Prakash Industries Limited

(MINING DIVISION)

BHASKARPARA COAL MINES

Village: Kewara, P.O.: Bhaiyathan,
Tehsil: Bhaiyathan, Dist.: Surajpur (C.G.) 497231
Tel.: 07775-299499
Email: bhaskarparamine@prakash.com
CIN - L27109HR1980PLC010724

PIL/BSP/MD/BCM/SMCR/2025-26/ 125

Date: 01.10.2025

Speed Post

To,
The Addl. Principal Chief Conservator of Forest,
Ministry of Environment, Forests and Climate Change (MoEF&CC),
(Govt. of India), Regional Office, West-Central Zone (WCZ),
Ground Floor, East Wing, New Secretariat Building,
Civil Lines, Nagpur (M.S.) 440001

Sub: Submission of Six-Monthly Environment Clearance Compliance Status Report along with Monitoring Data for Ambient Air, Water, Noise, etc.

Ref.: 1. Environment Clearance no. J–IA–11015/90/2021–IA–II (M) dtd 15.09.2023.

Sir,
This has reference to the above subject matter. Please find enclosed herewith six-monthly Environmental Clearance Compliance status report along with Environmental Monitoring Data for Ambient Air, Water, Noise, Expenses for Environmental Management & Corporate Social Responsibility and Green Belt development details for the period of April 2025 to September 2025.

We hope you will find the above in order.

Thanking you,

Yours faithfully,

For PRAKASH INDUSTRIES LIMITED,

(A.K.Chaturvedi)
Director (Corp. Affairs)

Encl.: As above.

CC TO:

The Addl. Director General of Forest Ministry of Environment, Forests & Climate Change (MoEF&CC), Regional Office, Aranya Bhawan, North Block, Sector-19, Nava Raipur, Atal Nagar, Raipur (C.G.) 492002	The Member Secretary, Chhattisgarh Environment Conservation Board (CECB), Paryavas Bhawan, North Block, Sector – 19, Nava Raipur, Atal Nagar, Raipur (C.G.) 492002
The Regional Director, Central Pollution Control Board (CPCB), Parivesh Bhawan, E-5, Paryavaran Parisar, Area Colony, Bhopal (M.P.) 462016	The Regional Officer, Chhattisgarh Environment Conservation Board, Kanya Parisar Road, Near Govt. Aayurvedik Hospital, Namanakala, Gangapur, Ambikapur (C.G.) 497001

Bhaskarpara Open Cast cum Underground Coal Mine with Production Capacity of 1.0 MTPA within ML Area of 932.00 ha by M/s. Prakash Industries Ltd Located in Bhaskarpara, Khadapara, Badsara, Kurridih, Kusmusi, Danauli Khurd and Kewara villages of Bhaiyathan Tehsil in Surajpur District (Chhattisgarh)

Compliance status on Environmental Clearance
Vide letter No. J – IA-J-11015/90/2021-IA-II(M) dated 15.09.2023

Sl. No.	Condition No.	Condition as per Environmental Clearance dtd 15.09.2023	Current status of Compliance
2		The Ministry of Environment, Forest and Climate Change has considered the application. It is noted that the proposal is for grant of Environmental Clearance to the project Bhaskarpara Open cast (0.76 MTPA) cum Underground (0.24 MTPA) Coal Mine with Production Capacity of 1.0 MTPA within mine lease area of 932.00 ha by M/s. Prakash Industries Ltd. Located at village Ammakhokha and Dallabhahara, Tehsil Bhaiyathan, District Surajpur (Chhattisgarh). The project / activity is covered under category 'A' of item 1 (a) ' Mining of Minerals' the Schedule to the EIA Notification, 2006	Project proponent has consented to the condition.
3		The proposal was considered by the sectoral Expert Appraisal Committee (EAC) in its 41th EAC Meeting on 13-14 March, 2023 through video Conferencing. The details of the proposal, as ascertained from the proposal documents and as revealed from the discussions held during the meeting are given as under:	Project proponent has consented to the condition.
	i.	The project area is covered under Survey of India Topo Sheet No F44E11 & F44E15 (64 1/11 & 64 1/15) and is bounded by the geographical coordinates ranging from 23^{0}21'20" N to 23^{0}22'42" N and longitudes 82^{0}45'05" E to 82^{0}48'09" E.	Project proponent has consented to the condition.
	ii.	Bhaskarpara Coal Block / project is proposed for commercial use for various purposes.	Project proponent has consented to the condition.
	iii.	No joint venture cartel has been formed.	Project proponent has consented to the condition.
	iv.	Project does not fall in the Critically Polluted Area (CPA), where the MoEF&CCs vide its OM dated 13th January, 2010 has imposed moratorium on grant of environment clearance.	Project proponent has consented to the condition.
	v.	Employment generation, 479 (direct and Indirect) employment will be provided from the project.	Project proponent has consented to the condition.
	vi.	The project is reported to be beneficial in terms of Socio and economic benefits.	Project proponent has consented to the condition.
	vii.	Terms of Reference granted on – vide F. No. IA-J-11015/90/2021-IA-II(M) dated 31st January, 2022.	Project proponent has consented to the condition.
	viii.	Total mining lease area as per block allotment is 932 ha. Mining Plan (Including Progressive Mine Closure Plan) has been approved by the Coal Controller Organization, Ministry of Coal on 18th Nov, 2022.	Project proponent has consented to the condition.

ix. The land usage pattern of the project is as follow:

Pre-mining land use details (Area in Ha)

S. No.	Land Use	Within ML Area	Outside ML Area	Total
1	Agricultural Land	370.737	24940.1	25310.837
2	Forestland	515.581	7652.6	8168.181
3	Wasteland	3.624	8574.6	8578.224
4	Grazing Land	–	–	–
5	Surface Water Bodies	2.387	3365.3	3367.687
6	Settlements	–	1567.4	1567.4
7	Others (Specify)	38.520	–	38.520
8	Old Excavation Area (East Quarry)	–	–	–
9	Old Excavation Area (West Quarry)	–	–	–
10	Old OB Dumps	–	–	–
11	Roads & Mine Infrastructure	1.15	–	1.15
12	R&R Colony	–	–	–
13	Staff Colony	–	–	–
14	Green Belt	–	–	–
15	Balance Area	–	–	–
	Total Project Area	**932.00**	**46100**	**47032**

Post Mining (Area in Ha)

S. No.	Land Use	Land use (ha)				
		Plantation	Water Body	Public Use	Undisturbed	Total
1	External OB Dump	94.93	–	–	–	94.93
2	Top Soil Dump	–	–	–	–	–
3	Excavation	–	–	–	–	–
4	Roads	–	–	1.125	–	1.125
5	Built-up Area	–	–	6.290	–	6.290
6	Green Belt	312.796	–	–	–	312.796
7	Undisturbed Area	22.719	–	–	33.180	355.899
8	Safety Zone /	13.33	–	–	–	13.33

Project proponent has consented to the condition.

				Rationalization Area					
			9	Diversion / Below River / Nala / Canal	–	–	1.940	–	1.940
			10	Water Body	–	144.570 +1.120	–	–	145.69
			11	Staff Colony	–	–	–	–	–
				Total Area =	443.775	145.69	9.355	333.180	932.000
	x.	Total geological reserve reported in the mine lease area is 46.91 MT with 27.75 MT mineable reserve. Out of total mineable reserve of 46.91 MT, 24.17 MT are available for extraction. Percent of extraction is 51.524%.							Project proponent has consented to the condition.
	xi.	Total 5 No. of seams with thickness ranging from 0.50 m – 4.11 m are workable. Grade of coal is G8, stripping ratio 1:8.50, while gradient is 2^0 to 3^0 in southern south western part of the block and 9^0 to 10^0 in eastern central part.							Project proponent has consented to the condition.
	xii.	Method of mining operations envisages by conventional system using Pay loader – Dumper in conjunction with drilling and blasting. The OB would be removed using Conventional shovel dumper method with drilling & blasting. Drilling & blasting will be conducted in scientific way using environment friendly technology.							Project proponent has consented to the condition.
	xiii.	Life of mine is 28 years.							Project proponent has consented to the condition.
	xiv.	The project has 2 No's of external OB dumps in an area of 94.93 ha with 8-10 m height and 48.33 Mm3 of OB. 2 No's of internal OB in an area of 312.796 ha with 112.41 Mm3 of OB is envisaged in the project.							Project proponent has consented to the condition.
	xv.	Total quarry area is 457.366 ha out of which back filling will be done in 312.796 ha; while final mine void will be created in an area of 144.570 ha with a depth of 30 m. Backfilled quarry area of 312.796 ha shall be reclaimed with plantation. Final mine void will be converted water body for public use.							Project proponent has consented to the condition.
	xvi.	Transportation of coal has been proposed by 35T capacity tipping trucks to stock yard and Coal buyers will carry coal from Stock Yard to respective destinations by road. Consumers will have access to carry the coal produced from the mine to their plants by road to consumers over relatively shorter distances.							Project proponent has consented to the condition.

	xvii.	Reclamation Plan in an area of 421.056 ha, comprising of 94.93 ha of external dump 312.796 ha of internal dump and 13.33 ha of green belt. In addition to this, an area of ha, included in the safety zone/rationalization area, has also been proposed for green belt development.	Project proponent has consented to the condition.
	xviii.	515.581 ha of forest land has been reported to be involved in the project. Approval under the Forest (Conservation) Act, 1980 for diversion 515.581 ha of forest land for non-forestry purposes has been applied for Stage – I FC vide MoEF&CC letter No.: FP/CG/MIN/149564/2021 dated 26th Nov, 2021.	Project proponent has consented to the condition.
	xix.	Please mention any National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones fall within 10km boundary of the project -None.	Project proponent has consented to the condition. There are no National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones within 10km boundary of the project.
	xx.	Wildlife conservation plan for schedule-I species has been submitted to Forest department, Chhattisgarh for approval of existing wildlife flora and fauna. Principal Chief Conservator of Forests (PCCF) cum Chief Wildlife Warden, Nava Raipur (CG), vide approval Order No. Wildlife/Management-550/106, New Raipur dated 23-05-2022.	Project proponent has consented to the condition.
	xxi.	The ground water level has been reported to be varying between 1 m to 12.1 m during pre-monsoon and between 1.52 m to 16.46 m during post-monsoon. Total water requirement for the project is 490 KLD.	Project proponent has consented to the condition.
	xxii.	NOC obtained from Central Ground Water Authority vide No. CGWA/ NOC/ MIN/ORIG/2022/16171 dated 31st August, 2022 for ground water drawl of 490 KLD.	Project proponent has consented to the condition. Renewed NOC has been obtained from Central Ground Water Authority vide letter No. CGWA/ NOC/ MIN/ REN/1/ 2024/9997 dated 01.10.2024 for ground water drawl of 490 KLD.
	xxiii.	Public hearing for the project of 1.0 MTPA capacity in an area of 932 ha was conducted on 09-11-2022 at Government High School campus, Village-Kewara, Tehsil-Bhaiyathan, Dist. Surajpur Chhattisgarh under the Chairmanship of Sub Divisional Magistrate (SDM), Bhaiyathan and Regional Officer, CECB, Ambikapur. Major issues raised in the public hearing include Employment to local youth, Urge to plant trees and plants on both sides of the road. Proper compensation for land. Development of PAF villages under CSR activities, Effect due to blasting etc. Appropriate action to address the issues raised in the public Hearing have already been taken/proposed to be taken areas under:	Project proponent has consented to the condition.

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<td>Budget Allocated Toward To Address Public Hearing Issue as Per the Corporate Environment Policy MoEF&CC OM No. dated 30/09/2020.
<table>
<tr><th rowspan="2">Sr. No.</th><th rowspan="2">Activity</th><th colspan="4">Budget in Rs. Lakhs</th></tr>
<tr><th>1st Year</th><th>2nd Year</th><th>3rd Year</th><th>Total</th></tr>
<tr><td>1</td><td>Provision of drinking water to all the 7 Villages</td><td>16.00</td><td>8.00</td><td>8.00</td><td>32.00</td></tr>
<tr><td>2</td><td>Development of existing Anganwadis in all the 7 villages</td><td>10.00</td><td>7.00</td><td>5.00</td><td>22.00</td></tr>
<tr><td>3</td><td>Development of existing inner village roads with the participation of the District administration in all the 7 villages</td><td>40.00</td><td>40.00</td><td>20.00</td><td>100.00</td></tr>
<tr><td>4</td><td>Strengthening the education sector in Government schools in all the 7 villages</td><td>10.00</td><td>10.00</td><td>5.00</td><td>25.00</td></tr>
<tr><td>5</td><td>Fully equipped Ambulance will be purchased and maintained by PIL</td><td>20.00</td><td>5.00</td><td>5.00</td><td>30.00</td></tr>
<tr><td>6</td><td>Avenue plantation along the village roads, Safety zone, ETP, Pit office, School Campus & administrative building with approximately 16,589 plants has been planted.</td><td>8.00</td><td>8.00</td><td>8.00</td><td>24.00</td></tr>
<tr><td></td><td>Total</td><td>104.00</td><td>78.00</td><td>51.00</td><td>233.00</td></tr>
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<td>xxiv.</td>
<td>Manik nala is flowing within the ML boundary of lease. The nala will be diverted in consultation with the Water Resource Department of the State Government. Necessary approval will be obtained before undertaking any activity towards Nala diversion However, it is pertinent to mention here that the concern Executive Engineer of District Surajpur (C.G.) has already made a visit on 04th January, 2023 for its preliminary inspection to prepare an Agenda note for its approval from the appropriate authorities for diversion of Nala.</td>
<td>Project proponent has consented to the condition.</td>
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	xxv.	No court cases, violation cases are pending against the project of the PP – No cases are pending**.**	Project proponent has consented to the condition.
	xxvi.	The project does not involve violation of the EIA Notification, 2006 and amendment issued thereunder. The coal production from the mine was started from the year onwards. No excess production of coal from the sanctioned capacity has been realized since the commencement of mining operations. The coal production, realized from the project, from 1993-94 onwards, is as under: Not Applicable.	Project proponent has consented to the condition.
	xxvii.	The project involves 1290 persons of affected families. R&R of the PAPs will be done as per schedule II & III "Rehabilitation & Resettlement Package as per the provisions as per Central RFCT LARR Act 2013 & Chhattisgarh Right to Fair Compensations and Transparency in Land Acquisition, Rehabilitation and Resettlement (Survey and Census of Affected Families and Preparation of Rehabilitation and Resettlement Scheme) Rules, 2018 Published Vide Notification No. F-4-123/Seven-1/2016, Dated 03.02.2018".	Project proponent has consented to the condition.
	xxviii.	Total cost of the project is Rs. 28000 lakhs. Cost of production is approx Rs. 1800/- per tone for OC and approx Rs. 3000/- per tone for UG, CSR cost is Rs. 10 per tone, R&R cost is Rs. 105.3234 Crores. Environment Management Cost is Capital Rs. 3.65 Crores & Recurring Rs. 1.50 Crores.	Project proponent has consented to the condition.
4		The Expert Appraisal Committee in its 41st EAC Meeting held on 13-14 March, 2023 though video conference has recommended the project for grant of Environment Clearance (EC)**.** Based on recommendations of the EAC, Ministry of Environment Forest and Climate Change hereby accords approval for Environment Clearance (EC) to Bhaskarpara Open Cast (0.76MTPA) cum Underground (0.24 MTPA) Coal Mine with Production Capacity of 1.0 MTPA within mine lease area of 932.00 ha by M/s. Prakash Industries Ltd. Located at villages Ammakhokha and Dallabhahara, Tehsil Bhaiyathan, District Surajpur(Chhattisgarh) under the provisions of the Environment Impact Assessment Notification,2006 and subsequent amendments/ circulars thereto subject to the compliance of the following terms & conditions/ specific conditions in addition to the standard environment conditions notified by the Ministry as under :-	Project proponent has consented to the condition.
		Specific condition:	
	i.	PP to obtain CTE/CTO from SPCB for production capacity of 1.0 MTPA for opencast and underground as proposed by PP subject to the submission of Forest Clearance.	Project proponent has consented to the condition. We have obtained CTE/CTO from SPCB for production capacity of 1.0 MTPA for opencast and underground.

	ii.	Peak production for opencast coal mine is 0.76 MTPA and 0.24 in case of underground thereby totaling 1 MTPA except for 2 years i.e. 2025-26 and 2026-27 wherein Opencast production shall be of 1 MTPA (Peak).	Project proponent has consented to the condition.
	iii.	PP shall adhere to the conditions of Stage I Forest Clearance for 515.581 ha forest land involved in the project for non-forestry activities.	Project proponent has consented to the condition.
	iv.	PP shall have to take measure to maintain water storage as available in earthen reservoirs/bunds namely Kuridih locate at South and Brijeshwar located at North side with the adequate flow water from diverted nala as well as with proper plantation all around the periphery of reservoir in consultation with Gram Panchayat.	Project proponent has consented to the condition. We have established reservoirs & bunds to maintain water storage & proper plantation all around the periphery of reservoir is being done in consultation with Gram Panchayat.
	v.	As recommended by EAC, the Manik Nala flowing in the North West direction of the mine lease area shall be diverted in the 6th year of mining operations only after obtaining in-principal approval from water resource department, Chhattisgarh. PP should ensure that storage capacity two existing earthen reservoirs may not get changed after diversion after 6 years.	Project proponent has consented to the condition.
	vi.	PP shall adequately measure and complete the plantation on the both sides of Nallah to be diverted as well as part of Nallah remains same in the Mine lease area.	Project proponent has consented to the condition.
	vii.	PP shall create at least 2 more artificial water bodies for Ground water recharge within or outside the mine lease area.	Project proponent has consented to the condition. We have made 2 nos artificial water bodies for ground water recharge within mine area and outside the Lease area.
	viii.	PP should dump the overburden (OB) at a safe distance of 100 m from Manik Nala as well as the PP shall provide Garland drain all along the toe of the dump keeping in mind to restrict the flow of mine water & Seepage from OB dump into Stream or Nallah. NO OB shall be dumped on forest land.	Project proponent has consented to the condition. We have been taking effective steps for construction of garland drains and check dams to restrict the flow of mine water & seepage from OB dump into Stream or Nallah. We have not dumped over burden on forest land.
	ix.	PP shall transport the coal with the covered truck capacity of 40 tonne and above for first three years after commissioning after 3rd year of mining PP shall explore 50% transportation of Coal through Railway siding.	Project proponent has consented to the condition. We have been using covered truck for transportation of Coal for first three years. After commissioning after 3rd year of mining, PP shall explore 50% transportation of Coal through Railway siding.
	x.	Project proponent to plant native trees with broad leaves along the transportation route in three years to prevent the effect of air pollution. After completion of tree plantation, number of trees shall be duly endorsed from district forest Officer.	Project proponent has consented to the condition. We have planted native trees with broad leaves along the transportation route to prevent the effect of air pollution.

	xi.	PP shall construct a pucca road to maintain the safety of people residing nearby along the transportation route with plantation on either side of the road. No village road shall be used for coal transportation.	Project proponent has consented to the condition. We have constructed pucca road to maintain the safety of people residing and the transportation route with plantation on either side of the road. Village roads are not used for coal transportation.
	xii.	PP shall installed fixed fog cannon (mist sprayer) and fixed sprinkler all along the haul road till CHP and OB Dump area and accordingly sufficient number of fog cannons (not less than 10 nos.) with 40 mts. jet length shall be installed within 6 months. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB.	Project proponent has consented to the condition. We have provided 10 nos. of fog canon and 05 nos of movable long-range canon at mine area & road area. We ensure that air pollution level under control to the standards prescribed by the MOEFCC/CPCB. Attached as **Annexure- I.**
	xiii.	PP to implement EMP budget of Rs. 405 Lakhs as capital expenditure on pollution control measure with annual recurring cost of RS 150 Lakhs.	Project proponent has consented to the condition.
	xiv.	PP to implement the public hearing budget of Rs. 233 Lakhs on proposed activities.	Project proponent has consented to the condition.
	xv.	In addition to manual monitoring, PP to install a continuous ambient air quality monitoring station at suitable location preferably village side with consultation of SPCB. The real time data so generated shall be uploaded on company website. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.	Project proponent has consented to the condition. We have installed one Continuous ambient air quality monitoring station (CAAQMS) for monitoring of pollutants level in ambient air and data's are being displayed digitally at entry and exit gate of mine lease area for public display. We are also providing adequate arrangement for online transfer of data of ambient air to CECB / CPCB server.
	xvi.	The status of mine closure activities must be included in every six months compliance report submitted to the State pollution control board and IRO.	Project proponent has consented to the condition. The status of mine closure activities enclosed as **Annexure – II.**
	xvii.	PP to install solar light along the road used for transportation of minerals to avoid the accidents at night and also seek its maintenance. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone within one year.	Project proponent has consented to the condition. We have installed solar light along the road used for transportation of minerals to avoid the accidents at night and maintenance of the same is being done from time to time.
	xviii.	PP to provide bio toilets to the villages located within the study area within 1 year from the grant of this EC.	Project proponent has consented to the condition. We have been providing bio toilets to the villages located within the study area.
	xix.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with us proper records.	Project proponent has consented to the condition. We have been conducting training programme on livelihood and skill development and record is being maintained.

	xx.	PP to fulfill all the commitment made in the minute of public hearing to address the issues raised therein in a time bound manner and a progressive report to be furnished to IRO in every six monthly as compliance report.	Project proponent has consented to the condition. We have been submitting progressive report of public hearing minutes. Copy of the same enclosed as per Annexure **Annexure – III (Colly).**
	xxi.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlight/masks away from the villagers and keeping the noise level well within the prescribed limits for day light/night hours.	Project proponent has consented to the condition. We have been adopting controlled blasting. We have been implementing mitigative measures for control of ground vibrations. We have been taking due precaution and appropriate measures to arrest and minimize vibration and noise effects during mining activities. The noise level has been remaining within the prescribed limit during day and night hours. We have been providing ear plugs/muffs to the workers engaged in blasting and drilling operations, and operations of HEMM etc.
	xxii.	PP shall pay to farmers of agricultural land if there is any loss due to pollution found by concerned District Commissioner as per extent rules or norms.	Project proponent has consented to the condition.
	xxiii.	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non-compliance or infringement should be reported to the concerned authority.	Project proponent has consented to the condition. We have established an environmental management cell to carry out function relating to environmental management under the supervision of senior executive and who is directly reporting to the head of organization. A full-fledged laboratory with qualified technical/ scientific staff has been provided to monitor the influent, effluent, ground water, soil, ambient air quality and environmental samples etc.
	xxiv.	PP to implement the recommendations of land subsidence study carried out for underground mine and report shall be submitted to IRO in every six-monthly report.	Project proponent has consented to the condition. Implementation of land subsidence study has been carried out for underground mine
	xxv.	PP to obtain the star rating as per the guideline of ministry of coal.	Project proponent has consented to the condition.
	xxvi.	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgment dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a 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	Project proponent has consented to the condition.

		which is fit for growth of fodder, flora fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEF&CC.	
4.1		The grant of environmental clearance is further subject to compliance of the Standard EC conditions applicable coal mining as under.	Project proponent has consented to the condition.
	(a)	Statutory compliance	
	i.	The project proponent shall obtain forest clearance under the provisions of forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Project proponent has consented to the condition.
	ii.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Project proponent has consented to the condition.
	iii.	The project proponent shall prepare a site-specific Conservation plan/Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of Schedule-I species in the study area).	Project proponent has consented to the condition.
	iv.	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	Project proponent has consented to the condition. We have obtained Consent to Establish & Consent to Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from Chhattisgarh Environment Conservation Board.
	v.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Project proponent has consented to the condition. Renewed NOC has been obtained from Central Ground Water Authority vide letter No. CGWA/ NOC/ MIN/ REN/1/ 2024/9997 dated 01.10.2024 for ground water drawl of 490 KLD.
	vi.	Solid/Hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management rules, 2016/Hazardous & Other Waste Management Rules, 2016.	Project proponent has consented to the condition.
	vii.	The Environment clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project.	Project proponent has consented to the condition.

	(b)	Air quality monitoring and preservation	
	i.	Continuous ambient air quality monitoring stations as prescribed in the statue be established in the core zone as well as in the buffer zone for monitoring of pollutants namely PM10, PM2.5, SO2 and NOx, Location of the station shall be decide based on the meteorological data,topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board, Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB, Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.	Project proponent has consented to the condition. We have established ambient air quality monitoring stations in core zone as well as in buffer zone for PM_{10}, $PM_{2.5}$, NO_X and SO_2. We have decided the location and number of ambient air quality stations based on meteorological data, topographical features and environmentally and ecologically sensitive targets. We have installed one Online continuous ambient air quality monitoring station (CAAQMS) and server connectivity to CPCB & CECB has been provided for transmission of real time data. Reports are regularly submitted to the Ministry of Environment & Forests, Government of India and Chhattisgarh Environment Conservation Board. CAAQMS photographs as annexed as **Annexure- IV.**
	ii.	The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standard notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board, Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.	Project proponent has consented to the condition. We have established ambient air quality monitoring stations in core zone for PM_{10}, $PM_{2.5}$, NO_X and SO_2. Environmental Monitoring Reports are being submitted along with six monthly compliance report. Copy of the same is enclosed as **Annexure – V.**
	iii.	Transportation of coal, to the extent permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water/mist sprinkling/rain gun etc shall be carried out in critical areas prone to air pollution (with higher values of PM10/PM2.5) such as haul road, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central /State Pollution Control Board.	Project proponent has consented to the condition. We have been using covered vehicles for transportation of coal. We have provided adequate measures such as water spraying arrangements on haul roads, loading and unloading points, transportation of coal, overburden, reject etc. to control the fugitive emissions and good housekeeping has been adopted. We ensure that ambient air quality parameters shall be maintained within standard prescribed by the Central /State Pollution Control Board. The photographs of trucks with tarpaulin cover is enclosed as per **Annexure – VI.** Wheel Washing system is installed along the entry & exit of mines. Photographs as annexed as **Annexure – VI A.**

	iv.	The transportation of coal shall be carried out as per the provisions and route envisaged in the approved Mining Plan or environment monitoring plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a “bypass” road, it should be so constructed so that the impact of sound, dust and accidents could be appropriately mitigated.	Project proponent has consented to the condition.
	v.	Vehicular emission shall be kept under control and regularly monitored. All the vehicle engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	Project proponent has consented to the condition. We ensure that vehicular emission is being kept under control and regularly monitored. We are using vehicles for mining and allied activities after obtaining 'PUC' certificate from the authorized pollution testing center.
	vi.	Coal stock pile/crusher/feeder and breaker material transfer point shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor’s gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	Project proponent has consented to the condition.
	vii.	Coal handling plant shall be operated with effective control measures w.r.t various environmental parameters. Environmentally friendly sustainable technology should be implemented for mitigating such parameters.	Project proponent has consented to the condition.
	viii.	Major approach roads shall be black topped and properly maintained.	Project proponent has consented to the condition. We have made major approach roads RCC and are being maintained properly.
	(c)	Water quality monitoring and preservation	
	i.	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.	Project proponent has consented to the condition.
	ii.	The monitored data shall be uploaded in the company's website and displayed at the project site at a suitable location. The circular No. J-20012/1/2006-IA. II (M) dated 27th May,2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Project proponent has consented to the condition. We have been displaying monitoring data at entry & exit gate of project site and uploading the data on company's website.
	iii.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post- monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MoEFCC/RO.	Project proponent has consented to the condition. Regular monitoring of ground water level and quality is being carried out by establishing a network of existing wells and constructing new piezometers at suitable locations at the proponent’s cost in and around mine area. Regular monitoring of surface and

			ground water quality have been carried out by establishing a network of stations at suitable locations in mine area/adjacent to mine area. The frequency of monitoring (quality and quantity) shall be four times a year - pre-monsoon, monsoon, post-monsoon and winter seasons. Data generated from groundwater monitoring to be submitted to CGWA, Regional office & Board on an annual basis. The ground water quality reports are attached in **Annexure – VII.**
	iv.	Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall maintained and submitted to the ministry of Environment, Forest and Climate Change/ Regional Office.	Project proponent has consented to the condition. There are no water bodies near Existing quarry area.
	v.	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	Project proponent has consented to the condition. Ground water, excluding mine water is not used for mining operations. We have implemented rainwater-harvesting technique in mine area and residential area for recharge of ground water.
	vi.	Catch and/or garland drains and siltation ponds in adequate numbers and appropriate size shall be constructed around the mine working, coal heaps & OB dumps to prevent run off of water and flow of sediments directly into the river and water bodies, Further, dump material shall be properly consolidated/ compacted and accumulation of water over dump shall be avoided by providing adequate channels for flow of silt into the drains. The drains / ponds so constructed shall be regularly de-silted particularly before onset of monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. The water so collected in the sump shall be utilised for dust suppression and green belt development and other industrial use. Dimension of the retaining wall constructed, if any, at the toe the OB dumps within the mine to check run-off and siltation should be based on the rainfall data. The plantation of native species to be made between toe of the dump and adjacent field/habitation bodies.	Project proponent has consented to the condition. We shall take effective steps like construction of garland drains with sufficient number of check dams to check the soil erosion from over burden/waste material dumping areas and causing silting problems in nearby nalla/river/pond during rainy season. Garland drain and sump capacity have been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. We have been providing suitable arrangement of drains/pipe networks to ensure adequate flow of full utilization of treated effluent inside the mining lease area. Treated waste water/effluent have been recycled for mine operations and maintain Zero discharge condition to the maximum possible extent. The mine discharge water/domestic effluent after proper treatment shall be utilized in plantation, dust suppression, sprinkling on roads and other useful

			purpose. We shall plant trees for soil stabilization along the slopes of the dump. The surface run-off shall be de-silted through a series of check dams and drains before final disposal/re-use.
	vii.	Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) after due treatment conforming to the specific requirement (standards).	Project proponent has consented to the condition. We have implemented rainwater-harvesting technique in mine area and residential area for recharge of ground water.
	viii.	Industrial waste water generated from CHP, workshop and other waste water, shall be properly collected and treated so as to conform to the standards prescribed under the standards prescribed under Water Act 1974 and Environment (protection) Act, 1986 and the Rules made there under, and as amended from time-to-time Adequate ETP /STP needs to be provided.	Project proponent has consented to the condition. We have installed Effluent Treatment Plant (ETP) for a capacity of 20 KLD for treatment of effluent water. The Waste Water from Washing of the vehicles & HEMM machines is being treated properly in Effluent Treatment Plant (ETP). We have provided adequate number of Check Dams for settlement of silt / mud for the run of water. The treated water of the Mine shall be first utilized for suppression of dust in the Mine area as well as haul roads. We have installed Sewage Treatment Plant (STP) for a capacity of 45 KLD for treatment of sewage water at residential colony. The treated water is being utilized for Horticulture and Plantation purpose. The suitable drains and pipes have been provided for full utilization of the treated water. Attached as **Annexure-VIII.**
	ix.	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. Watering the mine, area roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly.	Project proponent has consented to the condition.
	x.	The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations considering the presence of river/rivulet/ pond/lake etc. shall be prepared and implemented by the project proponent. The surface drainage plan and /or any diversion of natural water courses shall be as per the approved Mining Plan/EIA/EMP/ report and with due approval of the concerned State/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 par the permission of DGMS or any other authority as prescribed by the law.	Project proponent has consented to the condition.

	xi.	The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A rivarine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation/water resource department in the state government.	Project proponent has consented to the condition. We are taking all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. We prepared riverine / riparian ecosystem conservation and management plan and implementing in consultation with the irrigation/ water resource department in the state government.
	xii.	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/ nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.	Project proponent has consented to the condition.
	xiii.	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low-lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff.	Project proponent has consented to the condition. We have taken effective steps like construction of garland drains with sufficient number of check dams to check the soil erosion from over burden/waste material dumping areas and causing silting problems in nearby nalla/river/ pond during rainy season. Garland drain and sump capacity have been designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. We have been providing suitable arrangement of drains/pipe networks to ensure adequate flow of full utilization of treated effluent inside the mining lease area. Treated waste water/effluent has been recycled for mine operations and maintain Zero discharge condition to the maximum possible extent. The mine discharge water/domestic effluent after proper treatment has been utilized in plantation, dust suppression, sprinkling on roads and other useful purpose. The surface run-off shall be de-silted through a series of check dams and drains before final disposal/re-use.

	(d)	Noise and Vibration monitoring and prevention	
	i.	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules.2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc. shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	Project proponent has consented to the condition. We have adopted controlled blasting and ensure that blasting and other mining operations do not cause any damage to the nearby segments. We have implemented mitigative measures for control of ground vibrations and to arrest fly rocks and boulders. We are taking due precaution and appropriate measures to arrest and minimize vibration and noise effects during mining activities. The noise level has been remaining within the prescribed limit during day and night hours. We have been complying occupational exposure limit of noise specified by Director General of Mines Safety (DGMS). We have provided ear plugs/muffs to the workers engaged in blasting and drilling operations, operations of HEMM etc. Awareness program & training are being conducted and progress of the same is being monitored.
	ii.	Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc., as per the guidelines prescribed by the DGMS.	Project proponent has consented to the condition. We have adopted controlled blasting and ensure that blasting and other mining operations do not cause any damage to the nearby segments. We have implemented mitigative measures to control ground vibrations and to arrest fly rocks and boulders. We are taking due precaution and appropriate measures to arrest and minimize vibration and noise effects during mining activities. The noise level has been remaining within the prescribed limit during day and night hours. We have been complying occupational exposure limit of noise specified by Director General of Mines Safety (DGMS). We are providing ear plugs/muffs to the workers engaged in blasting and drilling operations, operations of HEMM etc.

	iii.	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	Project proponent has consented to the condition. The noise level survey has been carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and reports have been regularly submitted to the Ministry/RO on six-monthly basis. Data's of noise level are given in **Annexure – IX.**
	(e)	Mining Plan	
	i.	Mining shall be carried out under strict adherence to provisions of the Mine Act 1952 and subordinate legislations made there-under as applicable.	Project proponent has consented to the condition.
	ii.	Mining shall be carried out as per the approved mining plan (including Mine Closure plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mine Safety (DGMS).	Project proponent has consented to the condition. We ensure that mining activities have been 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 Mine Safety (DGMS).
	iii.	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.	Project proponent has consented to the condition. We have installed energy efficient electrical equipments to reduce energy and fuel consumption by conservation, and solar system is installed for renewable energy.
	iv.	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment. Forests and Climate Change (MoEFCC).	Project proponent has consented to the condition.
	v.	Underground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.	Project proponent has consented to the condition. Presently open cast mine area is in operation.
	vi.	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	Project proponent has consented to the condition. We ensure that no mining activity shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act. 1980 and also abide to the scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act,1927.

	(f)	Land reclamation	
	i.	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change (MOEFCC) from time to time shall be submitted to MOEFCC/ Regional Office (RO).	Project proponent has consented to the condition. We shall carry digital survey of entire lease hold area/core zone using Satellite Remote Sensing survey in three years.
	ii.	The final mine void depth should preferably be as per the approved Mine Closure Plan, and in case it exceeds 40 m, adequate engineering interventions shall be provided for sustenance of aquatic life therein. The remaining area shall be back filled and covered with thick and alive top soil. Post-mining land be rendered usable for agricultural/forestry purposes and shall be diverted. Further action will be treated as specified in the guidelines for Preparation of mine Closure Plan issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	Project proponent has consented to the condition.
	iii.	The entire excavated area, back filling, external OB dumping (including top soil) and afforestation Plan shall be in conformity with the "during mining "/: post mining" land -use pattern, which is an integral part of the approved Mining Plan and the EIA/EMP submitted to this Ministry. Progressive compliance status vis-a-vis the post mining land use pattern shall be submitted to the MoEFCC/RO.	Project proponent has consented to the condition. Report of land use pattern shall be submitted to the MoEF&CC/RO. Compliance status of the post mining land use pattern is attached as **Annexure – X.**
	iv.	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i.) and (ii.) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3rd November,2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	Project proponent has consented to the condition.
	v.	Further, it may be ensured that as per the time schedule specified in mine closure plan it should remain live till the point of utilization. The topsoil shall temporarily be stored at earmarked site (s) only and shall not be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be back filled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	Project proponent has consented to the condition. The topsoil shall be temporarily stored at earmarked site (s) only and shall be kept unutilized. The top soil shall be used for land reclamation and plantation purposes. Active OB dumps shall be stabilised with native grass species to prevent erosion and surface run off. The other overburden dumps shall be vegetated with native flora species. The excavated area shall be back filled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas shall continue

			until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change/Regional Office from time to time.
	vi.	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing. If any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	Project proponent has consented to the condition.
	vii.	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August,2009 and subsequent amendments.	Project proponent has consented to the condition.
	viii.	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.	Project proponent has consented to the condition. Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks shall be effectively plugged in with ballast and clay soil/suitable material.
	ix.	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.	Project proponent has consented to the condition. A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures will be carried out.
	x.	Through inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.	Project proponent has consented to the condition.
	xi.	Native tree species shall be selected and planted over areas affected by subsidence.	Project proponent has consented to the condition.
	(g)	Green Belt	
	i.	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna. If any,	Project proponent has consented to the condition.

		spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.	
	ii.	Green belt consisting of 3-tier plantation of width not less than 7.5 m shall be developed all along the mine lease area as soon as possible. The green belt comprising a mix of native species (endemic species should be given priority) shall be developed all along the major approach/coal transportation roads.	Project proponent has consented to the condition. We have been native species planted 16,589 plants along the village roads, Safety zone, ETP, Pit office, School Campus & administrative building.
	(h)	Public hearing and Human health issues	
	i.	Adequate illumination shall be ensured in all mine location (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it 's RO on six-monthly basis.	Project proponent has consented to the condition. Monitoring of Illumination in mine area is being monitored on weekly basis and report of the same is being submitted RO, MoEF&CC on six monthly basis. Datas of illumination are enclosed as **Annexure – XI.**
	ii.	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules,1955 and DGMS circulars. Besides regular periodic health check-up 20% of the personnel identified from work force engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	Project proponent has consented to the condition. occupational health survey for initial and periodical medical examination of the personnel are being conducted and records are being maintained.
	iii.	Personnel (including outsourced employees) working in Core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	Project proponent has consented to the condition. Protective respiratory devices have been provided and awareness programme & training have been conducted.
	iv.	Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R & R policy of the company/ State Government/Central Government, as applicable.	Project proponent has consented to the condition. We ensure that Implementation of the action plan on the issues raised during the public hearing. R&R policy shall be implemented.
	v.	The project proponent shall follow the mitigation measures provided in this ministry's OM No. Z-11013/5712014-IA.II (M) dated 29th October,2014 titled Impact of mining activities on habitation-issues related to the mining projects wherein habitation and villages are the part of mine lease areas or habitation and villages are surrounded by the mine lease area'.	Project proponent has consented to the condition.

	vi.	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.	Project proponent has consented to the condition. Skill training as per safety norms specified by DGMS heap provided providing to all workmen including the outsourcing employees to ensure high safety standards in mines.
	vii.	Effective arrangement shall be made to provide and maintain at suitable points, conveniently situated a sufficient supply of drinking water for all the persons employed.	Project proponent has consented to the condition. We are providing sufficient supply of drinking water for all the persons employed.
	(i)	Corporate Environment Responsibility	
	i.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedure to have proper checks and balances and to bring into focus any infringement/deviation/violation of the environmental/forest/wildlife norms/conditions, the company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and /or shareholders/stake holders.	Project proponent has consented to the condition. Environmental policy has been displayed for standard operating procedure of mining activities.
	ii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set under the control of senior Executive, who will directly to the head of the organization.	Project proponent has consented to the condition. We have established an environmental management cell to carry out functions relating to environmental management under the supervision of senior executive and who is directly reporting to the head of organization.
	iii.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by component authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	Project proponent has consented to the condition. We have prepared action plan for implementing EMP and environmental conditions along with responsibility matrix of the company and approved by component authority. We keep separate funds for implementation of the above-mentioned conditions and for environmental safeguards. The funds earmarked for the environmental protection measures shall not be diverted for any other purposes and year wise expenditure details will be submitted to the Board. Details are enclosed as **Annexure – XII.**
	iv.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Project proponent has consented to the condition. We shall conducted environmental audit on annual basis and third-party environmental audit shall be carried out every three years.

	(j)	Miscellaneous	
	i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Project proponent has consented to the condition and complied.
	ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Head of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Project proponent has consented to the condition and complied.
	iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Project proponent has consented to the condition and complied. Project proponent is regularly uploading six monthly compliance report in company's website@ www.prakash.com.
	iv.	The project proponent shall monitor the criteria pollutant level namely; PM10, SO2, NOx (ambient level) or critical sectoral parameters, indicated for the project and display the same at a convenient location for disclosure to the public and put on the website of the company.	Project proponent has consented to the condition and complied. Project proponent is regularly uploading six monthly compliance report on company's website@ www.prakash.com.
	v.	The project proponent shall submit six-monthly report on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Project proponent has consented to the condition and complied. Project proponent is regularly uploading six monthly compliance report in company's website@ www.prakash.com.
	vi.	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining project wherein habitation and villages are the part of mine lease areas or habitation and villages are surrounded by the mine lease area'.	Project proponent has consented to the condition.
	vii.	The project proponent shall submit the environmental statement for each financial year in form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, and put on the website of the company.	Project proponent has consented to the condition and complied. Environmental statement for the period of April 2024 to March 2025 was submitted to CECB vide PIL/BSP/MD/BCM/ENV-Statement 2025/41 dtd. 01/05/2025 and regularly uploading environmental statement in company's website@www.prakash.com.
	viii.	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Project proponent has consented to the condition and complied.

	ix.	The project authorities must strictly adhere to the	Project proponent has consented to

		stipulations made by the State Pollution Control Board and the State Government.	the condition.
	x.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Project proponent has consented to the condition.
	xi.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change.	Project proponent has consented to the condition.
	xii.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Project proponent has consented to the condition.
	xiii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Project proponent has consented to the condition.
	xiv.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Project proponent has consented to the condition.
	xv.	The Regional office of this Ministry shall monitor compliance of the stipulated conditions. The authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Project proponent has consented to the condition. We are always cooperating with officer (s) of the MoEF&CC, CPCB, CECB & other Government Offices by furnishing the requisite data / information/ monitoring reports.
	xvi.	The above conditions shall be enforced inter-alia under the provisions of the Water(Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment(Protection) Act, 1986, Hazardous and other Waste (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.	Project proponent has consented to the condition.
5		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 raised during public hearing shall also be implemented in letter and spirit.	Project proponent has consented to the condition.
6		The proponent shall obtain all necessary clearance/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. The Ministry or any other competent authority may stipulate any further condition for environmental protection.	Project proponent has consented to the condition. We have obtained statutory clearances / approvals from concerned Central/State Government departments, Boards, Bodies and Corporations etc. before start of mining activity. We shall follow direction issued by Central/ State Government, Central Pollution Control Board/ Chhattisgarh Environment Conservation Board from

			time to time regarding control of water & air pollution and for environmental conservation.
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.	Project proponent has consented to the condition.
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 Government at any point of time, in term of the orders dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of' Common Cause Vs Union of India & others.	Project proponent has consented to the condition.
9		The concerned State Government shall ensure no mining operation 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 judgment of Hon'ble Supreme Court.	Project proponent has consented to the condition.
10		The environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirement.	Project proponent has consented to the condition.

Annexure-I

Photographs of Fog Cannon

Chapter-8: Progressive & Final Mine Closure Plan

8.1.1 Land Degradation and restoration Schedule

Tentative Land Degradation and Technical Reclamation (Commutative Area Ha)									
Year/Stage		Land Degraded				Technically Reclaimed Area			
(Life of the mine plus post closure period)		Excav	Dump (Extn + Top Soil)	Infra/others	Total	Backfill	Dump (Extn + Top Soil)	Others	Total
Up to Base year									
Y-1	2023-24	10.70	27.27	14.26	52.2300				
Y-3	2025-26	90.29	94.47	59.27	244.0300	22.70	94.47	5.67	122.8400
Y-5	2027-28	122.69	94.93	180.5	398.1200	60.31	94.93	10.28	165.5200
Y-10	2032-33	166.55	94.93	377.71	639.1900	161.06	94.93	15.32	271.3100
Y-15	2037-38	241.46	94.93	377.71	714.1000	255.22	94.93	24.27	374.4200
Y-20	2042-43	310.25	94.93	377.71	782.8900	272.38	94.93	24.27	391.5800
Y-25	2047-48	457.366	94.93	379.704	932.0000	303.27	94.93	24.27	422.4700
Post Closure									
Y-28	2050-51	457.366	94.93	379.704	932.00	303.27	94.93	533.80	932.00

8.1.2 TentativeBiological Reclamation (Cumulative in “Ha”)

Year/Stage		Biologically Reclaimed Area					Forest land (Return)	Un Disturbed/ To be left for Public/com Use	Total
(Life of the mine plus post closure period)		Agriculture	Plantation	Water Body	Public/ Company Use	Total			
Up to Base year									
Y-1	2023-24	0	0	1.13	0	1.1300			1.1300
Y-3	2025-26	0	5.67	1.13	0	6.8000	0		6.8000
Y-5	2027-28	0	40.07	1.13	0	41.2000	0	0	41.2000
Y-10	2032-33	0	107.80	1.13	0	108.9300	0	0	108.9300
Y-15	2037-38	0	215.65	20.52	0	236.1700	0	0	236.1700
Y-20	2042-43	0	325.60	97.45	0	423.0500	0	0	423.0500
Y-25	2047-48	0	398.20	147.77	0	545.9700	201.80	184.23	932.0000
		0	0	0		0.0000	0	0	0.0000
Post Closure									
Y-28	2050-51	0	404.530	147.77	0	552.300	515.581	184.229	932.000

S.No	Parameters	Details
8.2	Post Closure Water Quality management (Existing water bodies available in the lease hold area; Measures to be taken for protection of the same including control of erosion, sedimentation, siltation, water.	After completion of the Mining Activity pumping water for the mine will continue for a while and the water will be let out onto nearby nallah through a settling Pond.
8.3	Post Closure Air Quality management.	After completion of the Mining Activity certain points are earmaked for collection of samples and regular monitoring as per permission.

8.4 Waste Management (Figures in MM3) (Tentative)

Year/Stage		OB Removal			External Dump		Internal Backfilling		Embankment	
(Life of the mine plus post closure period)		(Cumulative)			(Cumulative)		(Cumulative)		(Cumulative)	
		Top Soil	OB	Total	Top Soil	OB	Top Soil	OB	Top Soil	OB
Up to Base year										
Y-1	2023-24	0.11	2.22	2.33	0.11	2.22	0	0		
Y-3	2025-26	0.37	21.25	21.62	0.37	16.71	0	4.54		
Y-5	2027-28	1.04	37.28	38.32	0.92	24.92	0.12	12.36		
Y-10	2032-33	1.88	71.59	73.47	1.62	36.48	0.26	35.11		
Y-15	2037-38	3.50	89.47	92.97	3.02	37.61	0.48	51.86		
Y-20	2042-43	4.41	113.51	117.92	3.93	38.52	0.48	74.99		
Y-25	2047-48	5.25	155.97	161.22	4.77	43.56	0.48	112.41		
Post Closure										
Y-28	2050-51	5.25	155.97	161.22	4.77	43.56	0.48	112.41		

8.5 Top Soil Management – (Including Action plan for Top Soil management) (Tentative)

Year/Stage		Top Soil Removal Plan	Top Soil Used				
(Life of the mine plus post closure period)			Spreading Over Embankment	Spreading Over Backfill area	Spreading Over External OB Dump area	Used in Green Belt area	Total Utilised
Up to Base year							
Y-1	2023-24	0.11				0.11	0.11
Y-3	2025-26	0.37				0.11	0.11
Y-5	2027-28	1.04			0.12		0.12
Y-10	2032-33	1.88		1.62	0.26		1.88
Y-15	2037-38	3.50		2.24	0.48		2.72
Y-20	2042-43	4.41		3.09	0.48		3.57
Y-25	2047-48	5.25		3.93	0.48		4.41
Post Closure							
Y-28	2050-51	5.25		4.77	0.48		5.25

S.No	Parameters	Details
8.6	Management of Coal Rejects.	Washery not required, therefore not applicable.
8.7	Restoration of Land used for Infrastructure.	Infrastructure to be retained area - Water Pipe line, Water Tanks, Over head electrical transmission line established for supply of power to these facilities and roads construction to serve these facilities.
8.8	Disposal of Mining Machinery.	Disposal of scrap and such machineries which are not in use in O / C mines will be disposed off towards the end of the mine operation. The equipment including HEMM deployed by company will be taken back to other projects. Therefore. no equipment will left in the mine premises at the time of mine closure/after final mine closure. The disposal of the owner equipment will be completed within 5 years after mines life. No mining machinery will be permitted to remain in the lease area after completing the closure activities.
8.9	Safety & Security.	To ensure safety in operating the mine, all provisions of Coal Mine Regulations 2017 along with Circulars issued by Director-General of Mines Safety from time to time shall be adhered to. In addition, related statues viz. Mines Act 1952, Mines Rules 1955 and others shall also will be complied with. Some of the important statutory provisions relating to mechanized open cast mine which recently have been incorporated in Regulation are reiterated in the following paragraphs. Safety Management Plan For complying with Reg. 104 of CMR 2017, exercise shall be done to identify, assess and record the hazards of health and safety of the persons employed in the mine after consulting the Safety Committee and Internal Safety Organisation (ISO). Based on the above, Safety Management Plan (SMP) shall be formulated for overall management for developing and implementing the safety policy of the company. SMP shall contain, inter alia, plan to implement the policy, principal hazard management, standard operating procedure (SOP), monitor, evaluate and review the plan. Mechanized opencast working For complying with Reg. 106 (2), before starting mining operation, it will be ensured that the mine including its method of working , ultimate pit slope, dump slope and monitoring of slope stability has been planned, designed and worked as determined by a scientific study, and a copy of the report of such study, shall be kept available in the office of the mine.Rear Dumpers deployed shall be provided with Audio Visual Alarms and proper lights. Suitable type of fire extinguishers shall be provided in every machine. Modern dumpers are presently equipped with automatic fire alarm and sprinkler systems.Precautions against danger of inundation from surface waterA careful assessment is to be made regarding danger from surface water before the onset of rainy season/ the necessary precautions should be clearly laid down and implemented. A garland drain needs to be provided to drain away the surface rainwater entering into the mine. Inspections to determine any accumulation of rainwater and obstruction in normal drainage.Standing order should be in place, for withdrawal of working persons in case pf apprehended dangerDuring heavy rain inspection of vulnerable points is essential in case of any danger persons are to be withdrawn to safer places.Nallah or water inlets may be diverted or isolated by embankments if so required.

8.10 Abandonment Cost and Financial Assurance.

8.10.1 Abandonment Cost: Cost of Activities to be taken up for closure of the mine

Head	Activities	Unit	Quantity	Rate RS/Unit	Amount RS Cr
Progressive Closure	Water quality management	Ls	26	2000000	5.200
	Air quality management	Ls	26	2000000	5.200
	Waste Management	M CUM	20	10000000	20.000
	Barbed wire fencing around dump	m	5000	700	0.350
	Barbed wire fencing around the pit	m	15000	700	1.050
	Filling of Void - Rehanding of Crown dump	MM3	18.15	15000000	27.225
	Top Soil Management	MM3	5.25	5000000	2.625
	Technical And Biological Reclamation of Mined out of land and OB Dump	Ha	465.74	750000	34.931
	Plantation over virgin area including green belt	Ha	24.27	750000	1.820
	Manpower Cost and Supervision	month	220	70000	1.54
	Total wall around the dump	m	4924	1500	0.739
	Garland drain	m	7500	5000	3.750
	Garland drain around the dump	m	5000	200	0.100
	Any other Activity	ls			
	Any other Activity - 2				
	Any other Activity - 3				
	Any other Activity - 4				
	Any other Activity - 5				
Dismentaling of infrastrucure & Disposal/ rehabilitation of mining Machinery	Dismentaling of workshop	Ls			0.400
	Rehabilitation of the dismentaled fascilities	Ls			0.150
	Dismentaling of pump and pipes/ other fascilities.	Ls			0.450
	Dismentaling of stowing bunker, provisioning of pumps for borewell pumping arrangement.				0.300
	Dismentaling of UG equipment				2.000
	Rearranging water pipeline to dump top park/Agriculture land	Ls			0.150
	Dismentaling of power lines.				0.100
	Any other Activity				
Safety and Security	Barbed wire fencing around dump	Already Covered			
	Barbed wire fencing around the pit	Already Covered			
	Barbed wire fencing with Masonalry piller				0.350
	Concrete wall with Masonalry pillers around the pit	m			
	Securing air shaft and installation of borewall pump				0.300
	Securing of incline				2.000
	Concrete wall fencing around the water body				
	Boundary wall around the water body				
	Stabilisation (viz benching, pitching etc) of side walls of the water body				0.250
	Toe wall around the dump	Already Covered			
	Garland Drain	Already Covered			
	Garland Drain around the dump	Already Covered			

	Drainage channel from main Ob dump				0.200
	Any other Activity				
Technical and Biological Reclamation of mined out of land and OB Dump	Filling of Void	Ha			
	Top soil management	MM3			
	OB Rehandling for backfilling	MM3			
	Terracing, blanketing with soil and vegetation of External OB Dump	Ha	95.87	500000	4.794
	Paripharel road, gates, view point, cemented steps on bank				0.150
	Expenditure on development of Agriculture land				
	Landscaping and Plantation	Ls			0.300
	Any other Activity				
Post Closure management and supervision	Power Cost	Ls			0.150
	Post mining water quality management	Ls	3	500000	0.150
	Post mining air quality management	Ls	3	500000	0.150
	Subsidence monitoring for 5 years	Ls	5	500000	0.250
	Waste management	Ls			
	Manpower Cost and supervision	Ls	3	800000	0.24
	Manpower Cost and supervision				
Others	Enterprenuership development(vocational/skill development training for sustainable income of affected people)				0.300
	Golden Handshake/Retrenchment benefits to 100 employees of OC				0.050
	Golden Handshake/Retrenchment benefits to 200 employees of UG				0.250
	Onetime financial grant to societies/ institutions/ organisations which is dependent upon the project				0.200
	Provide Jobs in other mines of company				
	Continuation of other services like running of school etc.				0.200
	Any other Activity				
Total					118.37

8.10.2 Financial Assurance : Amount to be deposited in Escrow account as a security against the mine activities to be carried out for the closure of the mine

WPI as on	Apr-19	121.10
WPI as on base date		136
Escalation rate of Closure cost		1.123
	UG	OC
Base Cost "Rs. Crs/Ha	0.015	0.09
Closure Cost "Rs. Crs/Ha"	0.017	0.101
Project Area "Ha"	379.704	552.296
Amount to be depostied into Escrow Account "Rs. in Crs	6.455	55.782
Amount already deposited into Escrow Account "Rs. in Crs	0	0
Net Amount to be depositied into Escrow Account "Rs. in Crs	6.455	55.782
Rate of componding of Annual Closure Cost		5.00%
Balance Life of the project "in Yrs	22	25
Annual Closure Cost "Rs. in Crs"	0.293	2.231
Amount to be deposited into Escrow Account after compounding @ of 5% "Rs. in Crs"		117.761

Prepared By Awadhesh Kumar Sinha On 12/05/2022

Amount to be deposited into Escrow

Year	OC	Year	UG	Total
1	2.231	1	0.293	2.524
2	2.343	2	0.308	2.651
3	2.46	3	0.323	2.783
4	2.583	4	0.339	2.922
5	2.712	5	0.356	3.068
6	2.847	6	0.374	3.221
7	2.99	7	0.393	3.383
8	3.139	8	0.412	3.551
9	3.296	9	0.433	3.729
10	3.461	10	0.455	3.916
11	3.634	11	0.477	4.111
12	3.816	12	0.501	4.317
13	4.007	13	0.526	4.533
14	4.207	14	0.552	4.759
15	4.417	15	0.58	4.997
16	4.638	16	0.609	5.247
17	4.87	17	0.64	5.51
18	5.113	18	0.672	5.785
19	5.369	19	0.705	6.074
20	5.638	20	0.74	6.378
21	5.92	21	0.777	6.697
22	6.215	22	0.816	7.031
23	6.526			6.526
24	6.853			6.853
25	7.195			7.195
Total	106.480		11.281	117.761

Prepared By Awadhesh Kumar Sinha On 12/05/2022

Annexure - III

DETAILS OF CORPORATE SOCIAL RESPONSIBILITY EXPENSES

Sl. No.	For the period of October – 2024 to Sept – 2025	
	Details of important work done at site (Panchayat/ Villages) etc	**Expenses (In Rs.)**
1	**Drinking Water Facility** (Engagement of water tanker for supply of drinking water to the nearby village and expenditure for supply of drinking water through pipeline.)	**11,11,150.00**
2	**Promotion of Education**	**1,74,100.00**
3	**Health care** (Supply of medicine, Health Check-up in nearby Villages and Ambulance, etc.)	**35,45,657.00**
4	**Environmental awareness** (Plantation, solar connection and water sprinkling through fog canon haul roads, transportation road for suppression of dust). ETP & STP operation.	**11,70,800.00**
7	Financial assistance to the nearby villages for religious and cultural activities, sports competition etc.	**12,68,852.00**
8	Miscellaneous (Infrastructure development, expenses reference to social welfare activities etc.)	**17,73,522.00**
	Grand Total =	**90,44,081.00**

Annexure – III (Colly.)

Public Hearing Points & Compliance

Sl. No.	Public hearing issues raised on 09.11.2022	Compliance	Expenditure (In Rs.)
1	Provision of drinking water to all the 7 Villages	One water tankers has been engaged by the company for supply of drinking water to the nearby villages every day. In addition to this, drinking water is also being supplied to the Dhanauli Khurd. village through pipeline connection and over head tank. Establish One Number Hand Pump in mahuapara (Kewara Village) and repaired all Hand Pumps of Nearby Villages i.e. Kewara, Dhanauli Khurd, Khadapara, Kusmusi, Kurridih, Baskarpara, Badsara, Samoli, Total no. of hand pumps repaired in these villages are 84.	**Rs.11,11,150/-**
2	Development of existing Anganwadis in all the 7 villages	Survey work completed and we will provide as per their requirement.	Scheme for development of anganwadis is under preparation and to be taken up during 25-26
3	Development of existing inner village roads with the participation of the District administration in all the 7 villages	We will repair/construct the existing inner village roads as per requirement.	To be carried out in 2025-26
4	Strengthening the education sector in Government schools in all the 7 village	Strengthened School buildings & other infrastructure in nearby village schools.	**Rs.1,74,100/-**
5	Fully equipped Ambulance will be purchased and maintained by PIL	Provided. (Round the Clock)	**Rs.26,61,797/-**
6	Avenue plantation along the village roads with approximately 10,000 plants will be planted	Plantation already carried out in office campus, in village road, School campus and development of safety zone of mining lease area with 16,589 plants.	**Rs. 8,65,000/-**
		Grand Total	**48,12,047/-**

Annexure-IV

Photographs of Continuous Ambient Air Quality Monitoring System CAAQMS

Annexure-V

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
AMBIENT AIR QUALITY MONITORING DATA
FOR THE MONTH OF APRIL 2025

Date	Parameter	Unit	Location – 1 Nr. Guest house	Location – 2 Nr. Weigh Bridge	Location – 3 Nr. Effluent Treatment Plant (ETP)	Location – 4 Village-Kushmushi Nr. Ram Gulab Paikra House
01/04/25	PM (PM_{10})	$\mu g/m^3$	32.89	37.29	43.65	30.24
	PM ($PM_{2.5}$)	$\mu g/m^3$	21.73	28.57	31.55	20.36
	SO_2	$\mu g/m^3$	12.10	15.18	18.30	10.25
	NO_X	$\mu g/m^3$	17.30	20.15	24.25	15.50
	CO	mg/m^3	0.27	0.35	0.45	0.23
08/04/2025	PM (PM_{10})	$\mu g/m^3$	28.21	35.10	40.73	25.22
	PM ($PM_{2.5}$)	$\mu g/m^3$	16.65	24.33	29.12	12.96
	SO_2	$\mu g/m^3$	14.15	20.41	23.17	11.50
	NO_X	$\mu g/m^3$	19.20	25.11	28.40	16.35
	CO	mg/m^3	0.21	0.30	0.55	0.28
15/04/25	PM (PM_{10})	$\mu g/m^3$	37.11	41.31	46.10	27.26
	PM ($PM_{2.5}$)	$\mu g/m^3$	25.00	33.12	37.44	15.39
	SO_2	$\mu g/m^3$	17.50	22.44	24.38	13.26
	NO_X	$\mu g/m^3$	21.34	27.10	30.51	18.45
	CO	mg/m^3	0.25	0.40	0.50	0.30
22/04/25	PM (PM_{10})	$\mu g/m^3$	35.31	39.43	49.00	33.41
	PM ($PM_{2.5}$)	$\mu g/m^3$	19.33	28.10	34.55	23.52
	SO_2	$\mu g/m^3$	16.12	19.36	26.48	15.60
	NO_X	$\mu g/m^3$	22.55	29.11	32.19	20.50
	CO	mg/m^3	0.32	0.45	0.58	0.31
29/04/25	PM (PM_{10})	$\mu g/m^3$	23.14	27.37	38.15	19.20
	PM ($PM_{2.5}$)	$\mu g/m^3$	12.50	20.78	25.00	10.50
	SO_2	$\mu g/m^3$	11.00	13.30	21.13	9.17
	NO_X	$\mu g/m^3$	17.00	21.49	26.53	14.20
	CO	mg/m^3	0.18	0.42	0.52	0.20

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
AMBIENT AIR QUALITY MONITORING DATA
FOR THE MONTH OF MAY 2025

Date	Parameter	Unit	Location – 1 Nr. Guest house	Location – 2 Nr. Weigh Bridge	Location – 3 Nr. Effluent Treatment Plant (ETP)	Location – 4 Village-Kushmushi Nr. Ram Gulab Paikra House
06/05/25	PM (PM_{10})	$\mu g/m^3$	35.45	40.68	46.35	33.56
	PM ($PM_{2.5}$)	$\mu g/m^3$	24.13	31.25	33.16	22.83
	SO_2	$\mu g/m^3$	14.11	18.20	21.35	13.40
	NO_X	$\mu g/m^3$	22.33	25.41	28.20	19.30
	CO	mg/m^3	0.30	0.38	0.50	0.28
13/05/2025	PM (PM_{10})	$\mu g/m^3$	29.58	32.26	42.54	27.19
	PM ($PM_{2.5}$)	$\mu g/m^3$	21.74	25.40	34.10	16.32
	SO_2	$\mu g/m^3$	11.50	15.17	22.30	10.70
	NO_X	$\mu g/m^3$	18.46	23.60	31.53	17.80
	CO	mg/m^3	0.25	0.35	0.60	0.30
20/05/25	PM (PM_{10})	$\mu g/m^3$	25.13	36.29	44.22	30.50
	PM ($PM_{2.5}$)	$\mu g/m^3$	17.20	27.50	32.11	19.61
	SO_2	$\mu g/m^3$	13.19	19.40	23.10	12.52
	NO_X	$\mu g/m^3$	24.15	30.37	33.18	20.36
	CO	mg/m^3	0.20	0.29	0.55	0.34
27/05/25	PM (PM_{10})	$\mu g/m^3$	28.17	38.15	48.13	24.35
	PM ($PM_{2.5}$)	$\mu g/m^3$	18.38	30.19	36.21	15.30
	SO_2	$\mu g/m^3$	19.25	17.55	25.61	20.12
	NO_X	$\mu g/m^3$	28.46	26.14	35.28	30.14
	CO	mg/m^3	0.28	0.32	0.45	0.26

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
AMBIENT AIR QUALITY MONITORING DATA
FOR THE MONTH OF JUNE 2025

Date	Parameter	Unit	Location – 1 Nr. Guest house	Location – 2 Nr. Weigh Bridge	Location – 3 Nr. Effluent Treatment Plant (ETP)	Location – 4 Village-Kushmushi Nr. Ram Gulab Paikra House
03/06/25	PM (PM_{10})	$\mu g/m^3$	38.36	44.82	49.70	36.85
	PM ($PM_{2.5}$)	$\mu g/m^3$	27.15	34.50	36.14	25.30
	SO_2	$\mu g/m^3$	16.13	20.23	23.28	14.20
	NO_X	$\mu g/m^3$	26.42	28.50	32.16	21.11
	CO	mg/m^3	0.35	0.41	0.47	0.32
10/06/2025	PM (PM_{10})	$\mu g/m^3$	33.16	39.31	45.73	31.48
	PM ($PM_{2.5}$)	$\mu g/m^3$	24.30	29.26	31.15	21.13
	SO_2	$\mu g/m^3$	13.15	17.38	19.10	11.00
	NO_X	$\mu g/m^3$	21.68	26.12	29.17	19.00
	CO	mg/m^3	0.40	0.45	0.52	0.37
17/06/25	PM (PM_{10})	$\mu g/m^3$	36.57	42.59	47.61	27.74
	PM ($PM_{2.5}$)	$\mu g/m^3$	26.71	33.26	35.10	17.25
	SO_2	$\mu g/m^3$	11.13	15.33	21.31	13.60
	NO_X	$\mu g/m^3$	23.35	24.21	30.63	23.29
	CO	mg/m^3	0.31	0.50	0.59	0.42
24/06/25	PM (PM_{10})	$\mu g/m^3$	30.82	34.73	43.64	29.00
	PM ($PM_{2.5}$)	$\mu g/m^3$	20.12	26.20	29.16	18.22
	SO_2	$\mu g/m^3$	17.45	20.46	24.19	10.30
	NO_X	$\mu g/m^3$	25.55	31.65	33.40	21.19
	CO	mg/m^3	0.38	0.43	0.55	0.46

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
AMBIENT AIR QUALITY MONITORING DATA
FOR THE MONTH OF JULY 2025

Date	Parameter	Unit	Location – 1 Nr. Guest house	Location – 2 Nr. Weigh Bridge	Location – 3 Nr. Effluent Treatment Plant (ETP)	Location – 4 Village-Kushmushi Nr. Ram Gulab Paikra House
01/07/25	PM (PM_{10})	$\mu g/m^3$	31.50	36.25	41.10	27.40
	PM ($PM_{2.5}$)	$\mu g/m^3$	20.83	25.10	29.30	16.66
	SO_2	$\mu g/m^3$	10.25	14.55	17.50	11.35
	NO_X	$\mu g/m^3$	19.10	23.12	25.28	17.15
	CO	mg/m^3	0.27	0.45	0.55	0.25
08/07/2025	PM (PM_{10})	$\mu g/m^3$	37.11	43.21	47.10	32.21
	PM ($PM_{2.5}$)	$\mu g/m^3$	26.23	33.33	36.29	18.30
	SO_2	$\mu g/m^3$	12.30	18.10	21.35	12.18
	NO_X	$\mu g/m^3$	23.50	29.25	31.28	20.29
	CO	mg/m^3	0.33	0.53	0.60	0.35
15/07/25	PM (PM_{10})	$\mu g/m^3$	33.40	35.80	40.30	29.11
	PM ($PM_{2.5}$)	$\mu g/m^3$	24.10	27.30	31.25	19.40
	SO_2	$\mu g/m^3$	13.17	13.10	15.38	14.16
	NO_X	$\mu g/m^3$	21.14	24.25	27.12	20.29
	CO	mg/m^3	0.36	0.47	0.50	0.30
22/07/2025	PM (PM_{10})	$\mu g/m^3$	29.17	32.55	35.41	24.28
	PM ($PM_{2.5}$)	$\mu g/m^3$	17.41	19.11	24.13	14.50
	SO_2	$\mu g/m^3$	15.20	14.18	17.20	11.36
	NO_X	$\mu g/m^3$	23.32	26.14	29.21	19.11
	CO	mg/m^3	0.40	0.42	0.48	0.33
29/07/25	PM (PM_{10})	$\mu g/m^3$	26.13	30.60	38.11	22.43
	PM ($PM_{2.5}$)	$\mu g/m^3$	16.43	22.58	26.32	12.30
	SO_2	$\mu g/m^3$	14.10	18.33	22.31	13.60
	NO_X	$\mu g/m^3$	23.19	29.20	31.50	18.26
	CO	mg/m^3	0.45	0.49	0.58	0.41

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
AMBIENT AIR QUALITY MONITORING DATA
FOR THE MONTH OF AUGUST 2025

Date	Parameter	Unit	Location – 1 Nr. Guest house	Location – 2 Nr. Weigh Bridge	Location – 3 Nr. Effluent Treatment Plant (ETP)	Location – 4 Village-Kushmushi Nr. Ram Gulab Paikra House
05/08/25	PM (PM_{10})	$\mu g/m^3$	25.17	32.89	37.49	22.15
	PM ($PM_{2.5}$)	$\mu g/m^3$	16.66	21.27	27.50	14.30
	SO_2	$\mu g/m^3$	12.11	15.20	19.30	10.50
	NO_X	$\mu g/m^3$	20.18	25.31	29.10	19.41
	CO	mg/m^3	0.23	0.35	0.40	0.20
12/08/2025	PM (PM_{10})	$\mu g/m^3$	30.21	35.24	42.31	26.53
	PM ($PM_{2.5}$)	$\mu g/m^3$	19.35	25.00	33.13	15.26
	SO_2	$\mu g/m^3$	14.63	22.19	20.10	13.15
	NO_X	$\mu g/m^3$	24.70	28.24	30.50	23.14
	CO	mg/m^3	0.29	0.45	0.50	0.26
19/08/25	PM (PM_{10})	$\mu g/m^3$	34.28	40.27	45.35	31.36
	PM ($PM_{2.5}$)	$\mu g/m^3$	22.17	29.16	35.11	20.33
	SO_2	$\mu g/m^3$	11.19	16.21	17.00	9.48
	NO_X	$\mu g/m^3$	22.28	26.33	29.62	18.00
	CO	mg/m^3	0.37	0.52	0.59	0.32
26/08/2025	PM (PM_{10})	$\mu g/m^3$	28.66	38.49	43.56	20.31
	PM ($PM_{2.5}$)	$\mu g/m^3$	18.12	27.55	30.25	12.10
	SO_2	$\mu g/m^3$	8.71	13.90	21.00	8.50
	NO_X	$\mu g/m^3$	17.38	21.18	30.00	16.29
	CO	mg/m^3	0.34	0.47	0.65	0.38

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
AMBIENT AIR QUALITY MONITORING DATA
FOR THE MONTH OF SEPTEMBER 2025

Date	Parameter	Unit	Location – 1 Nr. Guest house	Location – 2 Nr. Weigh Bridge	Location – 3 Nr. Effluent Treatment Plant (ETP)	Location – 4 Village-Kushmushi Nr. Ram Gulab Paikra House
02/09/25	PM (PM_{10})	$\mu g/m^3$	29.32	34.91	39.31	27.36
	PM ($PM_{2.5}$)	$\mu g/m^3$	17.39	25.00	30.16	13.00
	SO_2	$\mu g/m^3$	13.21	14.50	16.20	11.15
	NO_X	$\mu g/m^3$	24.15	27.80	28.41	20.50
	CO	mg/m^3	0.20	0.30	0.35	0.27
09/09/2025	PM (PM_{10})	$\mu g/m^3$	35.64	40.33	46.13	32.34
	PM ($PM_{2.5}$)	$\mu g/m^3$	24.10	33.33	34.11	20.83
	SO_2	$\mu g/m^3$	12.22	17.10	19.32	8.00
	NO_X	$\mu g/m^3$	21.18	25.19	28.16	17.10
	CO	mg/m^3	0.25	0.38	0.40	0.31
16/09/25	PM (PM_{10})	$\mu g/m^3$	31.42	37.00	44.51	30.00
	PM ($PM_{2.5}$)	$\mu g/m^3$	21.00	28.00	32.15	16.00
	SO_2	$\mu g/m^3$	10.36	15.13	18.26	12.70
	NO_X	$\mu g/m^3$	16.25	23.19	27.40	26.14
	CO	mg/m^3	0.33	0.44	0.48	0.39
23/09/2025	PM (PM_{10})	$\mu g/m^3$	33.41	43.34	48.27	23.46
	PM ($PM_{2.5}$)	$\mu g/m^3$	23.50	31.10	35.40	13.35
	SO_2	$\mu g/m^3$	9.17	20.15	22.50	7.40
	NO_X	$\mu g/m^3$	19.26	29.23	31.25	15.11
	CO	mg/m^3	0.42	0.50	0.54	0.45
30/09/2025	PM (PM_{10})	$\mu g/m^3$	27.30	36.24	41.47	19.47
	PM ($PM_{2.5}$)	$\mu g/m^3$	16.50	26.00	29.16	11.50
	SO_2	$\mu g/m^3$	15.55	18.61	22.35	7.00
	NO_X	$\mu g/m^3$	25.00	29.90	31.50	15.75
	CO	mg/m^3	0.49	0.58	0.60	0.51

Annexure - VI

Photographs of covered truck with tarpaulin

Annexure-VIA

Photographs of Wheel Washing

Annexure-VII

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
EFFLUENT/WATER QUALITY MONITORING DATA
FOR THE MONTH OF APRIL 2025

Month	Parameters	STP outlet	ETP outlet	Guest house Ground water (Bore well)	Mine main gate Ground water (Bore well)	Type of sample
JUNE – 2025	BOD (mg/l)	7.40	BDL	BDL	BDL	Grab
	COD (mg/l)	10.30	5.50	BDL	BDL	
	SS (mg/l)	6.50	9.15	4.50	5.30	
	O&G (mg/l)	0.25	0.40	BDL	BDL	
	pH	7.72	7.54	7.10	7.20	

Note: Total STP outlet water was used for gardening and horticulture purposes and ETP outlet Water was used for dust suppression & road cleaning purposes.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
EFFLUENT/WATER QUALITY MONITORING DATA
FOR THE MONTH OF MAY 2025

Month	Parameters	STP outlet	ETP outlet	Guest house Ground water (Bore well)	Mine main gate Ground water (Bore well)	Type of sample
APRIL – 2025	BOD (mg/l)	7.50	BDL	BDL	BDL	Grab
	COD (mg/l)	15.35	8.10	BDL	BDL	
	SS (mg/l)	7.45	11.30	3.15	4.50	
	O&G (mg/l)	0.35	0.48	BDL	BDL	
	pH	7.61	7.49	7.17	7.26	

Note: Total STP outlet water was used for gardening and horticulture purposes and ETP outlet Water was used for dust suppression & road cleaning purposes.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
EFFLUENT/WATER QUALITY MONITORING DATA
FOR THE MONTH OF JUNE 2025

Month	Parameters	STP outlet	ETP outlet	Guest house Ground water (Bore well)	Mine main gate Ground water (Bore well)	Type of sample
APRIL – 2025	BOD (mg/l)	8.25	BDL	BDL	BDL	Grab
	COD (mg/l)	13.40	10.30	BDL	BDL	
	SS (mg/l)	10.55	14.60	5.00	6.70	
	O&G (mg/l)	0.30	0.55	BDL	BDL	
	pH	7.80	7.65	7.23	7.31	

Note: Total STP outlet water was used for gardening and horticulture purposes and ETP outlet Water was used for dust suppression & road cleaning purposes.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
EFFLUENT/WATER QUALITY MONITORING DATA
FOR THE MONTH OF JULY 2025

Month	Parameters	STP outlet	ETP outlet	Guest house Ground water (Bore well)	Mine main gate Ground water (Bore well)	Nallah Up Streem	Nallah Down Streem	Mine Surface Water	Type of sample
JULY -2025	BOD (mg/l)	7.30	BDL	BDL	BDL	3.60	5.50	5.40	Grab
	COD (mg/l)	14.10	11.25	BDL	BDL	17.61	20.80	25.70	
	SS (mg/l)	9.21	12.50	6.00	7.20	10.40	15.60	7.9	
	O&G (mg/l)	0.40	0.60	BDL	BDL	BDL	BDL	BDL	
	pH	7.70	7.53	7.15	7.20	7.60	7.92	7.78	

Note: Total STP outlet water was used for gardening and horticulture purposes and ETP outlet Water was used for dust suppression & road cleaning purposes.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
EFFLUENT/WATER QUALITY MONITORING DATA
FOR THE MONTH OF AUGUST 2025

Month	Parameters	STP outlet	ETP outlet	Guest house Ground water (Bore well)	Mine main gate Ground water (Bore well)	Nallah Up Streem	Nallah Down Streem	Mine Surface Water	Type of sample
AUGUST-2025	BOD (mg/l)	8.00	BDL	BDL	BDL	4.10	6.00	7.14	Grab
	COD (mg/l)	16.50	13.10	BDL	BDL	19.15	23.19	28.35	
	SS (mg/l)	11.30	15.40	4.00	6.60	12.25	17.11	9.00	
	O&G (mg/l)	0.50	0.75	BDL	BDL	BDL	BDL	BDL	
	pH	7.90	7.68	7.21	7.28	7.75	7.84	7.61	

Note: Total STP outlet water was used for gardening and horticulture purposes and ETP outlet Water was used for dust suppression & road cleaning purposes.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
EFFLUENT/WATER QUALITY MONITORING DATA
FOR THE MONTH OF SEPTEMBER 2025

Month	Parameters	STP outlet	ETP outlet	Guest house Ground water (Bore well)	Mine main gate Ground water (Bore well)	Nallah Up Streem	Nallah Down Streem	Mine Surface Water	Type of sample
SEPTEMBER 2025	BOD (mg/l)	6.30	BDL	BDL	BDL	5.50	7.00	9.35	Grab
	COD (mg/l)	12.15	11.50	BDL	BDL	16.00	21.30	30.21	
	SS (mg/l)	10.50	13.15	8.45	9.20	14.60	18.25	11.00	
	O&G (mg/l)	0.31	0.45	BDL	BDL	BDL	BDL	BDL	
	pH	7.85	7.74	7.25	7.33	7.95	7.70	7.55	

Note: Total STP outlet water was used for gardening and horticulture purposes and ETP outlet Water was used for dust suppression & road cleaning purposes.

Annexure - VII

PRAKASH INDUSTRIES LIMITED,BHASKARPARA COAL MINE			
WATER LAVEL HIGHT IN PIEZOMETER & LONGITUDE AND LATITUDE READING M/O APRIL'2025 TO SEPTEMBER'2025			
MONTH	**LOACATION**	**WATER LEVAL HIGHT PIZOMETER READING MTR**	**LONGITUDE &LATITUDE READING**
APRIL'2025	**KEWARA VILLAGE**	**12.50 MTR**	**LONG-82.811297 LAT-23.372630**
MAY'2026	**KEWARA VILLAGE**	**12.96 MTR**	**LONG-82.811297 LAT-23.372631**
JUNE'2027	**KEWARA VILLAGE**	**9.50 MTR**	**LONG-82.811297 LAT-23.372631**
JULY'2028	**KEWARA VILLAGE**	**6.00 MTR**	**LONG-82.811297 LAT-23.372632**
AUGUST'2029	**KEWARA VILLAGE**	**5.90 MTR**	**LONG-82.811297 LAT-23.372631**
SEPTEMBER'2030	**KEWARA VILLAGE**	**5.50 MTR**	**LONG-82.811297 LAT-23.372632**

Annexure-VII

PRAKASH INDUSTRIES LIMITED,BHASKARPARA COAL MINE

WATER LAVEL HIGHT IN DUGWELL & LONGITUDE AND LATITUDE READING M/O MAY-2025

S.NO.	DATE	NEAR BY NAME	WATER LAVEL HIGHT IN METER	LONGITUDE AND LATITUDE READING	VILLAGE
1	01.05.2025	BHARAT SINGH	4 .70 MTR	LONG- 82.769690 LAT -23.366060	BHASKARPARA
2	01.05.2026	VIKRAM SINGH	1.85 MTR	LONG- 82.771225 LAT -23.362998	BHASKARPARA
3	01.05.2027	SOHANLAL SONKAR	4.30 MTR	LONG- 82.780588 LAT -23.378482	KHADAPARA
4	01.05.2028	HEMANT RAJWADE	3.85 MTR	LONG- 82.776840 LAT -23.378008	KHADAPARA
5	01.05.2029	PITAMBER DEWANGAN	6.65 MTR	LONG- 82.766112 LAT -23.344228	BADSARA
6	01.05.2030	VIJAY YADAV	3.00 MTR	LONG- 82.766407 LAT -23.347833	BADSARA
7	01.05.2031	SUNDAR SINGH	1.15 MTR	LONG- 82.784998 LAT -23.350943	KURRIDIH
8	01.05.2032	JAGPAL SINGH	4.35 MTR	LONG- 82.783194 LAT -23.350890	KURRIDIH
9	01.05.2033	RAMGULAB PAIKRA	2.80 MTR	LONG- 82.804253 LAT -23.348780	KUSMUSI
10	01.05.2034	ISHWAR PRASAD PAIKRA	3.15 MTR	LONG- 82.801683 LAT -23.355108	KUSMUSI
11	01.05.2035	BALLI RAM	4.65 MTR	LONG- 82.798835 LAT -23.374090	DHANAULI
12	01.05.2036	MOHAR SAI	2.40 MTR	LONG- 82.793944 LAT -23.374726	DHANAULI
13	01.05.2037	RAMDEV KUSHWAHA	7.35 MTR	LONG- 82.811678 LAT -23.366060	KEWARA
14	01.05.2038	RAJLAL RAJWADE	9.25 MTR	LONG-82.811720 LAT-23.375472	KEWARA

Annexure-VII

PRAKASH INDUSTRIES LIMITED,BHASKARPARA COAL MINE

WATER LAVEL HIGHT IN DUGWELL & LONGITUDE AND LATITUDE READING M/O AUGUST-2025

S.NO.	DATE	NEAR BY NAME	WATER LAVEL HIGHT IN METER	LONGITUDE AND LATITUDE READING	VILLAGE
1	01.08.2025	BHARAT SINGH	1 .00 MTR	LONG- 82.769690 LAT -23.366060	BHASKARPARA
2	01.08.2026	VIKRAM SINGH	0.40 MTR	LONG- 82.771225 LAT -23.362998	BHASKARPARA
3	01.08.2027	SOHANLAL SONKAR	2.00 MTR	LONG- 82.780588 LAT -23.378482	KHADAPARA
4	01.08.2028	HEMANT RAJWADE	1.65 MTR	LONG- 82.776840 LAT -23.378008	KHADAPARA
5	01.08.2029	PITAMBER DEWANGAN	1.10 MTR	LONG- 82.766112 LAT -23.344228	BADSARA
6	01.08.2030	VIJAY YADAV	0.50 MTR	LONG- 82.766407 LAT -23.347833	BADSARA
7	01.08.2031	SUNDAR SINGH	0.80 MTR	LONG- 82.784998 LAT -23.350943	KURRIDIH
8	01.08.2032	JAGPAL SINGH	0.90 MTR	LONG- 82.783194 LAT -23.350890	KURRIDIH
9	01.08.2033	RAMGULAB PAIKRA	0.70 MTR	LONG- 82.804253 LAT -23.348780	KUSMUSI
10	01.08.2034	ISHWAR PRASAD PAIKRA	0.40 MTR	LONG- 82.801683 LAT -23.355108	KUSMUSI
11	01.08.2035	BALLI RAM	0.75 MTR	LONG- 82.798835 LAT -23.374090	DHANAULI
12	01.08.2036	MOHAR SAI	2.40 MTR	LONG- 82.793944 LAT -23.374726	DHANAULI
13	01.08.2037	RAMDEV KUSHWAHA	7.35 MTR	LONG- 82.811678 LAT -23.366060	KEWARA
14	01.08.2038	RAJLAL RAJWADE	9.25 MTR	LONG-82.811720 LAT-23.375472	KEWARA

Annexure-VIII

Photographs of Effluent Treatment Plant (ETP)

Annexure-VIII

Photographs of Sewage Treatment Plant (STP)

Annexure-IX

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
NOISE LEVEL MONITORING DATA
FOR THE MONTH OF APRIL 2025

Sl. No.	Location	Day Time -– dB (A)		Night Time -– dB (A)	
		Min.-–Max.	Avg.	Min.-–Max.	Avg.
1	GUEST HOUSE	43.4-47.5	45.45	35.1-41.2	38.15
2	KEWRA VILLAGE	53.5-58.6	56.05	40.7-45.6	43.15
3	MINE MAIN GATE	60.3-65.5	62.9	52.8-57.7	55.25
4	NEAR D.G. ROOM	64.1-69.7	66.9	55.3-60.5	57.9
5	WEIGH BRIDGE	54.2-58.4	56.3	49.2-56.4	52.8
6	NEAR HAUL ROAD	61.6-66.8	64.2	53.5 -58.9	56.2
7	MINE DUMP	58.7-64.3	61.5	51.8-56.3	54.05
8	OPERATIONAL AREA OF SHOVEL	65.2-69.1	67.15	60.1-64.7	62.4
9	SHAHID INFRA CAMP (WORK SHOP)	61.5-66.4	63.95	56.2-60.1	58.15
*10	SHELTER DURING BLASTING	63.3-70.2	66.75	52.2-57.4	54.8
11	NEAR COAL LOADING YARD	59.5-67.8	63.65	50.1-55.5	52.8
12	OPRETIONAL AREA DURING DRILLING	56.4-61.6	59.0	45.6-50.8	48.2
13	NEAR. EFFLUENT TREATMENT PLANT (ETP	51.3-56.2	53.75	41.2-45.1	43.15
14	MINE PIT OFFICE	58.7-63.5	61.1	49.8-54.6	52.2
15	KUSHMUSHI VILLAGE NEAR RAM GULAB PAIKRA HOUSE	43.8-48.4	46.1	35.3-40.7	38.0

*

1. Company provided Earplug/muffs to Employees at the time of Blasting.
2. Controlled Blasting conducted between 1 PM to 2 PM.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
NOISE LEVEL MONITORING DATA
FOR THE MONTH OF MAY 2025

Sl. No.	Location	Day Time -– dB (A)		Night Time -– dB (A)	
		Min.-–Max.	Avg.	Min.-–Max.	Avg.
1	GUEST HOUSE	39.1-44.3	41.7	31.5-36.7	34.1
2	KEWRA VILLAGE	51.3-56.5	53.9	42.1-47.2	44.65
3	MINE MAIN GATE	57.5-62.2	59.85	50.4-55.5	52.95
4	NEAR D.G. ROOM	61.8-66.9	64.35	52.5-58.3	55.4
5	WEIGH BRIDGE	48.7-55.6	52.15	44.6-49.2	46.9
6	NEAR HAUL ROAD	63.6-68.4	66.0	56.2 -60.1	58.15
7	MINE DUMP	55.4-60.1	57.75	45.3-52.4	48.85
8	OPERATIONAL AREA OF SHOVEL	64.1-70.3	67.2	57.2-62.7	59.95
9	SHAHID INFRA CAMP (WORK SHOP)	54.7-59.5	57.1	48.1-53.3	50.7
*10	SHELTER DURING BLASTING	65.2-69.3	67.25	54.7-59.6	57.15
11	NEAR COAL LOADING YARD	54.3-61.6	57.95	47.3-52.9	50.1
12	OPRETIONAL AREA DURING DRILLING	59.1-64.2	61.65	51.1-56.3	53.7
13	NEAR. EFFLUENT TREATMENT PLANT (ETP	53.8-58.7	56.25	43.4-48.6	46.0
14	MINE PIT OFFICE	56.2-61.3	58.75	40.5-45.1	42.8
15	KUSHMUSHI VILLAGE NEAR RAM GULAB PAIKRA HOUSE	47.2-53.1	50.15	38.2-44.8	41.5

*

1. Company provided Earplug/muffs to Employees at the time of Blasting.
2. Controlled Blasting conducted between 1 PM to 2 PM.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
NOISE LEVEL MONITORING DATA
FOR THE MONTH OF JUNE 2025

Sl. No.	Location	Day Time -– dB (A)		Night Time -– dB (A)	
		Min.-–Max.	Avg.	Min.-–Max.	Avg.
1	GUEST HOUSE	41.5-48.6	45.05	36.3-41.2	38.75
2	KEWRA VILLAGE	46.1-52.7	49.4	40.5-45.6	43.05
3	MINE MAIN GATE	62.3-67.2	64.75	53.1-57.4	55.25
4	NEAR D.G. ROOM	64.2-69.5	66.85	55.4-60.1	57.75
5	WEIGH BRIDGE	52.7-57.1	54.9	46.6-51.5	49.05
6	NEAR HAUL ROAD	60.6-66.4	63.5	54.7 -59.3	57.0
7	MINE DUMP	57.8-62.3	60.05	49.1-54.2	51.65
8	OPERATIONAL AREA OF SHOVEL	61.4-68.7	65.05	54.8-60.7	57.75
9	SHAHID INFRA CAMP (WORK SHOP)	51.1-56.2	53.65	45.5-50.1	47.8
*10	SHELTER DURING BLASTING	63.5-67.1	65.3	49.2-55.3	52.25
11	NEAR COAL LOADING YARD	58.2-63.4	60.8	43.1-49.6	46.35
12	OPRETIONAL AREA DURING DRILLING	56.3-61.8	59.05	47.3-52.7	50.0
13	NEAR. EFFLUENT TREATMENT PLANT (ETP	48.1-54.5	51.3	41.2-46.4	43.8
14	MINE PIT OFFICE	53.5-58.1	55.8	44.1-48.3	46.2
15	KUSHMUSHI VILLAGE NEAR RAM GULAB PAIKRA HOUSE	42.6-48.7	45.65	36.5-41.1	38.8

*

1. Company provided Earplug/muffs to Employees at the time of Blasting.
2. Controlled Blasting conducted between 1 PM to 2 PM.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
NOISE LEVEL MONITORING DATA
FOR THE MONTH OF JULY 2025

Sl. No.	Location	Day Time -– dB (A)		Night Time -– dB (A)	
		Min.-–Max.	Avg.	Min.-–Max.	Avg.
1	GUEST HOUSE	45.1-50.2	47.65	38.7-43.8	41.25
2	KEWRA VILLAGE	49.4-54.6	52.0	43.3-48.5	45.9
3	MINE MAIN GATE	59.8-65.9	62.85	49.2-54.7	51.95
4	NEAR D.G. ROOM	62.6-67.4	65.0	50.1-56.4	53.25
5	WEIGH BRIDGE	54.2-60.3	57.25	48.8-53.2	51.0
6	NEAR HAUL ROAD	57.5-64.8	61.15	51.4 -56.3	53.85
7	MINE DUMP	51.4-56.5	53.95	44.6-48.5	46.55
8	OPERATIONAL AREA OF SHOVEL	58.7-64.9	61.8	52.2-56.4	54.3
9	SHAHID INFRA CAMP (WORK SHOP)	46.3-53.4	49.85	39.1-44.6	41.85
*10	SHELTER DURING BLASTING	61.2-65.6	63.4	55.8-60.2	58.0
11	NEAR COAL LOADING YARD	63.1-68.2	65.65	41.4-46.7	44.05
12	OPRETIONAL AREA DURING DRILLING	53.5-58.3	55.09	42.1-48.3	45.2
13	NEAR. EFFLUENT TREATMENT PLANT (ETP	43.6-47.5	45.55	38.8-42.9	40.85
14	MINE PIT OFFICE	57.8-62.7	60.25	47.3-52.5	49.9
15	KUSHMUSHI VILLAGE NEAR RAM GULAB PAIKRA HOUSE	44.1-50.2	47.15	30.7-35.6	33.15

*

1. Company provided Earplug/muffs to Employees at the time of Blasting.
2. Controlled Blasting conducted between 1 PM to 2 PM.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
NOISE LEVEL MONITORING DATA
FOR THE MONTH OF AUGUST 2025

Sl. No.	Location	Day Time -– dB (A)		Night Time -– dB (A)	
		Min.-–Max.	Avg.	Min.-–Max.	Avg.
1	GUEST HOUSE	41.3-46.4	47.65	35.1-40.5	41.25
2	KEWRA VILLAGE	44.6-51.7	52.0	38.4-43.2	45.9
3	MINE MAIN GATE	53.1-58.5	62.85	43.3-48.6	51.95
4	NEAR D.G. ROOM	59.2-64.7	65.0	52.5-57.1	53.25
5	WEIGH BRIDGE	50.4-55.6	57.25	42.7-47.8	51.0
6	NEAR HAUL ROAD	61.7-66.9	61.15	54.8 -60.3	53.85
7	MINE DUMP	54.5-60.1	53.95	49.2-53.4	46.55
8	OPERATIONAL AREA OF SHOVEL	63.8-68.2	61.8	56.6-61.7	54.3
9	SHAHID INFRA CAMP (WORK SHOP)	43.1-48.3	49.85	34.8-40.9	41.85
*10	SHELTER DURING BLASTING	64.3-69.1	63.4	52.1-57.8	58.0
11	NEAR COAL LOADING YARD	60.8-65.6	65.65	46.5-53.2	44.05
12	OPRETIONAL AREA DURING DRILLING	62.2-67.5	55.09	48.1-56.7	45.2
13	NEAR. EFFLUENT TREATMENT PLANT (ETP	47.1-52.2	45.55	40.3-46.4	40.85
14	MINE PIT OFFICE	54.2-59.3	60.25	42.1-47.3	49.9
15	KUSHMUSHI VILLAGE NEAR RAM GULAB PAIKRA HOUSE	39.5-44.1	47.15	33.1-38.2	33.15

*

1. Company provided Earplug/muffs to Employees at the time of Blasting.
2. Controlled Blasting conducted between 1 PM to 2 PM.

M/S PRAKASH INDUSTRIES LIMITED
BHASKARPARA COAL MINE
NOISE LEVEL MONITORING DATA
FOR THE MONTH OF SEPTEMBER 2025

Sl. No.	Location	Day Time -– dB (A)		Night Time -– dB (A)	
		Min.-–Max.	Avg.	Min.-–Max.	Avg.
1	GUEST HOUSE	47.5-52.6	50.05	40.4-45.7	43.05
2	KEWRA VILLAGE	49.7-56.9	53.3	42.1-47.8	44.95
3	MINE MAIN GATE	57.2-62.3	59.75	47.2-53.5	50.35
4	NEAR D.G. ROOM	64.3-69.4	66.85	50.2-55.3	52.75
5	WEIGH BRIDGE	55.9-60.7	58.3	45.3-51.4	48.35
6	NEAR HAUL ROAD	59.8-64.2	62.00	49.4 -54.7	52.05
7	MINE DUMP	56.3-62.7	59.5	51.1-57.3	54.2
8	OPERATIONAL AREA OF SHOVEL	58.2.-63.1	60.65	49.4-56.5	52.95
9	SHAHID INFRA CAMP (WORK SHOP)	45.5-50.8	48.15	37.1-42.2	39.65
*10	SHELTER DURING BLASTING	59.1-66.3	62.7	48.2-54.4	51.3
11	NEAR COAL LOADING YARD	62.3-67.4	64.85	43.4-49.7	46.55
12	OPRETIONAL AREA DURING DRILLING	57.5-62.1	59.8	43.5-48.8	46.15
13	NEAR. EFFLUENT TREATMENT PLANT (ETP	44.3-49.5	46.9	35.6-41.1	38.35
14	MINE PIT OFFICE	51.4-56.8	54.1	40.7-45.4	43.05
15	KUSHMUSHI VILLAGE NEAR RAM GULAB PAIKRA HOUSE	36.1-42.5	39.3	30.3-35.1	32.7

*

1. Company provided Earplug/muffs to Employees at the time of Blasting.
2. Controlled Blasting conducted between 1 PM to 2 PM.

PRAKASH INDUSTRIES LTD.

POST MINING LAND USE OF MINEABLE AREA

LAND USE PATTERN AT THE END OF MINE LIFE AND POST CLOSURE

Type	Land use (Proposed) (A)	Land Use (End of Life) (B)	Land Use (Post Closure)						
			Agricultural land (C)	Plantation (D)	Water Body (E)	Public/Comp any Use (F)	Forest Land (Returned) (G)	Undisturbed (H)	Total (C+D+E+F+G+H)
Excavation Area	457.366	-	-	-	-	-	-	-	-
Backfilled Area	-	312.796	-	312.796	-	-	-	-	312.796
Excavated void	-	144.570	-	-	144.570	-	-	-	144.570
Top Soil Dump	10.600	-	-	-	-	-	-	-	-
External Dump	84.330	94.930	-	94.930	-	-	-	-	94.930
Safety Zone	13.330	13.330	-	13.330	-	-	-	-	13.330
Road diversion	1.125	1.125	-	-	-	1.125	-	-	1.125
Diversion of Nala	1.940	1.940	-	-	-	1.940	-	-	1.940
Settling pond	1.120	1.120	-	-	1.120	-	-	-	1.120
Road And Infrastructure Area	6.290	6.290	-	-	-	6.290	-	-	6.290
Undisturbed or Mining Right For UG	355.899	355.899	333.180	22.719	-	-	-	-	355.899
Total	932.00	932.00	333.18	443.775	145.69	9.355	0	0	932.00

Annexure-XI

ILLUMINATION SURVEY

Date 12/7/2025 **Location** BHASKARPARA COAL MINE

Ref. DGMS Circular 02/2017

SN	Area/Sub -Area			ACTUAL		
		Horizontal (lux)	Vertical (lux)	Horizontal (lux)	Vertical (lux)	Remarks
1	**Work place of Heavy Machinery**					
	(i) Excavator	15	25	27	41	
	(ii) Dumper	15	25	20	36	
	(iii) Loader	15	25	22	35	
	(iv) Dozer	15	25	19	32	
2	**Drilling Operation**					
	(i) Area where drilling rig works	NA	25	NA	38	
	(ii) Area where drill holes exists	15	NA	28	NA	
3	**Place where manual work is done**	15	25	NA	NA	
4	**Place where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including OB Dump and Coal Stack Yard)**					
	(i) OB Dump	15	15	20	25	
	(ii) Stack Yard	15	15	21	23	
	(iii) Loading Point	15	15	23	21	
5	**Operations cabin of machines or mechanisms**					
	(i) Excavator	50	NA	50	NA	
	(ii) Dumper	50	NA	46	NA	
	(iii) Loader	50	NA	43	NA	
	(iv) Dozer	50	NA	59	NA	
6	**Haul roads for Trucks and Dumpers**					
	(i) Main Haul Road	10	NA	17	NA	
	(ii) Haul Road to weigh bridge	10	NA	11	NA	
7	**Rail haulage track in the pit**	10	NA	NA	NA	
8	**Roadways and foot paths from bench to bench**	10	NA	NA	NA	
9	**Permanent paths for use of persons employed etc.**					
	(i) Office to SIG Camp	10	NA	23	NA	
10	**In-pit Crushers/Feeder Breaker**	40	NA	NA	NA	
11	**Hand Picking Points**	50	NA	NA	NA	
12	**Conveyers**					
	(a) Transfer points and drive/tail end area	40	NA	NA	NA	
	(b) Along Conveyer	20	NA	NA	NA	
13	**Coal Handling Plant**					
	(a) Place of crushing , screening,segregation and loading /Unloading	40	NA	NA	NA	
	(b) Operation Points	50	NA	NA	NA	
	© Other places (in general)	20	NA	NA	NA	
14	**Pumping Station**					
	(i) Pumping Station	40	NA	NA	NA	
15	**(i) Electrical Sub-Station**	100	50	131	61	
	(ii) Other places of operation of electrical apparatus / equipement	20	20	25	18	
16	**First aid station**	50	NA	46	NA	
17	**Rest shelter**	30	NA	32	NA	
18	**Workshop**	100	50	120	70	
19	**Parking Yard**	50	NA	41	NA	
20	**General working area as determined by the Mine Manager.**					
	(i) Weigh Bridge	10	NA	45	NA	
	(ii) Office Area	10	NA	40	NA	

ILLUMINATION SURVEY

Date 15/04/2025 **Location** BHASKARPARA COAL MINE -

Ref. DGMS Circular 02/2017

SN	Area/Sub -Area	Min. Requirement		ACTUAL		
		Horizontal (lux)	Vertical (lux)	Horizontal (lux)	Vertical (lux)	Remarks
1	**Work place of Heavy Machinery**					
	(i) Excavator	15	25	20	37	
	(ii) Dumper	15	25	18	33	
	(iii) Loader	15	25	19	39	
	(iv) Dozer	15	25	15	30	
2	**Drilling Operation**					
	(i) Area where drilling rig works	NA	25	NA	36	
	(ii) Area where drill holes exists	15	NA	22	NA	
3	**Place where manual work is done**	15	25	NA	NA	
4	**Place where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including OB Dump and Coal Stack Yard)**					
	(i) OB Dump	15	15	17	21	
	(ii) Stack Yard	15	15	18	20	
	(iii) Loading Point	15	15	20	19	
5	**Operations cabin of machines or mechanisms**					
	(i) Excavator	50	NA	48	NA	
	(ii) Dumper	50	NA	45	NA	
	(iii) Loader	50	NA	40	NA	
	(iv) Dozer	50	NA	55	NA	
6	**Haul roads for Trucks and Dumpers**					
	(i) Main Haul Road	10	NA	15	NA	
	(ii) Haul Road to weigh bridge	10	NA	12	NA	
7	**Rail haulage track in the pit**	10	NA	NA	NA	
8	**Roadways and foot paths from bench to bench**	10	NA	NA	NA	
9	**Permanent paths for use of persons employed etc.**					
	(i) Office to SIG Camp	10	NA	20	NA	
10	**In-pit Crushers/Feeder Breaker**	40	NA	NA	NA	
11	**Hand Picking Points**	50	NA	NA	NA	
12	**Conveyers**					
	(a) Transfer points and drive/tail end area	40	NA	NA	NA	
	(b) Along Conveyer	20	NA	NA	NA	
13	**Coal Handling Plant**					
	(a) Place of crushing , screening,segregation and loading /Unloading	40	NA	NA	NA	
	(b) Operation Points	50	NA	NA	NA	
	© Other places (in general)	20	NA	NA	NA	
14	**Pumping Station**					
	(i) Pumping Station	40	NA	NA	NA	
15	**(i) Electrical Sub-Station**	100	50	125	65	
	(ii) Other places of operation of electrical apparatus / equipement	20	20	20	19	
16	**First aid station**	50	NA	48	NA	
17	**Rest shelter**	30	NA	35	NA	
18	**Workshop**	100	50	117	68	
19	**Parking Yard**	50	NA	38	NA	
20	**General working area as determined by the Mine Manager.**					
	(i) Weigh Bridge	10	NA	42	NA	
	(ii) Office Area	10	NA	35	NA	

ILLUMINATION SURVEY

Date 12/5/2025 **Location** BHASKARPARA COAL MINE

Ref. DGMS Circular 02/2017

SN	Area/Sub -Area	Min. Requirement		ACTUAL		
		Horizontal (lux)	Vertical (lux)	Horizontal (lux)	Vertical (lux)	Remarks
1	**Work place of Heavy Machinery**					
	(i) Excavator	15	25	30	59	
	(ii) Dumper	15	25	25	38	
	(iii) Loader	15	25	19	29	
	(iv) Dozer	15	25	25	30	
2	**Drilling Operation**					
	(i) Area where drilling rig works	NA	25	NA	27	
	(ii) Area where drill holes exists	15	NA	20	NA	
3	**Place where manual work is done**	15	25	NA	NA	
2	**Place where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including OB Dump and Coal Stack Yard)**					
	(i) OB Dump	15	15	25	15	
	(ii) Stack Yard	15	15	34	25	
	(iii) Loading Point	15	15	40	65	
3	**Operations cabin of machines or mechanisms**					
	(i) Excavator	50	NA	60	NA	
	(ii) Dumper	50	NA	56	NA	
	(iii) Loader	50	NA	55	NA	
	(iv) Dozer	50	NA	57	NA	
4	**Haul roads for Trucks and Dumpers**					
	(i) Main Haul Road	10	NA	19	NA	
	(ii) Haul Road to weigh bridge	10	NA	34	NA	
7	**Rail haulage track in the pit**	10	NA	NA	NA	
8	**Roadways and foot paths from bench to bench**	10	NA	NA	NA	
5	**Permanent paths for use of persons employed etc.**					
	(i) Office to SIG Camp	10	NA	21	NA	
10	**In-pit Crushers/Feeder Breaker**	40	NA	NA	NA	
11	**Hand Picking Points**	50	NA	NA	NA	
12	**Conveyers**					
	(a) Transfer points and drive/tail end area	40	NA	NA	NA	
	(b) Along Conveyer	20	NA	NA	NA	
13	**Coal Handling Plant**					
	(a) Place of crushing , screening,segregation and loading /Unloading	40	NA	NA	NA	
	(b) Operation Points	40	NA	NA	NA	
	© Other places (in general)	40	NA	NA	NA	
6	**Pumping Station**					
	(i) Pumping Station	40	NA	NA	NA	
7	**(i) Electrical Sub-Station**	100	50	NA	NA	
	(ii) Other places of operation of electrical apparatus / equipement	20	20	NA	NA	
8	**First aid station**	50	NA	61	NA	
9	**Rest shelter**	30	NA	35	NA	
10	**workshop**	100	50	115	70	
11	**Parking Yard**	50	NA	70	NA	
12	**General working area as determined by the Mine Manager.**					
	(i) Weigh Bridge	10	NA	47	NA	
	(ii) Office Area	10	NA	11	NA	

ILLUMINATION SURVEY

Date 17/06/2025 **Location** BHASKARPARA COAL MINE

Ref. DGMS Circular 02/2017

SN	Area/Sub -Area	Min. Requirement		ACTUAL		
		Horizontal (lux)	Vertical (lux)	Horizontal (lux)	Vertical (lux)	Remarks
1	**Work place of Heavy Machinery**					
	(i) Excavator	15	25	21	35	
	(ii) Dumper	15	25	14	40	
	(iii) Loader	15	25	20	36	
	(iv) Dozer	15	25	25	41	
2	**Drilling Operation**					
	(i) Area where drilling rig works	NA	25	NA	35	
	(ii) Area where drill holes exists	15	NA	17	NA	
3	**Place where manual work is done**	15	25	NA	NA	
4	**Place where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including OB Dump and Coal Stack Yard)**					
	(i) OB Dump	15	15	20	18	
	(ii) Stack Yard	15	15	19	20	
	(iii) Loading Point	15	15	21	25	
5	**Operations cabin of machines or mechanisms**					
	(i) Excavator	50	NA	50	NA	
	(ii) Dumper	50	NA	49	NA	
	(iii) Loader	50	NA	55	NA	
	(iv) Dozer	50	NA	60	NA	
6	**Haul roads for Trucks and Dumpers**					
	(i) Main Haul Road	10	NA	14	NA	
	(ii) Haul Road to weigh bridge	10	NA	20	NA	
7	**Rail haulage track in the pit**	10	NA	NA	NA	
8	**Roadways and foot paths from bench to bench**	10	NA	NA	NA	
9	**Permanent paths for use of persons employed etc.**					
	(i) Office to SIG Camp	10	NA	23	NA	
10	**In-pit Crushers/Feeder Breaker**	40	NA	NA	NA	
11	**Hand Picking Points**	50	NA	NA	NA	
12	**Conveyers**					
	(a) Transfer points and drive/tail end area	40	NA	NA	NA	
	(b) Along Conveyer	20	NA	NA	NA	
13	**Coal Handling Plant**					
	(a) Place of crushing , screening,segregation and loading /Unloading	40	NA	NA	NA	
	(b) Operation Points	50	NA	NA	NA	
	© Other places (in general)	20	NA	NA	NA	
14	**Pumping Station**					
	(i) Pumping Station	40	NA	NA	NA	
15	**(i) Electrical Sub-Station**	100	50	141	62	
	(ii) Other places of operation of electrical apparatus / equipement	20	20	26	21	
16	**First aid station**	50	NA	55	NA	
17	**Rest shelter**	30	NA	30	NA	
18	**Workshop**	100	50	128	69	
19	**Parking Yard**	50	NA	45	NA	
20	**General working area as determined by the Mine Manager.**					
	(i) Weigh Bridge	10	NA	22	NA	
	(ii) Office Area	10	NA	30	NA	

ILLUMINATION SURVEY

Date 22/08/2025 **Location** BHASKARPARA COAL MINE

Ref. DGMS Circular 02/2017

SN	Area/Sub -Area	Min. Requirement		ACTUAL		
		Horizontal (lux)	Vertical (lux)	Horizontal (lux)	Vertical (lux)	Remarks
1	**Work place of Heavy Machinery**					
	(i) Excavator	15	25	23	38	
	(ii) Dumper	15	25	13	44	
	(iii) Loader	15	25	17	39	
	(iv) Dozer	15	25	27	43	
2	**Drilling Operation**					
	(i) Area where drilling rig works	NA	25	NA	40	
	(ii) Area where drill holes exists	15	NA	25	NA	
3	**Place where manual work is done**	15	25	NA	NA	
4	**Place where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including OB Dump and Coal Stack Yard)**					
	(i) OB Dump	15	15	18	15	
	(ii) Stack Yard	15	15	15	18	
	(iii) Loading Point	15	15	19	24	
5	**Operations cabin of machines or mechanisms**					
	(i) Excavator	50	NA	55	NA	
	(ii) Dumper	50	NA	51	NA	
	(iii) Loader	50	NA	58	NA	
	(iv) Dozer	50	NA	62	NA	
6	**Haul roads for Trucks and Dumpers**					
	(i) Main Haul Road	10	NA	13	NA	
	(ii) Haul Road to weigh bridge	10	NA	22	NA	
7	**Rail haulage track in the pit**	10	NA	NA	NA	
8	**Roadways and foot paths from bench to bench**	10	NA	NA	NA	
9	**Permanent paths for use of persons employed etc.**					
	(i) Office to SIG Camp	10	NA	25	NA	
10	**In-pit Crushers/Feeder Breaker**	40	NA	NA	NA	
11	**Hand Picking Points**	50	NA	NA	NA	
12	**Conveyers**					
	(a) Transfer points and drive/tail end area	40	NA	NA	NA	
	(b) Along Conveyer	20	NA	NA	NA	
13	**Coal Handling Plant**					
	(a) Place of crushing , screening,segregation and loading /Unloading	40	NA	NA	NA	
	(b) Operation Points	50	NA	NA	NA	
	© Other places (in general)	20	NA	NA	NA	
14	**Pumping Station**					
	(i) Pumping Station	40	NA	NA	NA	
15	**(i) Electrical Sub-Station**	100	50	145	65	
	(ii) Other places of operation of electrical apparatus / equipement	20	20	28	23	
16	**First aid station**	50	NA	58	NA	
17	**Rest shelter**	30	NA	29	NA	
18	**Workshop**	100	50	130	71	
19	**Parking Yard**	50	NA	47	NA	
20	**General working area as determined by the Mine Manager.**					
	(i) Weigh Bridge	10	NA	24	NA	
	(ii) Office Area	10	NA	33	NA	

ILLUMINATION SURVEY

Date 25/09/2025 **Location** BHASKARPARA COAL MINE

Ref. DGMS Circular 02/2017

SN	Area/Sub -Area			ACTUAL		
		Horizontal (lux)	Vertical (lux)	Horizontal (lux)	Vertical (lux)	Remarks
1	**Work place of Heavy Machinery**					
	(i) Excavator	15	25	26	35	
	(ii) Dumper	15	25	15	47	
	(iii) Loader	15	25	19	40	
	(iv) Dozer	15	25	29	45	
2	**Drilling Operation**					
	(i) Area where drilling rig works	NA	25	NA	43	
	(ii) Area where drill holes exists	15	NA	28	NA	
3	**Place where manual work is done**	15	25	NA	NA	
4	**Place where loading, unloading or transfer, loading of dumpers, trucks or train is carried on (including OB Dump and Coal Stack Yard)**					
	(i) OB Dump	15	15	20	21	
	(ii) Stack Yard	15	15	14	20	
	(iii) Loading Point	15	15	21	22	
5	**Operations cabin of machines or mechanisms**					
	(i) Excavator	50	NA	52	NA	
	(ii) Dumper	50	NA	53	NA	
	(iii) Loader	50	NA	55	NA	
	(iv) Dozer	50	NA	60	NA	
6	**Haul roads for Trucks and Dumpers**					
	(i) Main Haul Road	10	NA	15	NA	
	(ii) Haul Road to weigh bridge	10	NA	25	NA	
7	**Rail haulage track in the pit**	10	NA	NA	NA	
8	**Roadways and foot paths from bench to bench**	10	NA	NA	NA	
9	**Permanent paths for use of persons employed etc.**					
	(i) Office to SIG Camp	10	NA	28	NA	
10	**In-pit Crushers/Feeder Breaker**	40	NA	NA	NA	
11	**Hand Picking Points**	50	NA	NA	NA	
12	**Conveyers**					
	(a) Transfer points and drive/tail end area	40	NA	NA	NA	
	(b) Along Conveyer	20	NA	NA	NA	
13	**Coal Handling Plant**					
	(a) Place of crushing , screening,segregation and loading /Unloading	40	NA	NA	NA	
	(b) Operation Points	50	NA	NA	NA	
	© Other places (in general)	20	NA	NA	NA	
14	**Pumping Station**					
	(i) Pumping Station	40	NA	NA	NA	
15	**(i) Electrical Sub-Station**	100	50	140	61	
	(ii) Other places of operation of electrical apparatus / equipement	20	20	25	20	
16	**First aid station**	50	NA	56	NA	
17	**Rest shelter**	30	NA	28	NA	
18	**Workshop**	100	50	127	65	
19	**Parking Yard**	50	NA	45	NA	
20	**General working area as determined by the Mine Manager.**					
	(i) Weigh Bridge	10	NA	20	NA	
	(ii) Office Area	10	NA	30	NA	

Annexure – XII

Status of Environment Management Plan (EMP)

Activity	Particulars	Compliance / Action Plan
(A)	**Air Pollution Control:**	
Blasting	Recommended Control Measures: (I) Blasting will be conducted during favorable weather conditions with proper design of blast hole geometry & optimum quantity of Explosives. (II) Use of delay detonators shall be adopted in order to reduce ground vibrations. (III) Blast site will be wetted before and after blasting.	(I)Blasting is being conducted during favorable weather conditions with proper design of blast hole geometry & optimum quantity of Explosives. (II)Use of delay detonators are being adopted in order to reduce ground vibrations. (III)Blast site is being wetted before and after blasting. Energy Optimization: This is limited to OB only and not coal, thus energy is being conserved. Pollution Control: 1.Noise and vibration are being limited to OB blasting only. 2. Use of optimum quantity of explosives per delay is keeping ground vibration under limit at receptors. 3.Wetting before drilling and blasting is reducing generation of fugitive dust.
Sprinkling of water	Recommended Control Measures: i. Generation of fugitive dust emissions, which will be controlled by water sprinkling on debris, filled-in trucks wherever necessary. ii. Use of fog mist sprinklers, mobile sprinklers and static sprinklers on haul roads, loading and unloading points, open conveyor system etc.	i. Generation of fugitive dust emissions is being controlled by water sprinkling on debris, filled-in trucks wherever necessary. ii. Fog mist sprinklers, mobile sprinklers and static sprinklers on haul roads, loading and unloading points, open conveyor system etc. are being used. **Water Conservation:** Use of sprinklers like fog, mobile or static model with small perforated hole sizes with specified pressure results in less consumption of water for dust suppression. **Pollution Control:** Dust suppression methods are being used for controlling fugitive dust.
HEMM	Recommended Control Measures:	Regular maintenance of all Diesel operated HEMMs is being done as per the manufacturer's schedule for effective control of

	Regular maintenance of all Diesel operated HEMMs will be done as per the manufacturer's schedule for effective control of exhaust emissions.	exhaust emissions. **<u>Water Conservation</u>:** Effluent from vehicle washing is being recycled and reused. **<u>Energy Optimization</u>:** Regular maintenance is consuming less fuel and is energy efficient. **<u>Pollution Control</u>:** Regular maintenance is emitting less air pollutants and less noise.
Haul Roads	<u>Recommended Control Measures</u>: i. All service roads will be well maintained. ii. All haul roads and service roads shall be regularly sprayed with water. iii. Plantation will be done alongside the service roads.	i. All service roads are being well maintained. ii. All haul roads and service roads are being regularly sprayed with water. iii. Plantation is being done alongside the service roads. **<u>Pollution Control</u>:** Regular watering is causing less emission of fugitive dust. **<u>Ecological Protection</u>:** Plantation improves ecology.
Overburden	<u>Recommended Control Measures</u>: i. Completed dumps will be subjected to technical reclamation. ii. Plantation shall be done on OB dumps to ensure stability of slopes and prevention of dust generation.	i. Completed dumps are being subjected to technical reclamation. ii. Plantation is being done on OB dumps to ensure stability of slopes and prevention of dust generation. **<u>Land Conservation / Land Slides</u>:** Slope stabilization leads to fewer landslides. **<u>Pollution Control</u>:** Plantation is reducing wind erosion of fugitive dust. **<u>Ecological Protection</u>:** Plantation improves ecology.

Coal Handling	Recommended Control Measures: i. CHP will be enclosed and mist spray arrangement installed at all receiving points, transfer points, ground level bunkers and loading points ii. Plantation will be done around the Coal Handling Plant (CHP).	 i. CHP is being enclosed and mist spray arrangement installed at all receiving points, transfer points, ground level bunkers and loading points ii. Plantation is being done around the Coal Handling Plant (CHP). **Pollution Control:** i. Mist spray is reducing fugitive emissions. ii. Avoidance of road transport by heavy vehicles is reducing dust emission from roads, especially if unpaved or broken. **Ecological Protection:** Plantation improves ecology.
Coal Transport	Recommended Control Measures: Transportation outside the ML area will be by road / rail / conveyor system.	 Transportation outside the ML area is by road system. **Energy Optimization:** Avoidance of use of heavy road vehicles and use of belt conveyors is being energy efficient.
(B)	**Water Pollution Control:**	
Surface	Recommended Control Measures: i. Garland drains will be made around quarry and OB dumps to collect run-off water and siltation points of sufficient size shall be provided for collection of silt. ii. OB dump run-off to be de-silted through settling tanks and reused. iii. Contour drains to be constructed along the slopes of OB dumps. iv. Toe walls to be constructed around the OB dump with boulders. iv. Collected from OB material.	 i. Garland drains are being made around quarry and OB dumps to collect run-off water and siltation points of sufficient size are being provided for collection of silt. ii. OB dump run-off are being de-silted through settling tanks and reused. iii. Contour drains are being constructed along the slopes of OB dumps. iv. Toe walls are being constructed around the OB dump with boulders. iv. Collecting from OB material. Water Conservation: Conserving fresh water sources. Land Conservation / Land Slides: Toe walls surrounding OB dumps are preventing sliding boulders, if any, not to reach working areas. Pollution Control:

		Garland drains and silt traps are preventing outflow of polluted water during rains.
Mine Water	Recommended Control Measures: Mine water will be treated in settling ponds for re-use.	Mine water is being treated in settling ponds for re-use. Water Conservation: Reuse of mine water is helping in water conservation. Pollution Control: Reduction in water pollution.
(C)	**Noise Pollution Control:**	
Blasting	Recommended Control Measures: i. Controlled blasting methods with proper spacing, burden and stemming will be adopted to get optimum results. ii. Blast holes will be judiciously charged to control noise and blast vibrations.	i. Controlled blasting methods with proper spacing, burden and stemming is being adopted to get optimum results. ii. Blast holes are being judiciously charged to control noise and blast vibrations. Pollution Control: Controlled blasting is controlling noise and blast vibrations. Ecological Protection: Less noise not threatens wild fauna and avi-fauna as this is being done only once in day time.
HEMM	Recommended Control Measures: i. Providing sound proof cabins for the workers deployed on machines producing higher levels of noise like dozers, shovels, dumpers, drills and feeder breakers. ii. The engine exhausts of HEMM to be fitted with mufflers. iii. HEMM to be properly maintained and operators to be provided with Ear mufflers / ear plug. iv. Reducing the exposure time of workers to the higher noise levels will be practiced.	I. Sound proof cabins for the workers deployed on machines producing higher levels of noise like dozers, shovels, dumpers, drills and feeder breakers have been provided. ii. The engine exhausts of HEMM have been fitted with mufflers. iii. HEMM are being properly maintained and operators are being provided with Ear mufflers / ear plug. iv. Reducing the exposure time of workers to the higher noise levels is being practiced. Pollution Control: 1Reduction in work zone noise to meet OSHA limits. 2. Noise mufflers are reducing atmospheric noise emission and keep SPL within OSHA limits in work zone and within ambient Noise

		Limits at boundary. 3. Reduction in work zone noise exposure to meet OSHA limits. 4. Worker rotation is being done as per OSHA standards.
(D)	**Land Management:**	
Topsoil	Recommended Control Measures: i. Topsoil will be stacked at earmarked place and shall be used only in reclamation of OB dumps. ii. Topsoil will invariably be removed from the site allocated for external dumping of OB material, to conserve precious natural resource and ensure better stability of dumps.	i. Topsoil is being stacked at earmarked place and is used only in reclamation of OB dumps. ii. Topsoil is being invariably be removed from the site allocated for external dumping of OB material, to conserve precious natural resource and ensure better stability of dumps. Ecological Protection: 1.Top soil spreading supports plantation on OB dumps and internal dumps. 2.Topsoil is not being stored on active OB dumps slopes to avoid sliding. 3.This will be dumped only after the OB dumps are stabilized with geo synthetic nets or equivalent for plantation.
Reclamation	Recommended Control Measures: i. Reclamation of mined out areas including external OB dumps and back filled areas shall be taken up concurrent with progress of mining operations as per the EMP. ii. Native species will be selected. iii. Voids left after the cessation of mining activities will be converted into water bodies. For plantation for better survival rates.	i. Reclamation of mined out areas including external OB dumps and back filled areas are being taken up concurrent with progress of mining operations as per the EMP. ii. Native species are being selected. iii. Voids left after the cessation of mining activities are being converted into water bodies. For plantation for better survival rates. Ecological Protection: 1. Plantation on reclaimed areas with native species improves ecology and visual impacts. 2. Water bodies created in voids at the end of mining help in supporting aquatic organisms and avi fauna and improves visual impacts.
(E)	**Environmental Awareness:**	
	Recommended Control Measures: Environmental awareness programs will be conducted in all mining areas to bring awareness among the employees regarding the environmental policy, its objectives and measures to be taken to	Environmental awareness programs are being conducted in all mining areas to bring awareness among the employees regarding the environmental policy, its objectives and measures to be taken to safeguard the environment.

	safeguard the environment. Awareness programs will be conducted on energy conservation, oil, water conservation, pollution control measures and ecological protection. Awareness will be created in the employees and public on the all effects of plastics usage and educate them to use alternatives.	 Awareness programs are being conducted on energy conservation, oil, water conservation, pollution control measures and ecological protection. Awareness is being created in the employees and public on the all effects of plastics usage and educating them to use alternatives.

Cost of Environmental Protection Measures

Capital Expenditure		
Sl. No.	**Particulars**	**Expenditure (Rs. In Lakhs)**
	Pollution Control	
1	Baseline data generation for Environmental components and preparation of EMP, various studies	2855000
2	Hydrogeological studies	1200000
3	Report for implementation of Rain water harvesting methods	132944
4	Water sprinkler (Static)	3358280
5	Oil & grease trap in workshop	4786643
6	Construction of garland drains, check dams, storm water drains etc.,	600000
	Pollution monitoring	
7	Pollution monitoring instruments like Spectrophotometer, Sound level meter, HS, OVS, Electronic Balance and firefighting arrangements.	565189
	Plantation and Green Belt	
8	Fencing, Protection, regeneration and maintenance of Safety Zone, Concertina fencing.	456889
9	Roadside Plantation	
Total Cost		**1,40,88,170**

Annexure-XII

EXPENSES INCURED FOR ENVIRONMENTAL MANAGEMENT
(For the Period of October 2024 to September 2025)

Sl. No.	Details of Measures Taken	Expenses (in Rs.)
A	**Water Pollution Control/Water Management** Construction of retaining wall, Garland drain, settling pond around the dump & stock yard	7,50,000.00
	(A) Sub Total Rs.	**7,50,000.00**
B	**Air Pollution Control/Air Management** 1. Water sprinkling on haul rod, coal yard & our working mines by movable water tanker & fog cannons system. 2. Wheel washer construction work (Already constructed)	33,58,280.00 72,32,769.00
	(B) Sub Total Rs.	**1,05,91,049.00**
C	**Solid/Hazardous Waste Management** 1. Disposal of Solid Waste	Nil As no waste generated 25-26
	(C) Sub Total Rs.	**Nil**
D	**Other areas** 1. Environmental monitoring 2. Housekeeping work	62,87,550.00 5,67,600.00
	(D) Sub Total Rs.	**68,55,150.00**
	GRAND TOTAL (A+B+C+D) Rs.	**1,81,96,199.00**