDL Clear / Calm					
		25-02-2024 26-02-2024 80 30 8 BDL Clear / Calm 26-02-2024 27-02-2024 72 22 6 BDL Clear / Calm NAAQS, 2009 100 60 80 80					

			HEOTI VILLAGE					
		MONTH	DATE OF SAMPLE	NOISE LEVEL IN dB(A)				
		MONTH	COLLECTION	DAY TIME	NIGHT TIME			
		555124	DETECTION LIMIT	20	20			
		FEB'24	07-02-2024 21-02-2024	46.8 46.8	42.3			
		FEB'24		40.0	42.8			
			ION (REGULATION AND ITROL) RULES	55	45			
		 Regular monitoring of Ground Water level is also of Hewati village for four times a year i.e. during pre-m (May), monsoon (August), post-monsoon (November winter (January). Till date, no depletion in ground wate has been recorded. Ground water monitoring reenclosed as Annexure: XVI. All blasting practices are carried out as per the permise Director General of Mines Safety (DGMS). Ground v study is conducted for nearby village and the result Peak Particle Velocity (PPV) within the permissible of the permise Director General of Mines Velocity (PPV) within the permissible of the p						
iv.	The Project Proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State	As per the baseline data there is no grazing land in the core zor of the project. So, there is no necessity of making alterna arrangement for livestock grazing.						
	Government to provide alternate areas for livestock grazing, if any. In this context, the Project Proponent shall implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land.							
(h)	Corporate Environment Responsibi	•						
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	 d Complied. Coal India Limited (CIL) has formulated a Corp Environment Policy in December 1995, which subsequently revised in 2012, 2018 and 2023. Corp Environment Policy 2023 has been approved by CIL Boa its 460th Meeting held on 29th December 2023 implementation at CIL and its subsidiaries. t This Corporate Environment Policy 2023 of CIL subsequently discussed in the 361st Meeting of the Boa Directors of WCL held on 24.02.2024. After deliberation f WCL Board has adopted the policy in principle implementation in WCL and the same was communi- 						
	the environmental or forest norms/conditions. Also the company shall have a defined system of reporting of non- compliances/violations of environmental norms to the Board of							

	Directors and/or shareholders or stakeholders.	vide Ref: WCL/Office of CS/BM-361/2023-24/1187 dated 06.03.2024.
		To deal with environmental issues and for ensuring compliance with environmental clearance conditions, At project level Environmental management cell is headed by Sub Area Manager and is assisted by Project Nodal officer (Env).
		At area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Op) and Nodal officer (Env).
		At corporate level at HQ, there is full-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.
		In this regard, it may be mentioned here that at the Company Level a Sustainable Development Cell has been set up with multi-disciplinary officials for pursuing sustainable mining integrating environmental, social and economic factors. This cell is being monitored at the level of Director of the Company and further monitoring is being also done by CIL and MOC at the highest level.
		Coal India Limited has framed an Environment Policy which is being complied within all the mines. Copy is enclosed as Annexure – XVII.
ii.	The project proponent shall comply with the provisions contained in this Ministry's OM dated 1 st May, 2018, as applicable, regarding Corporate Environment Responsibility.	Not applicable. As per the O.M dated 1st May 2018, the provision of CER is not applicable.
iii.	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 <u>www.westerncoal.in</u> .

iv.	A separate environmental	C	omplied.				
	management cell, both at the project level and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	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, Makardhokra Sub Area, Staff Officer (Civil), Umrer Area. At Project level, it is headed by Sub-Area Manager, Makardhokra Sub Area and assisted by Mine Manager, Makardhokra Sub Area; Safety Officer, Makardhokra Sub Area; Survey Officer, Makardhokra Sub Area and Nodal Officer (Environment) of the project.					
V.	Action plan for implementing the EMP and environmental clearance conditions shall be prepared and shall be duly approved by the competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not be diverted for any other purpose. Year wise	Being complied.The Action Plan for implementing EMP/EIA conditions are in built in the mining plan approved by Company Board.The funds earmarked for environment will not be diverted for other works.Expenditure incurred for Capital works are given below:					
	progress of implementation of action plan shall be reported to the Ministry		Financial Year	Expenditure (Rs. Lakhs)	Remarks		
	/ Regional Office along with the Six Monthly Compliance Report.			15.44	Construction of sedimentation tank		
			2016-17	30.99	Construction of Effluent Treatment plant and washing ramp		
				10.90	Construction of building for housing of CAAQMS		
			2017-18	26.47	Installation of fixed sprinklers for dust suppression including water reservoir, pipeline		
			2019-20	21.53	Providing and installation of fixed sprinklers for dust suppression including pipeline along coal stock		
			2021-22	2.58	Procurement and installation of Water flow meter		

			12.42	Installation of 02 nos of Piezometers with DWLR			
		2022-23	34.10	Procurement of one no of truck mounted Mist/Fog Generator			
			6.74	Procurement of 01 no of Trolley Mounted Mist/ Fog generator			
		2023-24	91.61	Providing and installation of 90 nos of fixed sprinklers for dust suppression including pipe line along coal transportation road.			
vi.	Self Environmental Audit shall be conducted annually. Every three years, a third-party environmental audit shall 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 shall be obtaining wildlife Clearance, if applicable from the Standing Committee of National Board for			no endangered flora/ fauna in core ne data generated for EIA/EMP.			

Wildlife.	
The Project Proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and water Act, 1974 from the concerned State Pollution Control Board.	Complied. Consent to establish along with consent to operate for 4.20 MTPA has been secured from MPCB vide letter no. Format1.0/CAC/UAN No.0000062939/CO-2002001040 dated 25/02/2020 which was valid till 31/03/2021 (Copy enclosed as Annexure-VI).
	Subsequently, Consent to operate has been renewed vide letter no. Format 1.0/CAC/UAN No. MPCB-CONSNET- 00001077252/CR/2211000598 dt 09/11/2022 (Copy enclosed as Annexure: VII).
	Consent to Establish for 4.5 MTPA has been secured vide letter no: Letter no. Format1.0/ CAC/ UAN No. MPCB- CONSENT-0000142418/ CE/ 2211001310 dt. 16/11/2022 (Copy enclosed as Annexure-II) and Consent to operate for 4.5 MTPA has been secured vide letter no. Format1.0/ CAC/ UAN No. MPCB- CONSNET-0000142515/ CO/ 2211001308 dt 16/11/2022, which was valid up to 31/03/2024 (Copy enclosed as Annexure-III).
	Subsequently, an application for the renewal of CTO has been submitted to Maharashtra Pollution Control Board (MPCB) vide UAN No. MPCB-CONSENT-0000195787 on 24.01.2024 which is under process at MPCB, Mumbai.
The project proponent shall obtain necessary permission of the Central Ground Water Authority (CGWA).	Complied. Obtained NOC from CGWA for abstracting Ground Water (NOC No. CGWA/NOC/MIN/ORIG/2019/5548) which was valid up to 09/06/2021. Copy of NOC is enclosed as Annexure – IX. Renewal application for NOC is submitted to CGWA.
	Renewal application is approved by CGWA and the formal NOC is awaited.
Monitoring of Project	
Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM ₁₀ , PM _{2.5} , SO ₂ , and NO _x . Location of the stations shall be decided based on the meteorological data, topographical	 Being complied. 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: Manager office Railway Weigh Bridge Pipardol Village
	The Project Proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and water Act, 1974 from the concerned State Pollution Control Board. The project proponent shall obtain necessary permission of the Central Ground Water Authority (CGWA). Monitoring of Project Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM ₁₀ , PM _{2.5} , SO ₂ , and NO _x . Location of the stations shall be decided based on the

ecologically	sensitive	targets	in
consultation v	with the SPO	CB.	

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. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. to be carried out at least once in six months. • Welsakara Village

Maximum and minimum concentration of parameters (SPM, PM_{10} , NO_X , SO_X and $PM_{2.5}$) as per Environmental monitoring report (from Oct 23 to Mar 24) is as follows:

Parameters	Core Zone/ Buffer	Permissible limit	Concentration (24 hourly values in µg/m ³)				
	Zone		Min	Max			
SPM	Core	600	235	280			
	Core	300	135	266			
PM10	Buffer	100	70	84			
DM	Core	-	36	54			
PM _{2.5}	Buffer	60	22	32			
NO	Core	120	11	14			
NO _x	Buffer	80	6	9			
50	Core	120	BDL	12			
SO_2	Buffer	80	BDL	BDL			

The Monitoring Report in respect of Makardhokra – III OCP is enclosed as Annexure-IV.

One Online Continuous Ambient Air Quality Monitoring Station has also been set up in consultation with MPCB and is in operation.

Monitoring of heavy metals is being carried out once in six months by CMPDIL. Analysis result of the same is given below:

	The Ambient Air Quality Monitoring	Copy o Annexu	Envir CM TEST REI NAME C No. of P SI. No. SI. SI. SI. SI. SI. SI. SI. SI. SI. SI.	QUIRED OURED FAREA FROICT PROICT PROICT PROICT SPES MANAGER OF PROICT MANAGER OF PROICT MANAGER OF PROICT MANAGER OF PROICT PARAMETER Parameter Arsenic, µg/m ³ Arsenic, µg/m ³ Nickle, µg/m ³ Lead, µg/m ³ Nickle, µg/m ³ Cotomium, µg/m ³ Mickle, µg/m ³ SCIENTIFIC SCIENTIFIC NEAVY XVIIII	Boratory AGPUR	CL(HQ), NAGPL (As, Pb, NI, Cr & i location GE Detection limit 0.0007 µg/m ² 0.007 µg/m ² 0.007 µg/m ² 0.0015 µg/m ³ 0.0005 µg/m ³	IR [2] In air san [2] In air san UM30A-1 BDL BDL BDL BDL BDL	UM30A-2 BDL BDL BDL BDL BDL BDL	4185) contion Code UM300-A UM300-A UM300-A UM300-A UM300-A UM300-A UM300-A UM300-A UM300-A BDL BDL BDL BDL BDL BDL BDL BDL	SSUE ESCRIPTION METHOD: ISOP 4 PUNN: IGR 47 21:04:2023 20:04:2023 21:04:2023	losed as
	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 CPCB/SPCB.	 Being complied. Ambient air quality is being monitored as per the coal industry standards notified vide GSR 742(E) dated 25.9.2000 & reports are submitted to MOEF & CC Nagpur & Maharashtra Pollution Control Board. Copy of Monitoring Report is enclosed as Annexure - IV. Monitoring of heavy metals is being carried out once in six months by CMPDIL and the report of the same is submitted to MOEF & CC Nagpur & Maharashtra Pollution Control Board. Copy of heavy metal monitoring report is enclosed as Annexure - IV. 									
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.	The quality of mine discharge water is monitored fortnightly basis as per GSR 742(E) of dated 25-05-2000. Maximum and minimum concentration of Water parameters as per Environmental monitoring report (from Oct 2023 to Mar 2024) is as follower:								meters as	

		1								
			Ph	5.5 to 9.0	7.79	8.23				
			TSS	100	18	28				
			COD	250	28	40				
			O & G	10	BI	DL				
		Copy of Monitoring Report is enclosed as Annexure - IV.								
	The monitoring data shall be updated	Being complied.								
iv.	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	Environment monitoring reports are being sent to R.O, MoEF, Nagpur and MPCB on regular basis and the same is being displayed on the company website also.								
	Ministry of Environment, Forest and Climate Change shall also be	٢	HOME ABOUT DEDADT	Western Coalfields Limite A Miritatha Company A Subsidiary of Coal India Limited		AND				
	referred in this regard for its compliance.	ENVIRONM Departments + Envi ULY-2023 ULY-2023 ULY-2023 APRIL-2023 APRIL-2023 FEBRUARY-2023 JANUARY-2023 DECEMBER-2022	rome Addot Desvirt							
		Reports enclosed as Annexure-IV.								
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 and constructing new piezometers during the mining operations. The monitoring of groundwater levels shall be carried out four times in a year i.e, pre- monsoon, monsoon, post-monsoon 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 Environment, Forest and Climate Change / Regional Office.	 Being complied. Regular monitoring of ground water level from existing well at 27 locations of Buffer zone is being done for four times year i.e. during pre-monsoon (May), monsoon (August), post monsoon (November), and winter (January). Quality of groundwater as per IS: 10500: 2012 is analyzed for 27 locations in Buffer zone once a year. Ground water level and quality monitoring report is sent the R.O., MoEF& CC, Nagpur and CGWA on regular basis. Ground water monitoring report is enclosed as Annexure XVI. In compliance with the condition stipulated in the NOC for ground water abstraction issued by CGWA, 2 nos of piezometers are installed in core zone for continuous monitoring of ground water level. 								

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.	Being complied. Water quality of Amb river is monitored regularly as per 742(E) of dated 25-05-2000 and report is sent to Ministr Environment, Forest and Climate Change / Regional O along with the EC compliance report. Analysis result o same is given below:								
Change / Regional Office.									
	Environment Laboratory Test Rep CMPDI RI-IV, NAGPUR Surface water quality m					1			
	TEST REPORT NO. RIN/TR/DEC-23/SW29 NAME OF CUSTOMER GM(ENV.), WCL(HQ), NAGPUR NAME OF AREA UMRER		/SW29		DATE OF ISSUE	30-12-23			
			GM(ENV.), WCL UMRER	CL(HQ), NAGPUR		SAMPLE DESCRIPTION SAMPLING METHOD: LSOP 5	WATER SAMPLE		
		F PROJECT	UMRER OC				1		
	NO. OF P	AGES	1						
	NAM	E OF LOCATION	LOCATION: UP STREAM OF AMB RIVER WRT MINE DISCHARGE			SAMPLING DATE	03-10-23		
	SL. NO.	PARA	METER	TEST METHOD	DETECTION	ANALYSIS	RESULT		
	1	1 pH Value		IS 3025 Part-11 Electrometric Method: 2017	2	7.9	3		
	2	Colour	(Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	2	8		
	3	TDS	-mg/l	IS 3025 Part-16 Gravimetric Method: 2017 IS 3025 (Part 39): 1991 (RA	25	34	D		
	4	Oil & Gre	ese - mg/l	2003) Partition gravimetric Method	2	BD	L		
	5	Dissolved O	xygen - mg/l	IS 3025 (Part-38):1989 (RA 2003) Winkler Azide Method	0.1	4.6	3		
	6	B.O.D. (3 days	at 27°C) - mg/l	IS 3025 Part 44 : 1993 (RA 2014)	2	5.1			
	7			APHA, 23rd Edition 3114 C AAS-VGA Method:2017 APHA, 23rd Edition 3113 B	0.005	BD			
	8			AAS GTA Method:2017 APHA, 23rd Edition 3500-Cr B	0.005	BD			
	9			Colorimetric Method: 2017 IS 3025 Part-42 AAS Flame	0.01	BD			
	10	10 Copper (as Cu) -mg/l 11 Zinc as (Zn) -mg/l 12 Selenium (Se) -mg/l 13 Cadmium as (Cd)- mg/l		Method :2014 IS 3025 Part-49 AAS Flame	0.03	BD			
	10.20			Method:2014 APHA, 23rd Edition 3114 C	0.01	BD			
				AAS-VGA Method:2017 APHA, 23rd Edition 3113 B	0.0005	BD			
	14		as F)- mg/l	AAS GTA Method:2017 APHA, 23rd Edition 4500-F D	0.02	0.35			
	15	0.000	Fe) -mg/l	SPADNS Method: 2017 IS 3025 Part-53 AAS Flame Method:2014	0.06	BD	L		
	16	Nitrate Nit	rogen - mg/l	APHA, 23rd Edition 4500-NO ³ B UV Spectrophotometric Method: 2017	0.5	2.66	35		
	17	Sulphate (a	s SO4 ⁻²) -mg/l	APHA (23rd Edition) 4500E Turbidimetric Method:2017	2	60			
	18	Chlorides (as CI')- mg/I	IS 3025 Part-32 1988 Argentometric Method:2014	2	32			
						BDL: BELOW DETER	CTION LIMIT		
		×				R			
		Lunes					ANSHU SAHU		
		ASSISTANT	AUTHORIZED SIGNATORY			RIZED SIGNATORY			
	This Report refers to the values related to the items toted. This Report cannot be reproduced in part or full without written permission of the management.								

			vironment La MPDI RI-IV, N		Test Rep Surface water quality		g data	
		NAME C	PORT NO. OF CUSTOMER	RIN/TR/DEC-23, GM(ENV.), WCL			DATE OF ISSUE SAMPLE DESCRIPTION	30-12-23 WATER SAMPLE
		NAME C NAME C NO. OF	F PROJECT	UMRER UMRER OC			SAMPLING METHOD: LSOP 5	
			VE OF LOCATION	DOWN STREAM	DF AMB RIVER WRT MINE DISCHAR	RGE	SAMPLING DATE	: 03-10-23
		SL. NO.	PARA	METER	TEST METHOD	DETECTION	ANALYSIS	RESULT
		1	рн	/alue	IS 3025 Part-11 Electrometric Method: 2017	2	7.8	3
		2	Colour	(Hazen)	IS 3025 Part-4 Pt-Co Method: 2017	1	3	
		3	TDS	-mg/l	IS 3025 Part-16 Gravimetric Method: 2017	25	51	0
		4	Oil & Gre	ese - mg/l	IS 3025 (Part 39): 1991 (RA 2003) Partition gravimetric	2	BD	L
		5	Dissolved O	xygen - mg/l	Method IS 3025 (Part-38):1989 (RA 2003)	0.1	4.3	3
		6		at 27°C) - mg/l	Winkler Azide Method IS 3025 Part 44 : 1993 (RA 2014)	2	8	
		7	Arsenic	As)-mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017	0.005	BD	L
		8	Lead as	Pb) -mg/l	APHA, 23rd Edition 3113 B AAS GTA Method:2017	0.005	BD	L
		9	Hexavalent C	nromium -mg/l	APHA, 23rd Edition 3500-Cr B Colorimetric Method: 2017	0.01	BD	L
		10	Copper (a	s Cu) -mg/l	IS 3025 Part-42 AAS Flame Method :2014	0.03	BD	L
		11	Zinc as (Zn) -mg/l	IS 3025 Part-49 AAS Flame Method:2014	0.01	BD	L
		12		(Se) -mg/l	APHA, 23rd Edition 3114 C AAS-VGA Method:2017 APHA, 23rd Edition 3113 B	0.005	BD	
		13		s (Cd)- mg/l	AAS GTA Method:2017 APHA, 23rd Edition 4500-F D	0.0005	BD 0.42	
		14		as F')- mg/l Fe) -mg/l	SPADNS Method: 2017 IS 3025 Part-53 AAS Flame	0.02	BD	
		16	Nitrate Nit	ogen - mg/l	Method:2014 APHA, 23rd Edition 4500-NO ³ B UV Spectrophotometric Method:	0.5	2.09	98
		17	Sulphate (a	s04 ⁻²) -mg/l	2017 APHA (23rd Edition) 4500E Turbidimetric Method:2017 IS 3025 Part-32 1988	2	12	7
		18	Chlorides (as Cl [°])- mg/l	Argentometric Method:2014	2	52	
							BDL: BELOW DETER	
				int				ANSHU SAHU
		1	Constant Sections	ASSISTANT	items tested		AUTHOP	RIZED SIGNATORY
		2			ull without written permission of the manage	ment		
			of the exure: X		e water monit	toring	report is e	nclosed as
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.	Six m stipu Regie Clim The s 2023	lated en onal of ate Cha six-mon	reports vironmo fice of nge. thly rep	on the status of ental safeguard Ministry of port for the per to MoEF&	ds are Envi	submitted r ironment, 1 rom April 2	egularly to Forest and 023 to Sep

viii.	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.	Noted.
	M: D	
(k) i.	Miscellaneous Efforts should be made to reduce	Complied
1.	energy consumption by conservation, efficiency improvements and use of renewable energy.	Complied. Efforts are being made for the uses of Solar energy and conventional light 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.
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 concerned Panchayat. A copy of the same shall also be sent to the concerned State Pollution Control Board, Regional office, District Industry sector and Collector's office/Tehsildar Office for information in public domain within 30 days.	Complied. A copy of Environmental Clearance letter for 4.2 MTPA has marked to concerned Panchayat vide letter no. WCL/ SAM/ MKD/Asst. Manager (C)/ 2018-19/ 397 dated 05/02/19.

			CAN (
		to concerned Panchayat vide letter no. WCL/			
		MKD/Asst. Manager (C)/ 2022-23/249 dated 05/07/2022	2.		
		WESTERN COALFIELDS LIMITED			
		OFFICE OF THE SUB AREA MANAGER CIVIL ENGINEERING DEPARTMENT			
		MAKARDHOKDA SUB AREA UMRER AREA			
		POST:UMRER, DIST:NAGPUR 441203			
		Ref: WCL/SAM/MKD/Astt.Manager(c)/2022-23/ 22/ 9			
		то,			
		The Sarpanch, Grampanchayat Hewati,			
		Taluka: Umrer, Dist. Nagpur.			
		Sub :- Environment clearance for expansion of Dinesh (Makardh mining project for increase in production capacity from 4.2 MTP			
		area of 919.63 Ha by M/s Western Coalfields Limited in Distt. Nag			
		Dear Sir,			
		Please find enclosed herewith a copy of Environment			
		information.			
		Y			
		· · · · ·			
		Copy enclosed as Annexure – XX.			
iv.	The Environmental Clearance shall	Complied.			
	be uploaded on the company's	The clearance letter and the six-monthly compliance report			
	website. The, compliance status of				
	the stipulated EC conditions shall	had been uploaded on the company's website so as to	bring		
	-	the same in the public domain.			
	also be uploaded by the project	A- A A+ SCREEN READER SKIP TO MAIN CONTENT 🐚 🔂 Search	Q		
	authorities on their website and	Western Coolfields Limited			
	updated at least once every six	A Subsidiary of Coal India Limited			
	months so as to bring the same in	HOME ABOUT DEPARTMENTS VIGILANCE RTI EMPLOYEE AUCTIONS CAREER CORPORATE CO	DMMUNICATION		
	public domain.	ENVIRONMENTAL CLEARANCE			
	public domain.	Departments + Environment + Environmental Clearance			
		Expr. of MaKARDHOKARA-I OC 4.2 MTPA			
		Expir. of Singhori OCM			
		Expn. of Dinesh (Makardhokra-III) OCM			
		Pauni OC Amendment			
		Expn.of Gauri-Pauni OC			
		A. A A+ SCREEN READER SKIP TO MAIN CONTENT TO READ Search			
			Q.		
		A Minitata Company A Subadiary of Coal India Limited			
		HOME ABOUT DEPARTMENTS VIGILANCE RTI EMPLOYEE AUCTIONS CAREER CORPORATE COMMUL			
		COMPLIANCE REPORT			
		Departments + Environment + Compliance Report			
		alf yearly compliance reports for the period of April'2023-September'2023 Environmental clearances of respective projects of WCL			
		Umrer Area Dinesh (Makardhokra III) OC	View		
		Dinesh (Makardhokra III) OC Gokul OC	View		
		Makardhokra I OC	View		
		Makardhokra II OC MURPAR UG	View		
		MURPAR UG Umrer OC	View		
1					

i.	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 this clearance, informing that the project has been accorded environmental clearance and a copy of the same is available with the State Pollution Control Board and also at website of the Ministry.	 The same had been done after receipt of EC. Advertisements are given in the following News Papers: 1. 'The Hitavada' (English daily,Nagpur) dated 19/12/2018 Western Coalfields Limited (A Subsidiary of Coal India Ltd.) NOTICE Environment Clearance has been accorded for Expansion of Dinesh (Makardhokra-III) OC Mine (From 3.00 MTPA to 4.2 MTPA in a area of 919.63 ha) under Umrer Area of M/s Western Coalfields Limited, by Ministry of Environment & forests vide letter in out-11015/537/2008-IA.II (M) dated 29/11/2018. and a conv of the clearance letter is available with the
		 'Lokmat' (Marathi daily, Nagpur) dated 19/12/2018 'Ater a bielbrest efiltéseur ette a ult até uter a serie de terme a serie de ter
		 (कोल इंडिया लिमिटेडचा एक) कोल इंग्रेट, मिदिल लाईन, नापएर 440001 महागष्ट, भगत. सूरचना बेस्टर्न कोलफील्ड्स लिमिटेडच्या नागपुर क्षेत्राअंतर्गत विस्तारित विस्ताराच्या (उत्पादन क्षमता 1.12 मिलियन टन प्रति.वर्ष ते व खनन लीज क्षेत्र 423,91 है.) पर्यावरण स्विकृती ही पर्यावर मंत्रालयाद्वारे पत्र क्रमांक J-11015/67/2006-IA.II(M) दिनां स्वाक्षरी दिनांक 25.05,2022 मंत्रालयाच्या कार्यालयीन निवेदन IA.III दिनांक 07.05.2022 अनुसार पर्यावरण स्विकृती दिली पत्राच्या प्रत पर्यावरण, वन व जलवायु परिवर्तन मंत्रालयाच्या माष्ठु शकता- http://environmentclearance.nic.in. बेस्टर्न कोलफील्ड्स लिमिटेडच्या उमरेड क्षेत्राअंतर्गत विस्तारित खुली. खाण प्रकल्प विस्ताराच्या (उत्पादन क्षमता 4.20 मिरि 4. 'The Times of India' (English daily,Nagpur) date
		4. 'The Times of India' (English daily,Nagpur) date 31/05/2022

		WESTERN COALFIELDS L (A Subsidiary of Coal India Lim coal Estate, Civil Line, Nagpur-440001, Maharashtra, India NOTICE Environmental Clearance has been accorded for Opencast coal mining project of Nagpur Area fro MTPA in a mine lease area of 423.91 ha by Min Forests & Climate Change vide letter no. J-1 dated 23.05.2022 digitally signed on 25.05.20 IA3-22/10/2022-IA.III dated 07.05.2022 and a copy may also be seen at website of the Ministry of E Climate Change (MoEF&CC) at http://environme Environmental Clearance has been accorded for (Makardhokra-III) Opencast coal mining project o (Copy enclosed as annexure-XXI)
ii.	The Environmental Statement for	Complied.
	each financial year ending 31 March in Form-V is mandated to be submitted by the Project Proponent 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 shall be sent to the respective Regional Offices of the MoEF&CC by e-mail. Concerns raised during public hearing	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 to MPCB on 28/09/2023. (Copy Enclosed as Annexure-XXII).
		Sr UAN No. Application Name Submitted Date Action No.
		1 MPCB-ENVIRONMENT_STATEMENT-0000006563 ENVIRONMENT 28-09-2017 Download STATEMENT
		2 MPCB-ENVIRONMENT_STATEMENT-0000011198 ENVIRONMENT 14-09-2018 Download STATEMENT
		3 MPCB-ENVIRONMENT_STATEMENT-0000019653 ENVIRONMENT 25-09-2019 Download STATEMENT
		4 MPCB-ENVIRONMENT_STATEMENT-0000027850 ENVIRONMENT 26-09-2020 Download STATEMENT Download
		5 MPCB-ENVIRONMENT_STATEMENT-0000028350 ENVIRONMENT 28-09-2020 Download STATEMENT
		6 MPCB-ENVIRONMENT_STATEMENT-0000037477 ENVIRONMENT 28-09-2021 Download STATEMENT
		7 MPCB-ENVIRONMENT_STATEMENT-0000048233 ENVIRONMENT 28-09-2022 Download STATEMENT
		8 MPCB-ENVIRONMENT_STATEMENT-00000060620 ENVIRONMENT 28-09-2023 Download Audit report for the FY 2023-24 will be submitted on or before

		30/00/2024 as per the norms
		30/09/2024 as per the norms.
iii.	The above conditions will be enforced inter-alia, under the provisions of the Water (Preventions & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 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/ Hon'ble High Court and any other Court of	Noted & agreed.
5	Law relating to the subject matter. The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues mixed during public hearing	Agreed.
	issues raised during public hearing shall also be implemented in letter and spirit.	
6	The proponent shall obtain all necessary clearances clearances/ approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection.	All the necessary clearances and approvals from the Central and state authorities has been secured.
7	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.	Noted and agreed.
8	The coal company/ project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2 nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No. 114/2014 in the matter of 'Common	Noted. All mining activities are being carried out within the mine lease area and till date no illegal mining is being carried out.

	Cause Vs Union of India & others.	I management of the second
9	The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgement of	
10	Hon'ble Supreme Court This environmental clearance shall not be operational till such time the project proponent complies with the above said judgement of Hon'ble Supreme Court.	Noted. Till date, no notice for the payment of environmental
11	This issues in supersession of the earlier EC granted vide letter No- J-11015/537/2008-IA. II (M) dated 21 st June, 2011.	Noted.

Sub Area Manager Makardhokra-III OC Mine Makardhokra Sub Area

Colliery Manager Makardhokra-III OC Mine Makardhokra Sub Area

Asst. Manager (Env.) Makardhokra-III OC Mine Makardhokra Sub Area

A report on the Status of Compliances of various conditions stipulated in Environment Clearance granted by MOEF&CC vide letter no. J-11015/537/2018-IA-II (M) dated 29.11.2018 for Expansion of Dinesh (Makardhokra-III) Opencast Coal mining project from 3.0 MTPA to 4.2 MTPA in mine lease area of 919.63 Ha of M/s Western Coalfields Limited located in the village Hevti, Tehsil Umrer, District Nagpur (Maharashtra)

SI. No.	Conditions as per EC dated 29.11.2018	Compliance status as on 30.09.2022	
А.	Specific Conditions:		
Consent to establish from the support of pollution control boards for proposed peak capacity of	The Project proponent shall obtain Consent to establish from the state pollution control boards for the proposed peak capacity of 4.2 MTPA prior to commencement of the increased production.	Complied Environmental Clearance has been secured for Expansion of Dinesh (Makardhokra-III) Opencast Project for the production capacity of 4.20 MTPA in land area of 919.63 ha, vide MoEF & CC letter no. F. no. J-11015/537/2008-IA-II (M) dated 29/11/2018. Copy enclosed as (Annexure-I).	
		Consent to establish along with consent to operate for 4.20 MTPA has been secured from MPCB vide letter no. Format1.0/CAC/UAN No.0000062939/CO-2002001040 dated 25/02/2020 which was valid till 31/03/2021. Copy enclosed as (Annexure-II).	
		Renewal application for consent to operate for production capacity of 4.20 MTPA was submitted to MPCB through its online portal vide dated 27/01/2021. Consent is approved in the 7 th Consent Appraisal Committee (CAC) meeting held on 14/09/2022 which is valid upto 31/03/2024. Minutes of the meeting is enclosed as (Annexure-III).	
		Environmental clearance for the increase in the production capacity from 4.2 MTPA to 4.5 MTPA (MOEF OM No. J-11015/537/2008-IA. II (M) dated 26/05/2022) has been secured as per the provisions of OM vide no F. NO.IA3-22/10/2022-IA.III dated 07/05/2022. Copy Enclosed as (Annexure-IV).	
		Subsequently, Application for the Consent to Establish (CTE) and Consent to operate (CTO) for production capacity of 4.50 MTPA was submitted to MPCB through its online portal. This application is under process at MPCB, Mumbai.	

ii. iii.	Transportation of coal from face to coal heap shall be carried out by tippers. Further, the coal transportation from coal heap to Coal Handling Plant shall be carried out through covered trucks. To control the production of dust at source, the crusher and in-pit belt conveyors shall be provided with mist type sprinklers.	In order to control generation of dust at source, Mist Spray Arrangement system (150 nos nozzles) is provided at Coal Handling Plant. 10 nos of fixed water sprinklers are provided at CHP for dust suppression. In addition, 03 nos of Trolley mounted mist/fog
iv.	Mitigative measures shall be undertaken to control dust and other fugitive emissions all along the roads by providing sufficient number of water sprinklers. Adequate corrective measures shall be undertaken to control dust emissions as presented before the Committee, which would include mechanized sweeping, water sprinkling/mist spraying on haul roads and loading sites, long range misting/fogging arrangement, wind barrier wall and vertical greenery system, green belt, dust suppression arrangement at railway siding etc.	 generator are provided at CHP. Proposal for procurement of additional 09 nos of Trolley mounted mist/fog generator is also initiated. Complied Fugitive dust emissions from all the dust generating sources are controlled by Fixed Water Sprinklers along weigh bridge, approach road & coal transportation road. Rain guns are provided at railway siding and Mist spray arrangement is provided at all transfer points of CHP to prevent the dust formation. In addition to fixed water sprinklers & rain guns, trolley mounted mist/fog generator; Mobile Water tanker/sprinkler are used in all three shifts for dust suppression at approach roads, haul roads, coal transportation roads and coal stock yard. The Fugitive dust is also monitored regularly and is kept under control. Details of Air pollution control measures installed: Automatic tyre washing system is installed at main check post of Umrer Area.

		 4 No. of mobile water tankers and 2 nos of 10 KL Capacity are 90 nos. fixed sprinklers are in transportation road, railway sin and CHP, details are as follows: Location CHP Siding Along Coal stock approach Road and Weigh bridge Along coal transportation road and Coal Stock Yard Mist Spray Arrangement system is provided at CHP. One no of trolley mounted min provided One no of truck mounted operation. 	e in operation. nstalled along coal ding, weigh bridge Nos. of fixed sprinklers 10 44 12 24 n (150 nos nozzles) ist/fog generator is			
V.	The company shall obtain approval of CGWA for use of groundwater for mining operations at its enhanced capacity of 4.2 MTPA.	-				
vi.	Continuous monitoring of	Complied				
VI.	continuous monitoring of occupational safety and other health hazards, and the corrective actions need to be ensured.	For surveillance of occupation workers, PME is carried out cor employee once in three year w detecting and keeping records specific importance of Coal Worke This is covered under Statute.	npulsorily for each ith the purpose of of diseases with			
		Moreover, for every new emploin Examination (IME) is also can departmental and contractual em- provisions of the statute.	ried out for both			
		During PME, the candidates complete clinical examination (in vision and hearing) radiological ex and routine examination of blood ar	ncluding acuity of amination of chest			

	All the activities wi complying safety a created among en avoid any acciden projects are provide helmets and protect Various national an to increase awa population (e.g. No World AIDS day, W	aspect and regula ployees regarding ts. All the employ ed with PPE like r ive shoes. d International Da reness and ed Tobacco Day/ No	ar awareness is g safety and to yees working in mask, ear muffs, ys are observed ducate general o Smoking Day,
	Regular Family We help of State Govt. State Govt. for Pu facilities are being sorts of acute emerge	elfare Camps org Full Co-operatior ulse Polio immun extended to non-e	anized with the is extended to ization. Medical
	 (Occupational H No. of Doctor Examination: 1 No. of Doctor Examination: 2 	cal Examination (F ealth Centres) engaged in Per trained in Per achines (500 mA): ests: 1 er units: 1 er units: 1 Labs: 1 chnicians: 1 y Technicians: 1 above details tha is having all th	PME) Centres: 1 riodical Medical iodical Medical 1 1 t Area Hospital, e infrastructural tory obligations
	Details of IME/PMI below:	E done in last 3	years are given
	Year	No. of workers (I IME	Dept. & Cont.) PME
	2020-21	120	52
	2021-22	186	68
	2022-23		
	(Till date)	290	51
Copy of medical examination reports are enclosed			
	(Annexure-VI).		· · · · · · · · · · · · · · · · · · ·

vii.	Persons of nearby villages shall be	Complied			
	given training on livelihood and skill	Skill developn	nent trainings are beir	ng conducted in the	
	development to make them		llso in the Group VTC	-	
	employable.	livelihood ar	d self-employment.	Details of Skill	
		Development	ws:		
		Year	Training Programs	Deneficiaries	
		2016-17	Apparel designing, Bea parlor and Electrician	auty 85	
		2017-18	Office automation and Data entry operator	26	
		2018-19	Tailoring and Apparel designing	60	
		2019-20	Beauty parlor, Tailoring and Apparel designing	240	
		2020-21	Not conducted due to	Nil	
		2021-22	restrictions imposed by the Govt in Covid 19 Pandemic period		
		2022-23 (Till date)	Machine operator, drive Footwear design and Tailoring	er, 39	
viii.	To ensure health and welfare of nearby villages, regular medical camps shall be organized at least		ented to condition.		
	once in six months.	Medical camps are organized on regular bas WCL, Umrer Area.			
		Details of medical camps conducted in last 5 year			
		given below:			
		Year	No. of Medical	No. of	
		2018-19	camps 57	Beneficiaries 4691	
		2018-19	34	1878	
		2020-21	3*	90	
		2021-22	27	1849	
		2022-23	24	1504	
		(Till date)	21	1564	
		*Due to Covid	d 19 pandemic, med	ical camps couldn't	
			during lockdown per		
		+	onducted for nearby ood donation camp w		
		-	Covid-19 Pandemic e taken to support Sta ers.		

r			
		WCL Umror Area initiatives during COVID-19	
		Period of Support - 2020-21, 2021-22	
		A. Support to State Government	1
		SNo. Particular Remark	
		1 Providing 5 0IPAP machine to State administration State Govt hospital;	limrer
		BiPAP - bi-level positive airway pressure and Kuhi	onner
		Ihis machine is used for supporting breathing for	
		patients whose kings are not operating efficiently	
		2 1) 2 nos. oxygen concentrator machine Chimur tehsil office	for ·
		2) 200 PPE kits support to setting u	
		3) 25 hospital bed and mattress Care Centre(CCC fac	ility)
		The second s	
		8. Support to nearby communities	
		S No Particular Count of packets	
		1 Ration packets 852	
		2 Food Packets 4750	
			-
		C. Support to ZP Schools	
		SNo. Particular Amount	
		1 No. of schools supported 11	
		2 Mask and Sanitizor to Students 1040	
		3 Pulse Oximeter, Thermal Gun, Soap, Sodium Provided to administ Hypochlorite, Sanitisor bottle maintaining covid-19 p	
		D. Support for COVID-19 testing and vaccination	
		S No. Particular Nos.	
		1 Testing for Covid-19 at WCL premises 3317	
		2 Vaccination administered at WCL premises 1671	
an an		E. Fund transfer from WCL Univer employees to PM-Cares fund All the employees of Univer Area contributed one day Basic salary to PM-Cares fund amounting to Rs. 34.31 Lakh. Total Amount expensed by WCL Univer Area for Covid-19 Support SNo. Particular Amount[Rs]	
		1 Total of A+B+C+E 47,23 Lakh	
		In addition to this, a seminar and medical c	amos on
		Cardiac issues and cervical spondyliti	s were
		conducted on 17/08/2022 in collaborati	
		Wockhardt Hospital Nagpur for providing av	vareness
		on the topic which was opened for employees	of WCL
		and all villagers. Around 183 persons were av	alled the
		facility.	
		A Cancer detection camp was also organized	with the
		support of Rashtrasant Tukdoji Cancer	Hospital
		Nagpur on 27.09.2022. This camp was als	
		opened for villagers and Employees of	
		coordination with govt. PHC, patients from	n 5 sub
		centres in our command area were ferrie	
		ambulances for giving access to this medica	
		to villagers. Asha workers of these villages we	ere roped
		in supporting this initiative. Overall 87 perso	
	1		

		screened for oral,	breast and cervix cancer.	
		OPD facility is als	so provided for surrounding villages.	
		-	s are mentioned below:	
		Year No. of Beneficiaries who availed OPD facility		
		2018-19	2499	
		2019-20	2691	
		2020-21	1587	
		2021-22	2890	
		2022-23	1377	
		(Till date)		
ix.	Thick green belt of adequate width	Being Complied.	· · · · · · · · · · · · · · · · · · ·	
	at the final boundary in the down	The mine has sta	arted its operation on 25/11/2016. In	
	wind direction of the project site		of trees have been planted through	
	shall be developed to		Van Vikas Nigam over 2.00 ha and	
	mitigate/check the dust pollution.	•	nos of trees have been planted over	
			pecies planted are Neem, Karanj,	
		-	Gulmohar, Saptapanni, etc.	
		Further on, as proposed in the EMP, plantation will b done on external OB clumps, backfilled area, alon road sides, vacant land and township by plantin native species in consultation with State Fore		
		at 2500 plants per	sity of the plants will be maintained r ha.	
Х.	Efforts shall be made for utilizing	Being Complied.		
	alternate source of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.	Mine discharge water is the primary source of water fo		
		Domestic requirer tube well in Umre	nent of water is fulfilled by 02 nos. of r Colony.	
		used for industri	ter and water from bore well is being al and domestic purpose and thus pendability on a single source.	
xi.	A third-party assessment of EC	Complied		
	compliance shall be undertaken once in three years through agency like ICFRI/NEERI/IIT or any other	Third party asse carried out once i	essment of EC compliance will be n three years.	

	expert agency identified by the Ministry.	Last third part assessment of EC compliance has been undertaken through CSIR-NEERI (Expert Agency identified by Ministry). Inspection was carried out on 18/11/2021 in which no non-compliances were observed.
В.	General Conditions:	
(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.	Complied Mining is being carried out as per the provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.
ii.	No change in mining method, Calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change.	PP has consented to condition. Method of mining is opencast with shovel-dumper combination. There has been no change in scope of work and production programme beyond EC/ approved Mining Plan. No change in technology, mining method, calendar programme and scope of working will be made without prior approval of the MOEF&CC.
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).	PP has consented to condition. Mining is being carried out as per the provisions outlined in approved mining plan as well as by abiding to the relevant laws related to coal mining and the circulars issued by Directorate General Mines Safety (DGMS).
İV.	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.	PP has consented to condition. Project does not involve any forest land. However, In future also, no mining activity will be carried out in forest land without obtaining Forestry Clearance.
(b)	Land Reclamation and Water Cons	servation
i.	Digital survey of entire lease hold area/ core zone using Satellite	Complied.
	Remote sensing survey shall be carried out at least once in three	Digital processing of the entire lease area using Remote sensing technique is done every year by

	for monitoring land was	CMPDIL.
	years for monitoring land use pattern and report in 1:50,000 scale shall be submitted to Ministry of Environment, Forest and Climate Change/ Regional Office (RO).	Reports of which are available on WCL website. The same is submitted to MOEF&CC/ RO on regular basis. Land Restoration / Reclamation monitoring report of Dinesh OC mine based on satellite data for the year 2021 is enclosed as (Annexure-VII).
ii.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations, considering the presence of any 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.	Complied. There is only one seasonal nallah (Amb Nallah) flowing through the mine lease. The surface drainage plan considering the presence of this nallah is prepared and implemented. The embankment is constructed along the Amb nallah (at the south side of nallah), as per the provision of approved Mining Plan. The height of the embankment provided to protect the mine along its boundary has been kept 6.00 meters above the HFL of the nallah. The Top width of embankment has been kept 34.00 m which is sufficient to protect the mine from peak flow of the nallah. Mining is being carried out as per the approved Mining Plan/EIA/EMP report and all precautions are being taken for avoiding any adverse impact on surface drainage as envisaged in the approved reports.
UI.	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40m, adequate engineering interventions shall be provided for sustenance of adequate 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 purpose and shall be handled over to the respective state govt. as specified in the guidelines for preparation of mine closure plan issued by the MOC dated 27.08.2009 and subsequent amendments.	 Being Complied. Final mine void depth is 144.50 m (after Phase-II), as per approved Mining plan. As it exceeds more than 40 m, suitable engineering interventions will be provided for sustenance. The backfilled quarry will be reclaimed with plantation as per EMP in consultation with State Forest Department. Density of the plants will be maintained at 2500 plants per ha. The proposed water body of 152 ha of decoaled void will be gently sloped and upper benches shall be terraced and stabilized with plantation. Post Mining activities will be taken up according to the approved Mine Plan/EIA/EMP. The mine closure plan is the integral part of approved mining plan/EIA/EMP as per the guidelines issued by MOC and being followed up.

iv.	The entire excavated area,	Being Complied.		
	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	All the mining work is being conduct Approved Mining Plan and shall be contin Progressive compliance status of land us submitted regularly to the Ministry of E Forest and climate change/ Regional Office Six Monthly compliance Report.	ued. se pattern is Environment,	
	status vis-a-vis the post mining land use pattern shall be submitted to	Land Use Plan During Mining (as on 31/03	3/2022) Area in	
	the Ministry of Environment, Forest and climate change/ Regional Office on six monthly basis.	No.Particulars1Quarry Area (Excavation area)2External OB dumps3Rationalization/ Blasting zone4Infrastructure & Roads5Other area	Ha 143.788 99.00 329.22 7.77 339.852	
		Total	919.63	
V. 	The top soil shall temporarily be stored at earmarked site(s) only and shall not be kept unutilized for long. 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 mine has started its operation on 25/11/201 Dumping of top soil is in progress at earmarked site the western side of the quarry with proper slope. 31/03/2022, 6.86 Mm ³ of top soil has been stacked 134.75 Ha of land. This soil will be used as early as possible f		
	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 Ministry of Environment, Forest and Climate Change/ Regional Office on six monthly basis.	 This soil will be used as early as possible reclamation and development of green belt. OB generated is stored in external OB dump not and 2 of slope not exceeding 28° in ML area. All dumps are active. The reclamation of dump sites with plantation us native species will start only after the dumps get active, as directed the reclamation will be continuated the same are self-sustaining and report will submitted accordingly. The maximum height, final slope with benches etch be reached in due course of operation. As plane 		
		Till 31/03/2022, 67.72 Mm ³ of OB excavated. 62.55 Mm ³ of excavated O		

		stacked at externa Details of OB dum			
		Dump	Area in	n Ha	Height of Dump (m)
		External OB (Dump 2)	101.7	' 45	54
		External OB (Dump 3)	96.6	8	45
		Till 31/03/2022, 5 been backfilled in			
(c)	Emissions, Effluents, and Waste D	isposal			
i.	Transporting of coal, to the extent	Being Complied.			
	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 PM ₁₀ /PM _{2.5}) 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.	transportation roa siding and Mist s transfer points of (In addition to f Trolley mounted tankers / Sprink dust suppression transportation r	nd trucks la tarpaulin. At prese alled at m otages all re also dep r all the erly covere ssions fror trolled by oridge, ap d. Rain gu pray arran CHP to pre ixed water l fogging o lers are u n at approa oads and	eaving th It is er ent four ain chec re regul bloyed at trucks le ed or not. m all the Fixed N oproach ns are pr gement vent the cannons sed in a ch roads coal s	e mine premises nsured by using nos of CCTV k post of Umrer larly monitored. main check post eaving the mine dust generating Water Sprinklers road & coal rovided at railway is provided at all
		 main check period 4 No. of mobility and 2 nos of 2 90 nos. fixed 	re washing ost of Umre ile water t 10KL Capa I sprinklers	g systen er Area. ankers c city are i s are ins	n is installed at of 18 KL capacity n operation. talled along coal
		and CHP, det	ails are as	follows:	ng, weigh bridge
		Locatio CHP	n		s, of fixed prinklers 10

		Siding	44
		Along Coal stock approach	12
		Road and Weigh bridge Along coal transportation road and Coal Stock Yard	24
		 Mist Spray Arranger nozzles) is provided at (
		 One no of trolley mou provided 	nted mist/fog generator is
		 One no of truck mo operation 	unted fog cannon is in
ii.	Greenbelt, consisting of 3-tier plantation, of width not less than	Being Complied.	
	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 / coal transportation roads.	The mine has started its ope In 2017, 5000 nos of trees h Madhya Pradesh Van Vikas in 2022, 15,000 nos of tree 6.00 ha. The species pla Sisso, Peltafarm, Gulmohar	have been planted through s Nigam over 2.00 ha and s have been planted over anted are Neem, Karanj,
		Plantation programme for ne	ext 2 years is given below:
		Year 2023-24	Target (Nos) 35,000
		2024-25	35,000
		Plantation will be carried Rajya Van Vikas Nigam (M MoU with maintenance of f of planting.	IPRVVN) under long term
		Density of the plants will be per ha.	maintained at 2500 plants
jii.	The transportation of coal shall be carried out as per the provisions	Being Complied.	
	and route proposed in the approved mining plan. Transportation of the coal through the existing road	The transportation of coal provisions and route propos plan.	•
	passing through any village shall be avoided. In case, it is proposed to construct a "bypass" road, it should	The coal transportation roa and it is directly connected road).	
	be constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	There is no village in the m not transported through any no need for bypass road.	

iv.	Vehicular emissions shall be kept	Being Complied.	
	under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining "PUC"	As per the present practice, the F obtained for all vehicles and the continued. Details are given below:	
	certificate from the authorized	M/S SAINIK MINING & ALLIED SERVICES LIMITED , MKD III DINESH OCP SUB: UST OF PUÇ	UMRER AREA, NAGPURIM.HI
	pollution testing centres.	SN-NO VEHICLE NO. TYPE CHASIS NO. 7 A8-1086 16 (C) VOLVO FIX 420 TIPPER VV2X502G4H8935 7 A8-1086 16 (C) VOLVO FIX 420 TIPPER VV2X502G4H8935 4 VH4066 16 (S) VOLVO FIX 440 TIPPER VV2X502G4H8935 4 VH4066 16 (S) VOLVO FIX 440 TIPPER VV2X502G4H8935 5 MH4066 1062 VOLVO FIX 440 TIPPER VV2X502G4H8935 6 MH4066 1062 VOLVO FIX 440 TIPPER VV2X502G6H8935 7 MH4066 1063 VOLVO FIX 440 TIPPER VV2X502G6H8935 8 VH4066 1063 VOLVO FIX 440 TIPPER VV2X502G6H8935 9 MH4066 1063 VOLVO FIX 440 TIPPER VV2X502G6H8935 9 MH4066 1063 VOLVO FIX 440 TIPPER VV2X502G6H8935 10 MH4066 1063 VOLVO FIX 440 TIPPER VV2X502G6H8935 9 MH4066 1063 VOLVO FIX 440 TIPPER VV2X502G6H8935 10 MH4066 1063	117 653867 0103.2022 1146 66851 94.02.7022 1145 665855 64.03.7022 1140 665851 94.03.7022 1140 665851 94.03.7022 1157 565934 94.03.2022 1158 660733 94.03.2022 1531 660733 64.03.2022 1552 569739 94.03.2022 139F16 402603 04.03.2022
V.	Coal stock pile/crusher/feeder and	Complied.	· · · · · · · · · · · · · · · · · · ·
	breaker material 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.	Fugitive dust emissions from all the sources are controlled by Fixed along weigh bridge, approach transportation road. Rain guns are p siding and Mist spray arrangement transfer points of CHP to prevent the Side cladding is provided along belt	Water Sprinklers road & coal rovided at railway is provided at all dust formation.
	Drills shall be wet operated or fitted with dust extractors.	have wet drilling arrangement.	
		Details of Air pollution control measu	res installed:
		 Automatic tyre washing system is check post of Umrer Area. 4 No. of mobile water tankers and 2 nos of 10 KL Capacity are 	of 18 KL capacity
		 90 nos. fixed sprinklers are instransportation road, railway sid and CHP, details are as follows: 	
		Location	Nos. of fixed sprinklers
		СНР	10
		Siding	44
		Along Coal stock approach Road and Weigh bridge	12
		Along coal transportation road and Coal Stock Yard	24
		 Mist Spray Arrangement sy nozzles) is provided at CHP. 	/stem (150 nos
		 One no of trolley mounted mis provided 	st/fog generator is

		operation					
vi.	Coal Handling Plant shall be	Being Comp	lied.				
	operated with effective measures viz. bag filters/ water or mist sprinkling system etc. to check fugitive emissions from crushing operations, conveyor system, transfer points, etc.	mist heck shing stem, Coal handling Plant is being main water sprinkling arrangement (150 trolley mounted mist fogger) in o fugitive emissions at source. In addition to the mist spraying) nos of nozzles and rder to arrest/check arrangement, fixed ment and trolles		
		mounted mist	nog gene				
		90 nos. fixe transportation CHP, details a	road, ra	ilway siding,			
			Location		Nos. of f sprinkl		
		CHP			10		
		Siding			44		
		Along Coal s and Weigh b	bridge		12		
		Along coal tr	ransportati	on road and	24		
		Air quality par on fortnight concentration and PM _{2.5}) a	rameters a ly basis of paran as per El	. Maximum neters (SPM, nvironmental	and r PM ₁₀ , NO monitoring	ninimu D _x , S(
4		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22	rameters a ly basis of paran as per Er to July 22 Core Zone /	. Maximum neters (SPM, nvironmental 2) is as follow	and r PM ₁₀ , NO monitoring s: Concen (24 ho	ninimu O _x , S(g repo tration burly	
÷		Air quality par on fortnight concentration and PM _{2.5}) a	rameters a ly basis of paran as per Er to July 22 Core	. Maximum neters (SPM, nvironmental	and r PM ₁₀ , N0 monitoring s: Concen (24 ho value µg/r	ninimu O _x , S(g repo tration burly es in n ³)	
19. 		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22	rameters a ly basis of paran as per Er to July 22 Core Zone/ Buffer Zone	. Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit	and r PM ₁₀ , NO monitoring s: Concen (24 hc value µg/r Min	ninimu O _x , S(g repo tration burly es in n ³) Max	
		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22	rameters a ly basis of paran as per Er to July 22 Core Zone/ Buffer Zone Core	Maximum neters (SPM, nvironmental 2) is as follow Permissibl	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210	ninimu O _X , S(g repo tration burly es in n ³) Max 360	
**		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters	rameters a ly basis of param as per En to July 22 Core Zone/ Buffer Zone Core Buffer	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114	ninimu D _X , SC g repo tration burly s in m ³) Max 360 159	
		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters	rameters a ly basis of paran as per Er to July 22 Core Zone/ Buffer Zone Core	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600 - 300	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114 135	ninimu D _X , SC g repo tration burly es in n ³) Max 360 159 210	
		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters SPM PM ₁₀	rameters a ly basis of param as per Er to July 22 Core Zone/ Buffer Zone Core Buffer Core	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114	ninimu D _X , SC g repo tration burly s in m ³) Max 360 159	
		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters SPM	rameters a ly basis of paran as per Er to July 22 Core Zone/ Buffer Zone Core Buffer Core Buffer	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600 - 300 100	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114 135 65	ninimu O _X , SC g repo tration ourly es in n ³) Max 360 159 210 82	
*		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters SPM PM ₁₀ NO _x	rameters a ly basis of paran as per Er to July 22 Core Zone/ Buffer Zone Core Buffer Core Buffer Core Buffer Core	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600 - 300 100 120	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114 135 65 12	ninimu D _X , SC g repo tration burly es in m ³) Max 360 159 210 82 24 16 13	
÷		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters SPM PM ₁₀	rameters a ly basis of param as per Er to July 22 Core Zone/ Buffer Zone Core Buffer Core Buffer Core Buffer Core Buffer Core Buffer	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600 - 300 100 120 80	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114 135 65 12 12 12 BDL BDL BDL	ninimu D _X , SC g repo tration Durly es in n ³) Max 360 159 210 82 24 16 13 BDL	
÷		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters SPM PM ₁₀ NO _x SO ₂	rameters a ly basis of param as per Er to July 22 Core Zone/ Buffer Core Buffer Core Buffer Core Buffer Core Buffer Core	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600 - 300 100 120 80 120 80 -	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114 135 65 12 12 12 12 BDL BDL 33	ninimu D _X , SC g repo tration Durly es in n ³) Max 360 159 210 82 24 16 13 BDL 54	
		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters SPM PM ₁₀ NO _x SO ₂ PM _{2.5}	rameters a ly basis of paran as per Er to July 22 Core Zone/ Buffer Zone Core Buffer Core Buffer Core Buffer Core Buffer Core Buffer Core Buffer	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600 - 300 100 120 80 120 80 - 60	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114 135 65 12 12 12 12 BDL BDL 33 21	ninimu O _X , SC g repo tration ourly is in m ³) Max 360 159 210 82 24 16 13 82 24 16 13 82 24 16 33	
		Air quality par on fortnight concentration and PM _{2.5}) a (from April 22 Parameters SPM PM ₁₀ NO _x SO ₂	rameters a ly basis of param as per En to July 22 Core Zone/ Buffer Zone Buffer Core Buffer Core Buffer Core Buffer Core Buffer Core Buffer Core	Maximum neters (SPM, nvironmental 2) is as follow Permissibl e limit 600 - 300 100 120 80 120 80 - 60 ne data that th	and r PM ₁₀ , NC monitoring s: Concen (24 hc value µg/r Min 210 114 135 65 12 12 12 12 BDL BDL 33 21	ninimu D _X , SC g repo tration burly s in m ³) Max 360 159 210 82 24 16 13 BDL 54 37	

vii.	Ground water, excluding mine	Being Complied.				
	water, shall not be used for mining operations. Rainwater harvesting	Ground water is n	ot used for	any mi	ning ope	erations.
	shall be implemented for construction and augmentation of ground water resources.	Rainwater harvesting measures implemented listed below:				
	9	 The Mine sur unlined and I ground water A Check Da Railway Bric height-1.2 m f 	entation of			
		Location	Storage capacity Volume (m ³) (a)	/ er fill	mb of ing (Estimated yearly recharge a*b*0.75) (m ³ /year)
		Check Dam on Amb river near Umrer OC Expn. Mine	31,350		3	70537
		Where gross sto fillings • Roof top Rain at AGM Offic OCM	water harv	esting	system i	is provided
		Location	Area R	nnuai ainfall nm)	Runof f Coeffi cient	Estimated Yearly Recharge (m ³ /Y)
		Area General Manager office	850	1200	0.85	867
		Canteen of Umrer Sub-		1200		
		Area office	170	1200	0.85	173
1			170	1200	0.85 Total	
			lable (in liti (in sq.m.) value is tak nd (35.78	ers) = x Run en-0.8 %) witi	Total Annual off Coe 5) hin the	1040 rainfall (in fficient (for
viii.	Catch/ garland drains and siltation ponds of appropriate size shall be	Area office Note: Water avail mm) x Roof area concrete roof top Unused/vacant la	lable (in lite (in sq.m.) value is tak nd (35.78 e ground w	ers) = x Run en-0.8 %) witi	Total Annual off Coe 5) hin the	1040 rainfall (in fficient (for

·		·····
	prevent run off of water and flow of	actions are taken:
	sediments directly into the river and	i) To arrest flow of silt & sediment during monsoon,
	water bodies. Further, dump	catch drain of size (top width 3 m, bottom width 2 m &
	material shall be properly	height 2 m) has been constructed.
	consolidated/ compacted and	
	accumulation of water over dumps	ii) The silt and sediment from OB benches are guided
	shall be avoided by providing	through cross drainage into the sump (80m x 150m x
	adequate channels for flow of silt	2m) having capacity of 24000 m ³ to allow settlement
	into the drains. The drains/ponds so constructed shall be regularly	of suspended particles.
	constructed shall be regularly desilted particularly before onset of	iii) The drain and alimna are do alled before areast of
	monsoon and maintained properly.	iii) The drain and sumps are de-silted before onset of
	Sump capacity should provide	every monsoon.
	adequate retention period to allow	Sump capacity is adequate to allow proper settlement
	proper settling of silt material. The	of particles. Water collected in the sump is utilised for
	water so collected in the sump shall	dust suppression measures.
	be utilised for dust suppression	
	measures and green belt	The catch drains at the toe of the dump provide all
	development. Dimension of the	protection measures against flow of silt and
	retaining wall constructed, if any, at	sediments. As such no separate construction of toe
	the toe of the OB dumps within the	wall is required.
	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.	
ix.	Industrial waste water from CHP,	Being Complied.
	workshop and other waste water,	Song oonplied.
	shall be properly collected and	The effluent from workshop is treated in ETP provided
	treated so as to conform to the	with oil & grease trap (capacity: 150 KLD). Treated
	standards prescribed under	effluent is recycled and used in workshop for washing
	Environment (Protection) Act, 1986	of HEMM.
	and the Rules made there under,	The quality water is monitored fortnightly and
	and as amended from time to time.	adequate measures will be taken (if need arises) to
	Oil and grease trap shall be	maintain the quality of water within permissible limits.
	installed and maintained fully	Maximum and minimum concentration of Water
	functional with effluents discharge	parameters as per Environmental monitoring report
	adhering to the norms. Sewage	(from April 2022 to July 2022) is as follows:
	treatment plant of adequate	
	capacity shall be installed for	Parameters Concentration (mg/L) except pH Permissible Limit Min Max
	treatment of domestic waste.	pH 5.5 to 9.0 7.45 8.17
	4	TSS 100 26 36
		COD 250 36 88
		O & G 10 BDL The Monitoring Report in respect of Makardhokra – III

		OCP is en	closed as (Annexu	ıre-IX).	
		capacity combined	using Phytorid te	al arrangement of 0.3 MLD achnology is provided in area where employees of bide.	
х.	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.	Being Complied. Groundwater recharge measures taken up are liste below:			
(d)	Illumination, Noise & Vibration Co	ntrol			
İ.	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 & RO on six-monthly basis.	Adequate lighting arrangements are provided in mine premises to meet DGMS standards. These are monitored regularly by lux meter. Copy of illumination survey report is enclosed as			
ii.	Adequate measures shall be taken for control of noise levels below 85 Db (A) 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/ guidelines in this regard. Adequate awareness programme for users to be conducted.	Noisepollutioncontrolmeasuresarebeirimplemented.Personnelworkinginoperatingmirarebeingprovided with PPElikeEarplugs/muffs.Numbers of EarPlugsissued inlast 4 years are givebelow:SI.YearNos of earplugsNo.Yearprovided112019-2015422020-2159			
	Progress in usage of such accessories to be monitored.	5	2021-22 2022-23 (Till date)	45 16	
		Regular a at VTC.	awaréness prograr	nmes are also undertaken	

iii.	Controlled blasting techniques shall be practiced in order to Mitigative	Being Complied	•				
	ground vibrations and fly rocks as per the guidelines prescribed by the DGMS.	Controlled blasting techniques with use of delay detonators are being practiced to control the ground vibration and to arrest the fly rocks. Controlled blasting technique as permitted by DGMS is adapted.					
		Survey is being carried out in nearby village by project authorities. Report is enclosed as (Annexure-XI).					
iv.	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 this Ministry/ RO on six-monthly basis.	Being Complied. Noise level monitoring station is established near Pit Office. Day time & night time noise level data are monitored fortnightly as per Env. (protection) Amendment Rule, 2000. Report of the same is being submitted to MoEF & CC on six-monthly basis. Noise level, as per Environmental monitoring report (from April 22 to July 22) is as follows:					
			Noise le	evel in dB(A)		
	· .	Time	Permissible limit	Min	Max		
		Near Pit Office			,		
					i		
		Day time	75	51.9	56.4		
		Day time Night time	75 70	51.9 50.7	56.4 55.7		
			70 eport in respect	50.7 of Makar	55.7		

i.	The project Proponent shall	Being Complied.
	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	Periodical Medical Examination (PME) is carried out compulsorily for each employee once in three year with the purpose of detecting and keeping records of diseases with specific importance of Coal Workers Pneumoconiosis. This is covered under Statute.
	and DGMS Circulars. Besides regular periodic health check-up, 20% of the workers identified from workforce engaged in active mining	During PME, the candidates are subjected to complete clinical examination (including acuity of vision and hearing) radiological examination of chest and routine examination of blood and urine.
	operations shall be subjected to health check up for occupational diseases and hearing impairment, if	In case some abnormality is detected during the course of the above examination further investigations are carried out as required.
	any.	When a person is diagnosed with a certain disease, he/ she is referred to the concerned specialist for confirmation and initiation of treatment.
		If, on radiological examination, a person is suspected to be having Coal Worker's Pneumoconiosis he is referred to WCL Pneumoconiosis Board. There is a team of specialist trained in Pneumoconiosis, examine him and comes to a conclusion as to whether he suffers from Coal Worker's Pneumoconiosis or not, compensation to be paid and his fitness for continuing his job. In suitable cases, as per the recommendation of the Apex Medical Board, there is provision for change of job.
		Various national and International Days are observed to increase awareness and educate general population (e.g. No Tobacco Day/ No Smoking Day, World AIDS day, World Breast Feeding Week etc.).
		Regular Family Welfare (L.T.T.) Camps organized with the help of State Govt. Full Co-operation is extended to State Govt. for Pulse Polio immunization. Medical facilities are being extended to non- employees in all sorts of acute emergencies.
		 The details of the set up at Umrer Area Hospital are as follows: Periodical Medical Examination (PME) Centres: 1 (Occupational Health Centres) No. of Doctor engaged in Periodical Medical Examination: 1 No. of Doctor trained in Periodical Medical Examination: 2 No. of X-Ray machines (500 Ma): 1 No. of Audiometer units: 1 No. of Spirometer units: 1 No. of pathology Labs: 1

	 No As per the are examined As seen Umrer Are 	o. of l e Sta ined from rea, to oc	X-Ray Technic Laboratory Tec atute/ DGMS g once in 3 years the above de WCL is havir comply all th ccupational h	hnicians: uidelines, tails that ng all the ne statuto	all the Area H infrast	lospital, ructural
	Details of below:	f IME	E/PME done in	• •		_
		Vaa		rs (Dep	t. &	
	Year		· · · · · · · · · · · · · · · · · · ·	Con IME	PMI	=
	2	2020-		120	52	
		2021-		186	68	
	}	2022-	23		E4	
		Fill da	ate)	290	51	
devices and shall also be provided with adequate training and information on safety and health aspects.		of D	rs like dust ma Just Masks iss	-		ars are
	SI.No.		Year	Nos of E pro	Dust Ma ovided	sks
	1		2019-20		182	
	2		2020-21		136	
	3		2021-22		89	
	4		2022-23		15	
1			(Till date)			
	As per s	tatute	e all personne	el working	g in mir	nés are
	given trai	ining	and retrainin	g on safe	ety and	health
	aspects o	n difi	ferent trades fo	or both de	partmer	ntal and
	contractua	al wo	rkers.			
	Number o given belo		rsons given tra	aining in la	ast 3 Ye	ears are
	No. of workers					
			N	o. of worl	kers	
	Year		N Departmenta			Total
	2020-2	1	Departmenta 28	I Contra 1(actual	130
	2020-2 2021-2	1 2	Departmenta	I Contra 1(actual	
	2020-2	1 2 3	Departmenta 28	I Contra 1(1 ²	actual	130

.

		Copy of Certificat	te of Training	is given belo	w fór
		reference:			1
		(sections) Dentify on scientific Section Statility was <u>Section</u> Chamber is bank big <u>if den</u> te pisturage	Annual A Annual A Annual A Annual the type on a 1985 1999 (17 10) 1999 (17 10) 1999 (12) 1999 (12) 1990 (1		
		Certificates of Tra (Annexure-XII)	aining are enclo	sed for refere	nce as
iii.	Skill training as per safety norms	Being Complied			
	specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in	Skill training as p is given to all v employees to ens	workmen includ	ding the outs	ourcing
	mines.	Number of perso given below:	ns given trainin	g in last 3 Ye	ears are
				of workers	
		Year	Departmenta I	Contractua I	Total
		2020-21	28	102	130
		2021-22	105	140	245
		2022-23 (Till date)	27	231	258
		Certificates of Tr (Annexure-XII).	aining are encl	osed for refere	ence as
(f)	Ecosystem and Biodiversity conse	ervation			
i.	The project proponent shall take all	Being Complied			
	precautionary measures during mining operation for conservation	Not applicable as	there are no e	ndangered flor	a/ fauna

	and protection of endangered flora/fauna, if any, spotted/reported in the study area. Action plan, in this regard, if any shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	 in core and buffer zone as per baseline data generated in EIA/EMP. As such, no precautionary measures are needed for conservation and protection of endangered flora / fauna. However. Plantation is being taken up along with mining activities through State Level Expert Forest Agency (MPRVVN) with MoU for 4 years maintenance after each year of plantation. This MoU is applicable for all mines of WCL in Maharashtra.
(g)	Public Hearing, R&R & CSR	
i.	Implementation of Action Plan on	Complied.
- wa - ****	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 out R&R Policy of the Company/ or the National R&R Policy/R&R Policy of the State Government, as applicable.	 Action Taken Report on the issues raised during the Public Hearing is enclosed as (Annexure: XIII). The details as per the present status of land acquisition is as follows: Land notified u/s 9(i) of CBA Act vide Gazette notification dated 11.08.2012. The Employment Roll of 1234 against 1385.54 ha approved by WCL Board in 270th meeting on 24.10.2015. Compensatory jobs provided: 908 nos Monitory compensation provided: 157 nos Total: 1065 nos Land compensation paid till date: Rs. 346.59 Crore Monitory compensation paid: Rs. 30.167 Crore Rehabilitation of Hewati village is proposed with capital provision of Rs. 35.92 crore, considering 360 nos of PAF. The rehabilitation site is under construction near Udasa village on Umrer- Nagpur Highway.
ii.	The project proponent shall ensure	Being Complied.
	that the expenditure towards, socio- economic development in and around the mine, in every financial year as per the Corporate Social Responsibility policy as per the provisions under Section 135 of the Components Act, 2013.	The activities undertaken for the specific villages adopted 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 12 years:
		Year Rs. in lakhs 2021-22 46.84 2020-21 53.17

•

		2019-20 64.80
		2018-19 12.01
		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
iii .	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 "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".	 *CSR funds for the year 2015-16 and 2016-17 were diverted to Swaccha Bharat Abhiyan. The activities broadly include: Construction of WBM and CC road at nearby villages Construction of Well and Storage arrangement and pipe line for providing drinking water Installation of RO plant at nearby villages and ZP schools. Construction of Green Haat at village Construction of Compound wall at ZP Schools. Skill development training for nearby villagers. Details enclosed as (Annexure XIV). Being Complied. There is no habitation/village in the mine lease area. Nearest village (Hewati Village) is approx. 1200 m north from the mine boundary. The coal transportation route lies in the south of mine lease area which is approx. 2050 m away from the Hewati village. Approx. 75 - 80% coal is transported through rail to all the major consumers. The remaining 20-25% coal is transported through tarpaulin covered trucks. The coal transportation road is properly maintained and it is directly connected to State Highways (BT road). However, rehabilitation of Hewati village is proposed with capital provision of Rs. 35.92 crore, considering 360 nos of PAF. The rehabilitation site is under construction near Udasa village on Umrer- Nagpur Highway. Monitoring station is set up in this village for regular monitoring of ambient air and noise. Analysis results of the same for the month, July 22 is given below:

	1			. <u> </u>	HEOTI VILLAGI	UMIOAS		······	
		DATE(dd:mm:yy) OF SAN	MPLING TO		PARAMETERS	Z4 nourly v	alues in ug/m	14	CONDITIONS
		06.07.2022 07	07.2022	152	<u>81</u> 67	32	12	BOL BOL	(Sky/Wind) Cloudy sky/windy Rainy/windy
		NAAQ5, 2009		· · ·	100	60	80	80	
		· · · · · · · · · · · · · · · · · · ·		UFC	TI VILLAG	E-IUM16	2013		1
			D/	ATE OF S		_	E LEVEL IN	dB(A)	
		MONTH		COLLECT			DAY TIN	1E	NIGHT TIME
		JULY'22	DE	TECTION 06.07.2			20 42.3		20 41.6
		JULY'22		28.07.2	022		42,4		41.6
		NOISE POLLUT	'ION (REG ITROL) RI		N AND		55		45
		Regular monitoring of Ground Water lev done in Hewati village for four times a year pre-monsoon (May), monsoon (Augus monsoon (November), and winter (January no depletion in ground water level has beer Ground water monitoring report is en (Annexure-XV). All blasting practices are carried out a permission of Director General of Min (DGMS). Ground vibration study is con-						year i ugusl uary). been encl ut as Mine cond	e. during), post- Till date, recorded. osed as per the s Safety
iv.	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 the Hon'ble Supreme Court with regard to acquiring grazing land.	Velocity (PP As per the ba core zone of	aselin	ie dat	a, the	·			and in the
(h)	Corporate Environment Responsit	hility							
i.	The Company shall have a well laid	Complied.				·			
1.	down Environment Policy duly	compuea.							
	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	Coal India comprehens 2012 followe approved by 20th Decem its subsidiari	ive E ed by / CIL / ber, 3	a rev Boai	onmen vised j rd in il	it Po policy ts 37	olicy c / in Do 7th M	only i ecem eetin	ber, 2018 g held or
	infringements/deviation/violation of the environmental or forest norms/conditions. Also the company shall have a defined system of reporting of non- compliances/violations. of	This Corpora subsequentl Board of Dir deliberation, principle for	y disc rector WCI	cusse s of L Bo	ed in f WCL I ard ha	the 3 held as a	809th on 04 dopted	Meeti .03.20 d the	ng of the 019. Afte policy ir

environmental norms to the Board of Directors and/or shareholders or	was communicated vide Ref: WCL/BD/SECTT/BM- 309/2019/267 dated 15.03.2019.
stakeholders.	For monitoring of EC/FC norms & conditions, an online MDMS portal (Mine Data Management System) of MoC, Gol is already existing where in the environmental data namely, air quality, water quality; noise quality data are uploaded and regularly updated. In addition to that, compliance report of each condition of EC is also uploaded in the portal and the same is also updated every six months.
	This management system has the access of CIL & MoC
	To deal with environmental issues and for ensuring compliance with environmental clearance conditions, At project level Environmental management cell is headed by Sub Area Manager and is assisted by Project Nodal officer (Env).
	At area level, Area General Manager, Heads the environment cell and is assisted by General Manager (Op) and Nodal officer (Env).
	At corporate level at HQ, there is full-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.
	In this regard, it may be mentioned here that at the Company Level a Sustainable Development Cell has been set up with multi-disciplinary officials for pursuing sustainable mining integrating environmental, social and economic factors. This cell is being monitored at the level of Director of the Company and further monitoring is being also done by CIL and MOC at the highest level.
	Coal India Limited has framed an Environment Policy which is being complied within all the mines. Copy is enclosed as (Annexure-XVI).
 The project proponent shall comply with the provisions contained in this Ministry's OM dated 1st May,2018, as applicable, regarding Corporate 	Not Applicable As per the O.M dated 1st May 2018, the provisions of CER are not applicable.

	Environment Responsibility.						
iii.	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.	company to	o deal wit mpliance is disp	em or Administrative Order of the th environmental issues and for with the environmental clearance layed on company website			
iv.	A separate environmental management cell, both at the project level and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	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.)					
V.	Action plan for implementing the EMP and environmental clearance conditions shall be prepared and shall be duly approved by the competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not 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.	are in built Board. The funds diverted for	Plan for ir in the mir earmarke other wor	nplementing EMP/EIA conditions hing plan approved by Company ed for environment will not be ks. till date is given below: Remarks Construction of sedimentation tank Construction of Effluent Treatment plant and washing			

				ramp			
		2017-18	10.90	Construction of building for housing of CAAQMS			
			26.47	Installation of fixed sprinklers for dust suppression including water reservoir, pipeline			
		2019-20	21.53	Providing and installation of fixed sprinklers for dust suppression including pipeline along coal stock			
		2021-22	2.58	Procurement and installation of Water flow meter			
			12.42	Installation of 02 nos of Piezometers with DWLR			
			6.61	Procurement of one no of trolley mounted mist/fog generator			
		2022-23	34.10	Procurement of one no of truck mounted Mist/Fog Generator			
vi.	Self-Environmental Audit shall be	Complied.	_ _				
	conducted annually. Every three years, a third-party environmental audit shall be carried out.						
		Every thre compliance		he third-party assessment of EC arried out.			
		The third part assessment of EC compliance has undertaken through CSIR-NEERI (Expert Ag identified by Ministry). Inspection was carried ou 18/11/2021 in which no non compliances observed.					
(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	PP has co	onsented	to condition.			

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Court of Law, from time to time, and as applicable to this project.	
This Environmental Clearance shall be obtaining wildlife Clearance, if applicable from the Standing Committee of National Board for Wildlife.	PP has consented to condition. Not applicable as there are no endangered flora/ fauna in core and buffer zone as per baseline data generated for EIA/EMP.
The Project Proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and water Act, 1974 from the concerned State Pollution Control Board.	Complied Consent to establish along with consent to operate for 4.20 MTPA has been secured from MPCB vide letter no. Format1.0/CAC/UAN No.0000062939/CO- 2002001040 dated 25/02/2020 which was valid till 31/03/2021. Copy enclosed as (Annexure-II). Renewal application for consent to operate for production capacity of 4.20 MTPA was submitted to MPCB through its online portal vides dated 27/01/2021. Consent is approved in the 7 th Consent Appraisal Committee (CAC) meeting held on 14/09/2022 which is valid upto 31/03/2024. Minutes of the meeting is enclosed as (Annexure-III).
	Subsequently, Application for the Consent to Establish (CTE) and Consent to operate (CTO) for production capacity of 4.50 MTPA was also submitted to MPCB through its online portal. This application is under process at MPCB, Mumbai.
The project proponent shall obtain necessary permission of the Central Ground Water Authority (CGWA).	Being Complied Obtained NOC from CGWA for abstracting Ground Water (NOC No. CGWA/NOC/MIN/ORIG/2019/5548) which was valid up to 09/06/2021. Renewal Application is submitted to CGWA on 07/06/2021, which is under process at CGWA, New Delhi. Copy of NOC is enclosed as (Annexure-V).
Monitoring of Project	
Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM_{10} , $PM_{2.5}$, SO_2 , and NO_x Location of the stations shall be decided based on the meteorological data,	 Being Complied 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: Manager office Railway Weigh Bridge
Ad mo est as of SC sta the	equate ambient air quality initoring stations shall be ablished in the core zone as well in the buffer zone for monitoring pollutants, namely PM_{10} , $PM_{2.5}$, p_2 , and NO_x Location of the tions shall be decided based on

	topographical features and	Welsa	kara Villag	je.		
	environmentally and ecologically sensitive targets in consultation with the SPCB. Online ambient air quality monitoring station/ stations may	(SPM PM), NO _X , al monitorii	n concentratio SO _X and ng report (fror	PM _{2.5}) a n April 22	is per to July
	also be installed in addition to the regular air monitoring stations as per the requirement and/or in	Parameters	Core Zone/ Buffer Zone	Permissibl e limit	Concent (24 ho values µg/m	urly s in
	consultation with the SPCB.				Min	Max
	Monitoring of heavy metals such as		Core	600	210	360
	Hg, As, Ni, Cd, Cr, etc. to be	SPM	Buffer		114	159
	carried out at least once in six months.	PM ₁₀	Core	300	135	210
			Buffer	100	65	82
		NO _x	Core	120	12	24
			Buffer	80	12	16
			Core	120	BDL	13
		SO ₂	Buffer	80	BDL	BDL
			Core	-	33	54
		PM _{2.5}	Buffer	60	21	37
		The Monitor OCP is enclo	ing Repor osed as (A	t in respect o nnexure-IX).	of Makardl	nokra-III
		One Onlin Monitoring consultation	Station	uous Ambie has also b B and is in op	een set	Quality up in
		in six month	s by CMP I to MOEF ntrol Boar	netals is being DIL and the r & CC Nagp d. Analysis rea	eport of th ur & Mah	ne same arashtra

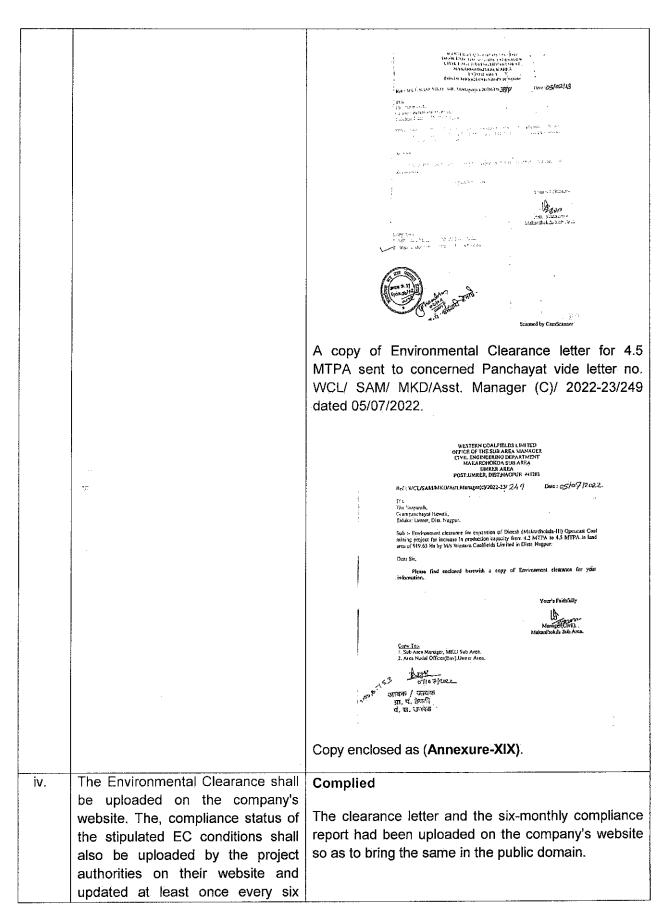
1

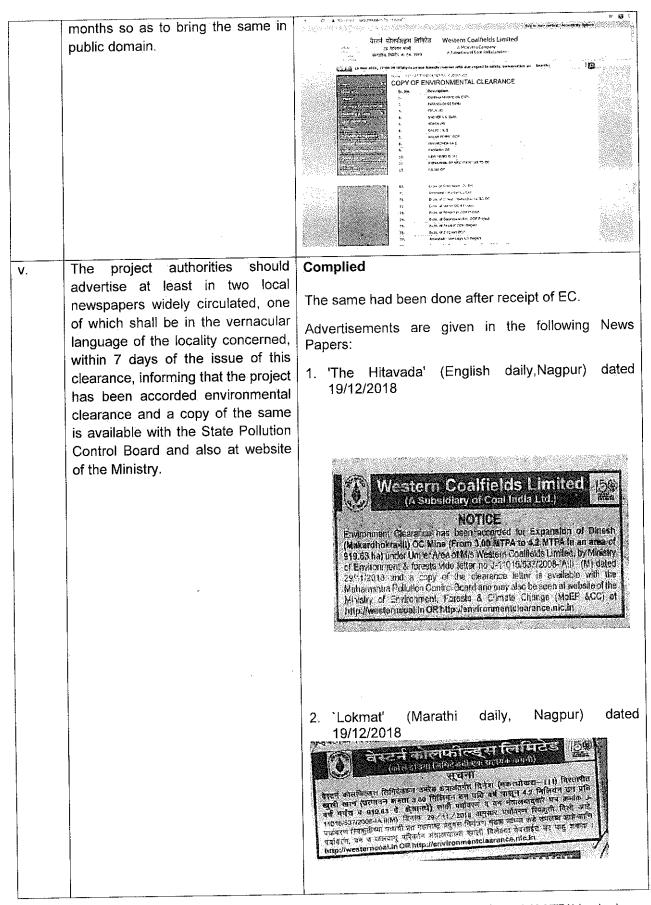
		Environment Laboratory CMPDI RI-IV, NAGPUR Test Report quality monitoring data for heavy motals				
		TEST REPORT NO. INIV/TR/IUNE. /HN20 DATE OF ISSUE 27.05 2022 IRAME OF CUSTOMER GM(INV), WCLHOB, RASGIVR SAMPLE DESCRIPTION All SAMPLE ICUSTOMER IETER REFERENCE NO. INCLAID/CVN/14-1/206-220 DATED: 25.03.2022 SAMPLE DESCRIPTION All SAMPLE TEST REGURED Howsmersh & KI, F&, N. Cr. & Cd. In av smalles (ASTM D-4185) SAMPLING METHOD: LSOP 4 SAMPLING METHOD: LSOP 4 NAME OF AREA UMARER SAMPLING PLAN: LGR 47 SAMPLING PLAN: LGR 47 No. of Pages 1 SAMPLING PLAN: LGR 47				
		SI NO. Name of location Location Code Date of sampling 1 MANAGER DFFICE UMIOA-1 D145-2022 2 NEAR ADJUWAY WEIGH BRUCCE UMIOA-2 3146-2022 3 PFRAPOL VEIGH BRUCCE UMIOA-2 3166-2022 4 WELSARRA VELAGE UMIOA-4 31-05-2022				
		SI. No. Parameter anatysis Method of Limit Detection Limit Observed Value Plational Ambient Arr Quarty UM3QA-4 Plational Ambient Arr Quarty 1 Arranic.up/m* ASTM D 4165 D.0007 jpg/m* BOL BDL BDL 0.0007 jpg/m* ST ASTM D 4165 0.0007 jpg/m* ST BDL BDL 10.0007 jpg/m* ST Astm D 4165 0.007 jpg/m* ST ST Astm D 4165 0.007 jpg/m* ST ST Astm D 4165 0.007 jpg/m* ST D.0076 BDL BDL 10.pg/m* St Astm D 4165 0.007 jpg/m* ST St Astm D 4165 0.007 jpg/m* ST D.0076 BDL BDL 0.027 jpg/m* St Astm D 4165 0.007 jpg/m* St St Structure area and structure area and				
		4 Chromium, gs/m ² ASTMA D 4145 0.0045 BDL BDL Participation c Ceternulini, (schrift) 2/STMA D 4165 0.0015 BDL BDL BDL Provide				
		SCIENTIFIC ASSISTANT SCIENTIFIC ASSISTANT Copy of heavy metal monitoring report is enclosed as (Annexure –XVII).				
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	Ambient air quality is being monitored as per the industry standards notified vide GSR 742(E) da 25.9.2000 & reports are submitted to MOEF & Nagpur & Maharashtra Pollution Control Board. Copy of Monitoring Report is enclosed as (Annex IX). Monitoring of heavy metals is being carried out of in six months by CMPDIL and the report of the sa is submitted to MOEF & CC Nagpur & MPCB. Cop				
	CPCB/SPCB.	heavy metal monitoring report is enclosed as (Annexure-XVII).				
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.	Being Complied. The quality of mine discharge water is monitored fortnightly basis as per GSR 742(E) of dated 25-05- 2000. Maximum and minimum concentration of Water parameters as per Environmental monitoring report (from April 2022 to July 2022) is as follows:				
		Concentration (mg/L) except pHParametersPermissible LimitMinMaxpH5.5 to 9.07.347.91				
		TSS 100 24 40				

<u> </u>		COD	250	28 72		
		0&G	10	BDL		
		Copy of Monitoria	ng Report is encio	sed as (Annexure-		
	The monitoring data shall be	Being Complied				
iv.	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.	MoEF, Nagpur displayed on the Reports enclose	and MPCB on company website d as (Annexure-I)			
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 and constructing new piezometers during the mining operations. The monitoring of groundwater levels shall be carried out four times in a year i.e, pre- monsoon, monsoon, post-monsoon 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 Environment, Forest and Climate Change / Regional Office.	Regular monito wells at 40 loca in Umrer Colo during pre-mor monsoon (Nove Quality of gro analyzed for 6 Ground water sent to R.O., regular basis. Ground water (Annexure-XV In compliance for ground water	ring of ground wal tions of Buffer zor ny is done for for soon (May), mon ember), and winter undwater as per locations in Buffer level and quality MoEF& CC, Na monitoring rep 7).	IS: 10500: 2012 is zone once a year. monitoring report is gpur and CGWA or oort is enclosed a stipulated in the NOG ued by CGWA, 2 no in core zone for		
vi.	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring for Expansion of Dinesh (Makardhokra-III) OCP fro	n Water quality GSR 742(E)	of Amb river is mo dated 25.05.2000	nitored regularly as p and report is sent r.t 3.00 MTPA) in mine lea		

nvironment, Forest and Climate hange / Regional Office.		rozment Laboratosy PDI RHY, NAGPUR	Tost Re Surface water quality		g data
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	13	Traci (as Fe) -mgA	SPADNIS Method: 2017 G 3025 Part 53 AAS Flamm Mathematik/1010	0.01	BDL
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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.	Being Complied Six monthly reports on the status of the implementation of the stipulated environmental safeguards are submitted regularly to Regional office of Ministry of Environment, Forest and Climate Change. The six-monthly report for the period from October 2021 to March 2022 is submitted to MoEF&CC on 30/05/2022 through email.
vili.	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.	PP has consented to condition.
(k)	Miscellaneous	
i.	Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.	Efforts are being made for the uses of Solar energy and
ii.	The project authorities shall inform to the Regional Office regarding commencement of mining operations	
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 sector and Collector's office/Tehsildar Office for information in public domain within 30 days.	A copy of Environmental Clearance letter for 4.2 MTPA has marked to concerned Panchayat vide letter no. WCL/ SAM/ MKD/Asst. Manager (C)/ 2018-19/ 397 dated 05/02/19.





		3. 'Punya Nagari' (Marathi daily, Nagpur) dated 31/05/2022
		4. 'The Times of India' (English daily,Nagpur) dated 31/05/2022 (I) ISTER: UPDATE INFORMATION CONTRACT AND ADDRESS OF THE ADDRESS OF THE
V	The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the Project Proponent 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 shall be sent to the respective Regional Offices of the MoEF&CC by e-mail. Concerns raised during public hearing	Copy enclosed as (Annexure-XX) 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 2021-22 was submitted online on 28/09/2022. Copy Enclosed as (Annexure- XXI).

	Environment Statement				
	5	LIAN NO.	Application Name	Submitted Date	Action
	No.	NPCB ENVIRONMENT_SYATEMENT-0500006563	ENMRONMENT STATEMENT	23-69-2017	Gowinload
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	4	SIPCB-ENVIRONMENT_STATEMENT-0000028350	ENVIRONMENT STATEMENT	29.09-2020	(keanioat)
	f	MPCB-ENVIRONMENT_STATEMENT-0000037477	ENVIRONMENT STATEMENT	28-09-2021	Deenicate
	7	MPCBEWHRONMENT_STATEMENT CONCASES	ENVROYMENT STATEMENT	28-09-2022 -	Download
enforced inter-alia, under the provisions of the Water (Preventions & Control Of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 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/Hon'ble					

2. PP has informed that there is no court case pending with respect to the EC in any court of law.

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(Dr. P.R. Sakhare) Scientist (T)