

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IMPACT ASSESSMENT DIVISION)
NON-COAL MINING SECTOR**

MINUTES OF 1st MEETING OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE (NON- COAL MINING SECTOR) HELD ON 26th-27th FEBRUARY 2026

Deliberation & Circulation of Earlier Minutes

(1.0) Deliberation & Circulation on the Minutes of 57th EAC (Non-Coal Mining) Meeting held during 31st December 2025.

Day 1: 26th February, 2026 (Thursday)

1.1 Naubasta-Kolard Part-A (Padriya_Rajarwara_ Khamhariya Kala) Limestone Block (Area: 569.286 Ha) with Limestone Production Capacity: 1.00 Million TPA, Top Soil: 0.01 Million TPA and Waste: 0.42 Million TPA (Total Excavation: 1.43 Million TPA) along with installation of 1400 TPH Capacity of Crusher located at Villages: Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard & Naubasta, Taluka: Nagod, District: Satna, State: Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd. - For Term of Reference (ToR) reg.

[Proposal No.: IA/MP/MIN/565780/2026, File No. J-11015/2/2026-IA-II (NCM), EIA Consultant-J. M. Environet Pvt. Ltd]

The proposal is for Term of Reference(ToR) of Proposed Naubasta-Kolard Part-A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block (Area: 569.286 Ha) with Limestone Production Capacity: 1.00 Million TPA, Top Soil: 0.01 Million TPA and Waste: 0.42 Million TPA (Total Excavation: 1.43 Million TPA) along with installation of 1400 TPH Capacity of Crusher located at Villages: Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard & Naubasta, Taluka: Nagod, District: Satna, Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd.

2. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	Proposed Naubasta-Kolard Part-A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block (Area: 569.286 Ha) with Limestone Production Capacity: 1.00 Million TPA, Top Soil: 0.01 Million TPA and Waste:
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	0.42 Million TPA (Total Excavation: 1.43 Million TPA) along with installation of 1400 TPH Capacity of Crusher located at Villages: Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard & Naubasta, Taluka: Nagod, District: Satna, State: Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd.	
Location	Village	Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard and Naubasta
	Taluka/Tehsil	Nagod
	District	Satna
	State / UT	Madhya Pradesh
	Latitudes	24° 35' 08.54" N to 24° 37' 05.13" N
	Longitudes	80° 40' 07.95" E to 80° 42' 08.27" E
	Sol Toposheet No.	Core Zone – G44U10_63D/10 Buffer Zone - G44U10_63D/10, G44U11_63D/11, G44U14_63D/14
Company's Name	Dalmia Cement (Bharat) Limited	
Accredited Consultant and certificate no.	JM EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No. NABET/EIA/23-26/RA 0250, dated 25.07.2025; valid up to 07.08.2026.	
KML file	KML has been uploaded in CAF (PARIVESH 2.0) and same is enclosed.	
Seismic zone	Zone – II as per IS: 1893 (Part-I): 2002	

ii. Category details:

Category of the project	Category "A" (>250 ha)
Schedule No	Project or Activity 1 (a)(3) for Mining of Minerals
Mining lease Area (MLA) (in ha.)	569.286 Ha
General Conditions (if any)	None

iii. Details of Mine Lease in chronological manner

S. No.	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1.	Letter of Intent was issued by the Govt. of Madhya Pradesh vide letter No. 1895/2812576/2025/12-1	07.05.2025	Limestone (Major)	3 years (Up to 06.05.2028)	Govt. of Madhya Pradesh	569.286 ha

iv. Land Use/Land Cover of the Mine Lease Area:

Private land	543.948 ha (as per RoR) & 553.329 ha (as per DGPS)
Government land	18.046 ha (as per RoR) & 16.578 ha (as per DGPS)
Forest Land	0
Total Mining lease area (MLA), Ha	569.286 ha (as per DGPS & LoI) & 561.994 ha (as per RoR)
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure is proposed outside the ML area.
Additional information (if any)	Total area of Limestone Block is 569.286 ha as per LOI and DGPS Survey. As per the Record of Rights of Revenue Department (ROR) of the said Block, Block area is 561.994 ha ; out of the which 543.948 ha is Private land and 18.046 ha is Govt. land. The difference in DGPS Survey/LOI area and Revenue area is also confirmed by DGM, Bhopal, Govt. of Madhya Pradesh vide Letter Ref. No. 1270/Khani/2025, dated 11.08.2025. Further, the granted Block 569.286 ha comprises of Mineralized Area – 507.179 ha and Ancillary Area (Non-Mineralized area) – 62.728 ha. Based on the revenue record, 95.621 ha (82.877 ha +12.744 ha) is restricted area comprising of various

	surface features such as Road, Habitation, Nala etc. and its safety buffer.
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v. Mining Plan Details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	MCDR-MPCOLST/30/2025-JBP-IBM_RO_JBP/MP-33/2025-25																											
	Date	12.11.2025																											
	Mineral & (Major/Minor)	Limestone (Major)																											
	Mine Lease Area, Ha	569.286 ha																											
	Validity	5 years from the date of execution and registration of Mine Lease.																											
Additional information (if any)	-None																												
Mining Parameters	Quantitative Description																												
Method of Mining	Fully Mechanized Opencast Mining Method.																												
Drilling/Blasting	<p>Drilling will be carried out with the help of self-propelled hydraulic drill with top hammer drill machine having 115mm diameter equipped with arrangement for wet drilling, dust collectors and sample collection. Controlled blasting will be carried out. No secondary blasting is proposed. Rock breaker will be deployed for breaking the oversized boulders. To control the ground vibration as well as fly rock only 100% Non-Electric (NONEL) detonators will be used.</p> <p style="text-align: center;">Drilling & Blasting Parameters</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No</th> <th style="width: 60%;">Parameter</th> <th style="width: 30%;">Details</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Diameter of hole (mm)</td> <td>115 mm</td> </tr> <tr> <td>2.</td> <td>Depth of hole (m)</td> <td>6.0 M</td> </tr> <tr> <td>3.</td> <td>Spacing (m)</td> <td>5.0 M</td> </tr> <tr> <td>4.</td> <td>Burden (m)</td> <td>3.0 M</td> </tr> <tr> <td>5.</td> <td>Yield per hole (M3)</td> <td>90 M³</td> </tr> <tr> <td>6.</td> <td>Charge per hole (kg)</td> <td>14 Kg (Waste) 31 Kg (ROM)</td> </tr> <tr> <td>7.</td> <td>Powder Factor (t/kg)</td> <td>10.20 (Waste) 7.88 (ROM)</td> </tr> <tr> <td>8.</td> <td>Charge per round (kg)</td> <td>280 (Waste) 930 (ROM)</td> </tr> </tbody> </table>		S. No	Parameter	Details	1.	Diameter of hole (mm)	115 mm	2.	Depth of hole (m)	6.0 M	3.	Spacing (m)	5.0 M	4.	Burden (m)	3.0 M	5.	Yield per hole (M3)	90 M ³	6.	Charge per hole (kg)	14 Kg (Waste) 31 Kg (ROM)	7.	Powder Factor (t/kg)	10.20 (Waste) 7.88 (ROM)	8.	Charge per round (kg)	280 (Waste) 930 (ROM)
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	9. Explosive Requirement Per Month for ROM Zone Blasting (kg)	3400.83 (Waste) 10602 (ROM)
Geological Reserves	149.70 Million Tonnes	
Mineable Reserves	99.53 Million Tonnes	
Breakup of Total Excavation (Top Soil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	<ul style="list-style-type: none"> ➤ Limestone: 1.00 Million TPA ➤ Top Soil: 0.01 Million TPA ➤ Waste: 0.42 Million TPA Total Excavation: 1.43 Million TPA Crusher: 1400 TPH Capacity	
Life of Mine	103 years as per estimated reserve & proposed EC capacity by PP (The life of the Mine may change after detailed exploration)	
Mine Bench Height & Bench Width	Bench Height: 6.0 m (Max.) Bench Width: 6.0 m (Min.)	
No. of Mine Benches	12 benches at conceptual stage	
Existing Depth, m bgl	23 m depth from 317m to 294m	
Ultimate Depth of Mining, m bgl	260m AMSL (61.5m bgl)	
Ground Water Table, m bgl	285m AMSL	
Details of ground water intersection	As per Approved Mining Plan, ground water table is at 285m AMSL and depth of working is 294m AMSL during plan period, therefore, no intersection of ground water is anticipated during plan period. However, water table will be intersected during course of mining for which necessary permission will be obtained from the concerned authority.	
Individual bench slope	80°	
Overall pit slope	45°	
Details of existing/proposed Crusher	It is proposed to install crusher of 1400 TPH capacity within the block for crushing of excavated limestone.	
Mineral Beneficiation	No	
RoM output size	-	
Transportation details including capacity of dumper/tipper, mode	Excavated limestone will be transported to crusher by haul road through dumpers. A 1400 TPH capacity crusher to be installed within mine block in North-West boundary.	

of transport and distance	Crushed Limestone mined out from this proposed block will be used in Company's Cement Plant and will also be sold to prospective end users by road.
Generation of Topsoil/OB & its Management during plan period & conceptual period.	During Plan Period, about 0.02 Million Tonnes of top soil will be generated. At conceptual stage, 1.294 Million Tonnes (0.809 Million CuM) of Top Soil will be generated. Top Soil will be used for greenbelt/plantation purpose.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	During Plan Period, about 0.84 Million Tonnes of Waste will be generated. At conceptual stage, 30.77 Million Tonnes (19.24 Million CuM) of OB/Waste and 73.29 Million Tonnes (45.80 Million CuM) of intercalated waste will be generated. Waste will be used for backfilling. Later on, backfilled area will be rehabilitated by plantation/re-grassing.
Additional information (if any)	The lease was auctioned on the basis of Exploration carried out by Mineral Exploration & Consultancy Limited (MECL), Nagpur under G2 level with 21 no. of core bore holes over an area 509.3991 ha from 12.08.2016 to 05.09.2019. Future exploration is proposed by DCBL with 96 Boreholes with 5140 meterage to establish the reserve under G1 level.

vi. Water Requirement

Total water requirement	90 KLD	Fresh Water	81
		Treated water	9
Source	Ground water and Rainwater Harvested in Mine Sump as & when developed.		
Permission for withdrawal/ intersection along with details of grant and its validity	Prior permission will be obtained from concerned authority before withdrawal of ground water. Ground water table will not be intersected during plan period. However, the ultimate working depth will be 260m AMSL. Thus, ground water will be intersected during course of mining for which necessary prior permissions will be obtained from concerned authority.		
Additional information (if any)	-None		

vii. Nearest village/ town/ highway/ interstate boundary/ railway station/ water bodies/ monument/forest

Particulars	Particular's Name	Distance & Directions
Nearest Village	➤ Habitation of Village Padariya,	➤ Within Core Zone in Central Part in restricted area
	➤ Habitation of Village Khamariya Kalan	➤ Within core Zone in NE Part in restricted area
	➤ Habitation of Village Damha	➤ Within core Zone in Southern Part in restricted area
	➤ Habitation of Village Rajarwara	➤ Within core Zone in Northern Part in restricted area
	➤ Habitation of Village Naubasta	➤ ~150 m in West direction
School	➤ GPS Padariya (Within restricted area of the Block from UPL)	➤ ~100 m in South direction from UPL
	➤ Maa Lalita Sanskar Valley English Medium School, Padariya	➤ Within mine block
	➤ GPS Nai Basti Chhinda	➤ ~50 m from block boundary in NE direction and ~55 m in West direction
Town	Nagod	~8.5 Km in SW direction
Nearest State/National Highway	➤ NH-39 (Earlier NH-75)	➤ ~1.0 Km in South direction
	➤ NH-943	➤ ~9.0 Km in SW direction
	➤ SH-56	➤ ~5.75 km in SW direction
Railway Station/Railway line	➤ Barethiya Railway Station	➤ ~0.15 Km in South direction, Under Construction
	➤ Satna Railway station	➤ ~13.0 Km in ESE direction
Water Bodies	➤ Seasonal Nala	➤ Passing through the mine Block in restricted area
	➤ Pond	➤ ~50 m in SE direction

	➤ Satna River	➤ ~0.5 Km in NE direction
	➤ Samda Jhil	➤ ~3.0 Km in NNW direction
	➤ Chaura Nala	➤ ~4.0 Km in ENE direction
	➤ Shyamnagar Nala	➤ ~5.0 Km in SE direction
	➤ Amran River	➤ ~5.5 Km in West direction
	➤ Bara Nala	➤ ~6.0 Km in South direction
	➤ Chhachhla Nala	➤ ~6.0 Km in South direction
	➤ Magraila Nala	➤ ~6.5 Km in SW direction
	➤ Nandaha Nala	➤ ~7.0 Km in SE direction
	➤ Tarkalla Nala	➤ ~7.5 Km in NW direction
	➤ Choti Jharsi Nala	~9.5 Km in NW direction
Forest	➤ Shyamnagar PF	➤ ~7.0 Km in South direction
	➤ Protected Forest	➤ ~8.5 Km in South direction

viii. Presence of Environmentally Sensitive areas in the study area

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	Total area of Limestone Block is 569.286 ha as per LOI and DGPS Survey. As per the Record of Rights of Revenue Department (ROR) of the said Block, Block area is 561.994 ha. Out of the which 543.948 ha is Private land and 18.046 ha is Govt. land. The difference in DGPS survey/LOI area and type of land Pvt/Revenue (Govt.) area is also confirmed by DGM, Bhopal, Govt. of Madhya Pradesh vide Letter Ref. No. 1270/Khanij/2025 dated 11.08.2025. As per revenue record, there is no involvement of forest land, only Pvt. + Govt. Revenue Land is involved in the project.
National Park	No	There is no National Park, Wildlife Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors etc. present within 10 km radius of the study area.
Wildlife Sanctuary	No	

Elephant/Tiger Reserve	No	
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	There is no Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA) located within 10km radius.
Coastal Regulation Zone (CRZ)	No	-
Schedule-I species (Nos. and name of schedule-I species with authenticated letter)	-	This proposal is for ToR. A detailed study for Schedule-I species will be conducted during the EIA stage, based on which a Wildlife Conservation Plan will be prepared and submitted for authentication.
Wildlife Conservation Plan	-	

ix. Greenbelt/Plantation details:

Proposed area for greenbelt/plantation and no. of saplings proposed	<ul style="list-style-type: none"> ➤ At conceptual stage, greenbelt/plantation will be developed covering an area of 182.62 ha (on backfilled area: 145 ha, on virgin land including greenbelt along the 7.5m block periphery: 36.70 ha, on utility services: 0.92 ha). ➤ Total 3,65,240 Nos. of saplings are proposed.
Budget for greenbelt & plantation till the end of life of mine.	Rs. 9.131 crore
Budget for nursery	-
Details of existing plantation and its survival rate	It is a greenfield project.
No. of tree cuts in the mine lease area	Approx. 300 Nos. of trees are falling within Mine Block. The trees are mostly falling in the restricted area of the Auction

and compensatory afforestation	Block and shall be retained, Trees falling in the Mining and related activities area will only be cleared. At conceptual stage, 182.62 ha area will be developed under greenbelt/plantation with 3,65,240 nos. of saplings.
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	11.60
500 m safety zones of nearest habitation villages	-
50 m safety zone of nallah, roads, electric lines	-

x. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	December, 2025 to February, 2026 - under progress
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season
Predominant Wind direction (From)	North-West
Ambient Air Quality (no. of locations) and results	12
Noise level (no. of locations) and results	12
Water Quality (no. of locations) and results	Ground water - 13 Surface water - 14
Soil Quality (no. of locations) and results	13
Hydro geological study and results	This Proposal is for ToR. Detailed study will be given in EIA/EMP report.
Traffic study (no. of locations) and results	This Proposal is for ToR. Detailed study will be given in EIA/EMP report.

xi. Rehabilitation & Resettlement (R&R):

R & R details	<p>Total block area is 569.286 ha.(DGPS) and 561.994 ha (as per RoR) { Private land - 543.948 ha (as per RoR) & 553.329 ha (as per DGPS) Govt land -18.046 ha (as per RoR) & 16.578 ha (as per DGPS) }. Block is falling in 08 Revenue Villages namely Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard & Naubasta.</p> <p>There are settlements/habitation of Village Padariya, Village Khamariya Kalan, Village Damha, Village Rajarwara within the Block, but the Habitations and the safety barrier has been demarcated as Restricted area in the LOI. Hence doesn't require R&R.</p> <p>Pvt. Land will be purchased. It is proposed that entire land within the ML area shall not be acquired in one go. Land purchase shall be done in phases as per the requirement for mining purpose. This is proposed in order to ensure minimal disturbance of the land & associated people. As per DCBL policy, following options will be adopted for latest land acquisition condition purchase of private land for ensuring sustainable mining and livelihood of land owners. It depends entirely on the land owners to opt for the below mentioned options:</p> <p>Option 1: Acquire land falling in the mining lease area through provisions of LARR Act, 2013 and rules made thereunder.</p> <p>Option 2: Direct Purchase Mode</p> <p>It is proposed to purchase the private agriculture Directly through mutual agreement with the land holders at negotiated rates and terms and conditions. Basis of Land Compensation will be in line of the RFCTARR Act 2013 (Right to Fair Compensation, Transparency in land Acquisition and Rehabilitation & Resettlement) or similar acts of Govt. of Madhya Pradesh under LARR. Options may also be evaluated to obtain land on lease/rental directly from the land owners at mutually agreed terms & conditions.</p> <p>Option 3: Securing land by payment of the annual surface compensation under the provision of Sec. 24 of the MMDR Act, 1957 and Rule 51 of The MCR Rules, 2016.</p>
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xii. Court case details:

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted undertaking dated 21.01.2026

xiii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted Affidavit dated 21.01.2026
Undertaking by Project Proponent in EIA/EMP report	This Proposal is for ToR. Undertaking will be submitted along with Final EIA/EMP Report.
Undertaking by Consultant in EIA/EMP report	This Proposal is for ToR. Undertaking will be submitted along with Final EIA/EMP Report.
Plagiarism Certificate	This Proposal is for ToR. Plagiarism Certificate will be submitted along with Final EIA/EMP Report.

xiv. Details of project cost and employment:

Particulars	(Rs. in Crores)
Total cost of EMP (Capital Cost of EMP + Capital Cost of Public Hearing)	This Proposal is for ToR. Details of Total cost of EMP (Capital Cost of EMP + Capital Cost of Public Hearing) will be given in EIA/EMP report. Public Hearing is yet to be conducted for the Project.
Project Cost	Rs. 215 Crores
Employment	49 Persons

3. Observation and Recommendation

EAC deliberated the proposal for Term of Reference (ToR) of the Proposed Naubasta-Kolard Part-A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block (Area: 569.286 Ha as per DGPS) with Limestone Production Capacity: 1.00 Million TPA, Top Soil: 0.01 Million TPA and Waste: 0.42 Million TPA (Total Excavation: 1.43 Million TPA) along with installation of 1400 TPH Capacity of Crusher located at Villages: Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard & Naubasta, Taluka: Nagod, District: Satna, Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd. The instant ML area is near to the PP's Naubasta Kolard Part-B (Padriya_Rajarwara_Khamhariya Kala) Limestone Block (Area: 252.256 Ha). Both the projects were appraised by the EAC in the meeting held on 26-27th Feb, 2026.

The proposed project activity is listed at Schedule 1(a) – Mining of Minerals under Category 'A' (Non-Coal Mining) of the EIA Notification, 2006.

The Project Proponent (PP), presented the KML file and highlighted the key site features. PP mentioned that ML area is located at Rajarwara, Khamhariya Kala, Chhinda, Naubasta, Padariya, Damha, Patna & Kolard Villages.

PP stated that letter of Intent for grant of ML over an area of 569.286 ha has been issued by Directorate of Mines & Geology, Mineral Resource Department, Govt. of Madhya Pradesh vide Letter No. 1895/2812576/2025/12-1 dated 07.05.2025 and it

is valid till 06.05.2028. Total area of Limestone Block is 569.286 ha as per LOI and DGPS Survey. As per the Record of Rights of Revenue Department (ROR) of the said Block, Block area is 561.994 ha; out of the which 543.948 ha is Private land and 18.046 ha is Govt. land. The difference in DGPS Survey/LOI area and Revenue area is also confirmed by DGM, Bhopal, Govt. of Madhya Pradesh vide Letter Ref. No. 1270/Khanij/2025, dated 11.08.2025.

PP reported that habitation of village Padariya is located within core zone in central part in restricted area, the habitation of village Khamariya is located within core zone in north easter part in restrict area, the village of Damha is location within core zone in southern part in restrict area, the village of Rajarwara is located in within core zone in northern part in restricted area and habitation of villages is located at a distance of 150 m in the west direction from the ML area. EAC noted the submission of PP and asked to explain about the restricted areas within ML area. PP submitted that the granted Block of 569.286 ha comprises of Mineralized Area – 507.179 ha and Ancillary Area (Non-Mineralized area) – 62.728 ha. Based on the revenue record, 95.621 ha (82.877 ha +12.744 ha) is restricted area comprising of various surface features such as Road, Habitation, Nala etc. and its safety buffer. Further, vide email dated 27.02.2026, PP submitted the Khasra Map/DGPS Survey showing the restricted area of the proposed mine block is along with Lol.

PP further reported that nearest town is Nagod and it is located approximately 8.5 km to the southwest direction from the ML area. Govt. Primary School located in restricted area of block in Padariya Vill. and at ~100m distance in South from the UPL. Govt. Primary School located at ~50 m from block boundary in NE and at ~55 m distance in West from UPL in Nai Basti Chhinda Village. A temple is located in Padariya Village located within a 50 m radius of the restricted block area.

EAC noted the submission of the PP and stated that no blasting is allowed within 500 m distance from the habitation and schools without special permission from DGMS. EAC advised PP to explore shifting of habitation, schools and temple present within 500 m distance from the UPL. EAC also advised PP to submit an action plan for protection of nearby villages from adverse impact of mining operations particularly, air pollution, fly rocks, blasting and ground vibrations, etc.

Further, PP mentioned that a minor irrigation canal passes near eastern side of the block in restricted area. A 50m safety barrier is to be left along both side of the canal. PP also informed that one seasonal nallah traverse towards southern part in the block in restricted area. It remains mostly dry during non-monsoon months.

EAC noted the submission of PP and advised PP to obtain the NOC from State Water Resource Department/Irrigation Department for all the natural nallahs, ponds, and also for the canal in lease area. EAC also emphasised that PP should consult

State Water Resource Department and SPCB for protection of the nallah and the canal and provide their recommendations.

PP mentioned that there are two existing roads passing through the Block area in Northern and Central part of the block. PP informed that Low Tension Power lines are passing through the lease area in North Eastern and Central Part of the block. PP committed that these features will not be disturbed at any stage of mining and adequate safety barrier shall be left along or around the features. Although, during mining operations, if existing approach to any such area is disturbed due to bench formation or other mining activities, an alternate approach shall be provided within the Block area as and when required with due permission from concerned authorities.

EAC noted the submission of PP and advised to undertake plantation, installation of metallic windshields and appropriate number of fog cannons to protect the villagers from adverse impacts of mining.

PP reported that the National Highway NH-39 (formerly NH-75) is located at a distance of 1.0 km in the southern direction of the mining lease (ML) area. Additionally, SH-56 is located at a distance of 5.75 km to the southwest direction and NH-943 located at a distance of 9.0 km in the southwest direction from the ML area.

PP mentioned that there are no national parks, Wildlife Sanctuaries, Biosphere Reserves, or Eco-Sensitive Zones within a 10 km radius of the Mine Lease.

PP also mentioned that Satna River is located at a distance of 0.5 Km in North-East direction from the ML area, a Pond located at a distance of 50m in SE direction and seasonal Nalla are located towards southern direction in the ML area. EAC directed that a 50m safety barrier should be proposed along both side of the nallah. . EAC was of the opinion that Project Proponent (PP) shall consult the State Water Resource Department and the State Pollution Control Board (SPCB) to develop and submit a comprehensive action plan for protection of ponds, nallahs and the rivers. This plan should focus on the protection and preservation of water bodies and rivers that are located within and adjacent to the periphery of the lease area. EAC also advised PP to submit HFL data of Satna river from Water Resource Department and Irrigation department. EAC also mentioned that no mining shall be permitted within the HFL of Satna River.

PP stated that Barethiya Railway Station is located at a distance of ~0.15 Km in South direction and it is under Construction. The railway line is located at approx. 50m distance from the mine block. EAC reviewed the submission of PP and stated that PP should consult Railway department and obtain an NOC from them. PP shall also consult railway department to formulate a SOP for safe mining and to ensure that mining activities doesn't impede the functioning of the railway station and there is no adverse impact on rail infrastructure and passengers. Necessary measures may be formulated in consultation with the Railway Department to mitigate the adverse impact of mining operations and protective measures such as metallic wind screens, plantation, and fog cannons should be installed to ensure the safety of the Railway

lines, station and passengers which should be in conformity with CPCB guidelines in this regard.

PP reported that the Mining Plan, including the Progressive Mine Closure Plan, has been approved by the Indian Bureau of Mines, Jabalpur vide letter dated 12.11.2025, covering a mining lease area of 569.286 ha and valid for five years. PP submitted that the mining operations are fully mechanized opencast method. Drilling will be carried out with the help of self-propelled hydraulic drill with top hammer drill machine having 115mm diameter equipped with arrangement for wet drilling, dust collectors and sample collection. Controlled blasting will be carried out. No secondary blasting is proposed. Rock breaker will be deployed for breaking the oversized boulders. To control the ground vibration as well as fly rock only 100% Non-Electric (NONEL) detonators will be used. PP stated that as per Approved Mining Plan, ground water table is at 285m AMSL and depth of working is 294m AMSL during plan period, therefore, no intersection of ground water is anticipated during plan period. However, water table will be intersected during course of mining for which necessary permission will be obtained from the concerned authority.

PP mentioned that a 1400 TPH crusher will be installed within mine block in North-West boundary. EAC asked PP to submit a timebound action plan for development of greenbelt around three sides of the crusher. EAC also advised PP to take necessary mitigative measures to arrest fugitive dust emission and follow CPCB guidelines.

With regard to transportation, PP mentioned that excavated limestone will be transported to crusher by haul road through dumpers. The crushed limestone mined out from this proposed block will be used in Company's proposed Cement Plant which is planned in the close proximity of the mine block in future. However, as this is auctioned block and no end use plant is defined Limestone will also be used in Company's Jamuna Cement Plant which is located at approx. 38.0 km distance from the mine block by covered tippers via road. Separate application for obtaining prior Environmental Clearance for Cement Plant has been submitted vide Proposal No.: IA/MP/IND1/544953/2026 dated 12.02.2026 and considered in the 22nd Meeting of EAC Industry-1, Agenda Item No. 22.13 held on 25.02.2026. The major transportation will be through NH 39. Only Approach to NH-39 will be via Village Road which will be strengthened in consultation with Local Authority. Wherever Habitation falls within the route on Village Road, diversion will be created for that portion of the Road. Limestone will also be sold to prospective end users nearby through covered tippers via road. At Normative stage, the limestone production per day 3334 tonnes. Total trips of 35 tonnes capacity of dumper required for transport of 3334 tonnes limestone (in a day) will be 190 (to & fro) and the number of trips per hour will be 28 (to & fro) (1 shifts @ 7 working hrs). At Peak stage, the limestone production per day 4001 tonnes. Total trips of 35 tonnes capacity of dumper required for transport of 4001 tonnes limestone (in a day) will be 228 (to & fro) and the number of trips per hour will be 32 (to & fro) (1 shifts @ 7 working hrs). EAC noted the submission of PP and asked PP to avoid transportation through village road and also to carry out the carrying capacity

of the proposed transportation route to cement plant and prospective buyers. EAC also advised PP to submit a list of their prospective buyers.

The project's total water requirement is estimated to be 90 KLD. PP reported that water shall be initially sourced from the ground water and then from mine sump when developed. EAC noted the submission of PP and asked to plan construction of water reservoir or pond within the ML area to reduce dependency on ground water.

With regard to greenbelt development in the ML area, PP informed that at conceptual stage, 145 ha area is to be backfilled and later on same will be rehabilitated by plantation & re-grassing. Plantation will also be developed on virgin land including greenbelt along the 7.5m block periphery covering an area of 36.70 ha. Plantation will be developed under utility services covering an area of 0.92 ha. Thus, total area to be covered under the greenbelt/ plantation is 182.62 ha. About 3,65,240 Nos. of saplings will be planted. Local and fruit bearing species viz. Neem, Peepal, Khair, Haldu, Bel, Amla, Karonda, Mahua, Palash, Teak, Siris, Tendu, Bamboo, Banyan, Behada etc. will be planted in consultation with local forest officer and as per CPCB guidelines. Total estimated budget for the Greenbelt/Plantation is Rs. 9.131 Crore. Further vide email dated 09.03.2026, PP informed that at the conceptual stage, an area of 182.62 ha was proposed to be developed under greenbelt/plantation with 3, 65,240 saplings, calculated at a density of 2,000 saplings per hectare, as per the earlier submission. In compliance with the suggestion of the EAC, PP submitted that the proposed plantation density has now been enhanced from 2,000 to 2,500 saplings per hectare. Accordingly, based on the revised density, the total number of saplings to be planted will increase from 3,65,240 to 4,56,550. Miyawaki plantation technique will also be implemented to the extent possible. With regard to tree felling within mining area, PP submitted that the trees in the mining area will be uprooted and all endeavours will be made to transplant the eligible trees along the mine block periphery and other safety zone.

Regarding Rehabilitation & Resettlement (R&R), PP submitted that total block area is 569.286 ha as per DGPS & 561.994 ha as per RoR., out of the which 553.329 ha (as per DGPS) & 543.948 ha (as per RoR) is Private land and 16.578 ha (as per DGPS) & 18.046 ha (as per RoR) is Govt. land. Block is falling in 08 Revenue Villages namely Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard & Naubasta. There are settlements/habitation of Village Padariya, Village Khamariya Kalan, Village Damha, Village Rajarwara within the Block, but the Habitations and the safety barrier has been demarcated as Restricted area in the LOI (Letter of intent issued by State Government). Hence, project doesn't require R&R. Private land will be purchased. It is proposed that entire land within the ML area shall not be acquired in one go. Land purchase shall be done in phases as per the requirement for mining purpose. This is proposed in order to ensure minimal disturbance of the land & associated people. As per DCBL policy, following options will be adopted for purchase

of private land for ensuring sustainable mining and livelihood of land owners. It depends entirely on the land owners to opt for the below mentioned options:

Option 1: Acquire land falling in the mining lease area through provisions of LARR Act, 2013 and rules made thereunder.

Option 2: Direct Purchase Mode

It is proposed to purchase the private agriculture directly through mutual agreement with the land holders at negotiated rates and terms and conditions. Basis of Land Compensation will be in line of the RFCTARR Act 2013 (Right to Fair Compensation, Transparency in land Acquisition and Rehabilitation & Resettlement) or similar acts of Govt. of Madhya Pradesh under LARR. Options may also be evaluated to obtain land on lease/rental directly from the landowners at mutually agreed terms & conditions.

Option 3: Securing land by payment of the annual surface compensation under the provision of Sec. 24 of the MMDR Act, 1957 and Rule 51 of The MCR Rules, 2016.

EAC noted the submission of PP and advised to provide ample opportunities in the form of jobs and skill development for nearby villagers specially the landlosers.

With regard to some visible mined out areas as observed during the presentation within the ML area, PP submitted a letter from State DMG dated 26.02.2026 stating that no mining activity has been done by the Dalmia Cement (Bharat) Ltd in the ML area.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 1th EAC meeting held on 26th -27th February, 2026, under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal of Term of Reference (ToR) for Naubasta-Kolard Part-A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block (Area: 569.286 Ha) with Limestone Production Capacity: 1.00 Million TPA, Top Soil: 0.01 Million TPA and Waste: 0.42 Million TPA (Total Excavation: 1.43 Million TPA) along with installation of 1400 TPH Capacity of Crusher located at Villages: Padariya, Rajarwara, Khamhariya Kala, Chhinda, Patna, Damha, Kolard & Naubasta, Taluka: Nagod, District: Satna, State: Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd. subject to the following specific conditions in addition to the existing standard condition applicable for Non-coal mining projects:-

- i. No blasting shall be allowed within 500 m distance from the habitation, school and temple without special permission from DGMS. Accordingly, PP needs to prepare a protection plan for safeguarding the habitation from any adverse effects of mining by including provision of greenbelt development and installation of metallic windscreens near the habitations.
- ii. PP shall not undertake any mining activity within 500 m distance from the Satna river and canal. PP needs to obtain the HFL data of river and to ensure

that no mining activity is carried out within the HFL of the Satna river passing in the lease area.

- iii. PP needs to obtain NoC from State Irrigation Department with respect to minor canal.
- iv. PP should consult State Water Resource Department/irrigation department and State Pollution Control Board to safeguard the river and the minor canal from any adverse effect of mining
- v. PP should plan to ensure that no untreated water is discharged from the mine site to any of these water bodies.
- vi. PP needs to submit HFL data of the Satna river from State Water Resource Department/ Irrigation department.
- vii. Project Proponent (PP) shall engage with the State Water Resource Department and the State Pollution Control Board (SPCB) to develop and submit a comprehensive action plan. This plan must focus on the protection and preservation of water bodies and rivers that are located within and adjacent to the periphery of the lease area.
- viii. PP needs to submit an action plan to undertake plantation, installation of metallic wind shields and appropriate number of fog cannons to protect the villagers from adverse impact of mining including dust & flyrocks.
- ix. PP should consult Railway department and obtain an NOC from them. PP in consultation with railway department shall formulate a SOP for mining activities to ensure that mining activities doesn't impede the functioning of the railway station. Necessary measures may be formulated in consultation with the Railway Department to mitigate the adverse impact of mining operations and protective measures such as metallic wind screens, plantation, and fog cannons should be installed to ensure the safety of the Railway lines, station and passengers, which would also be in conformity with CPCB guidelines.
- x. PP needs to take permission from CGWA for ground water withdrawal and abstraction.
- xi. PP needs to submit a timebound action plan for development of greenbelt around three sides of the crusher.
- xii. PP needs to avoid transportation through village road and also to carry out the carrying capacity of the proposed transportation route to cement plant and prospective buyers. PP shall also submit a list of their prospective buyers along with transportation routes.
- xiii. Project proponent needs to submit the detailed scientific plan for constructing the retaining wall, check dams, drains and other structures so that there is no flow of dump/ore silt outside the lease area. PP should ensure that no untreated water is discharged from the mine site to any of the natural water bodies and submit a detailed plan thereof.
- xiv. PP should submit a detailed plan for rain water harvesting structure with year wise target for reduction in consumption of the ground/surface water by

developing alternative source of water through rain water harvesting and other measures.

- xv. The Project proponent needs to submit a detailed plan showing more use of renewable energy in the project
- xvi. The Project Proponent needs to submit the scientific study on flora and fauna and also to highlight effects on the endangered species. The Project Proponent needs to submit the authenticated list as per the latest Wildlife Protection Amendment Act, 2022 and shall accordingly prepare a Wildlife Conservation Plan as per the Wildlife Protection Amendment Act, 2022 . PP needs to submit the proof of submission of Wildlife Conservation Plan to State Forest Department.
- xvii. The Project Proponent needs to monitor the ambient air quality and noise level at the mine lease boundary, nearest villages, crusher, predominant downwind direction and at other sensitive receptors. Accordingly, Project Proponent shall propose to install Continuous Ambient Air Quality Monitoring Stations within certain timeline.
- xviii. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation by assessing air pollution, noise level and ground vibration.
- xix. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years. The Project proponent shall ensure that the activities proposed under the public hearing shall be different from the CSR activities. PP needs to submit a tangible and monitorable action plan for meeting the public hearing commitments.
- xx. The Project Proponent needs to undertake the enumeration of the tree species within the mine lease area before cutting. The Project Proponent also needs to submit the compensatory afforestation plan for the number of trees to be cut in the mine lease area and also to explore the possibility of tree transplantation.
- xxi. The Project Proponent needs to submit the action plan for undertaking the plantation along the 7.5m barrier, safety zone of tar road/cart tracks, electric line etc., PP should also submit the details of numbers of saplings to be planted (2500/ha), type of saplings proposed and the area to be covered under greenbelt/plantation along with the timeline and budget. The

greenbelt/plantation plan shall be prepared in such a way that the ecology of the area shall be restored. Miyawaki plantation technique in atleast 20 % of the overall plantation.

- xxii. The Project Proponent shall carry out the assessment of impact due to the proposed project as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xxiii. The project proponent shall conduct hydrological study for projects involving intersection of ground water table as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xxiv. The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology up gradation, etc. The efforts shall be delineated in the EIA/EMP.
- xxv. The Project Proponent shall prepare the scheme for mandatory recycle/re-use of water as specified by the Central Ground Water Authority for different category areas.
- xxvi. The Project Proponent needs to submit the plan for Socio economic development of the neighbourhoods' habitats based on the need-based survey along with the time bound action plan in consultation with the local people. Inclusive development with initiatives focused on employment generation, educational support, healthcare facilities for the local communities be planned.
- xxvii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.
- xxviii. The Project Proponent shall provide the details of Special Pollution Control/ Abatement devices that have been proposed to be installed within the ML area and how does the technology compare with the best available technology in the field.
- xxix. PP to engage a reputable national institute for conducting both blasting and ground vibration studies and to carry out a scientific assessment of air overpressure and fly rock distances following blasting.
- xxx. PP should ensure that all the documents including the approved Mining plan and EIA /EMP should be in consonance with each other.

- xxxi. The Project Proponent should submit an action plan to construct water reservoirs within the mine lease area so that reliance on outside water/ground water is lessened/ eliminated.
- xxxii. The Project Proponent needs to prepare the installation plan for permanent fixed water sprinkling system along the Haul roads. Installation of fog canons at necessary locations in the project should also be planned and submitted.
- xxxiii. The Project Proponent needs to prepare plan to develop the treatment facility for wastewater within the ML area.
- xxxiv. PP needs to submit an action plan for installation/ maintenance of ETP and Oil & Grease trap within the ML Area.
- xxxv. The Project Proponent needs to submit employment-based skill development plan for the local people, and thrust should be to provide employment to local people after imparting training.
- xxxvi. PP needs to project & submit yearwise back filling plan.
- xxxvii. PP shall ensure compliance of MoEFCC O.M. dated 14.01.2025 regarding streamlining the implementation of GSR 702 and GSR 703 dated 12.11.2024 .
- xxxviii. PP need to assess impact on nearby villages, traffic, and state highway due to mining operations including blasting and transportation. Necessary consultation/ permissions from DGMS may be taken in this regard. PP needs to take mitigation measures including for dust suppression, traffic management, noise reduction, and health safeguards based on public hearing/ stakeholder consultations.
- xxxix. PP is required to conduct a cumulative impact assessment including the adjacent mines. This assessment should encompass key factors, including water requirements, air, water, noise pollution levels, power consumption, transportation logistics, waste management practices, and the combined emissions load from projects effects on flora & fauna, etc. EMP should be prepared accordingly.
- xl. Project proponent needs to submit the detailed scientific plan for constructing the retaining wall/other structures so that there is no flow of dump/ore silt outside the lease area. Catch drains, Siltation ponds, gabbions structures, check dams, etc. shall be planned accordingly and submitted with locations, drawing/ layouts.

- xli. The Project Proponent shall monitor the water quality in the impact zone such as water reservoir, river water with specific reference to the parameter Langelier Saturation Index which will denote the impact of calcium carbonates on water bodies and these parameters and determine the tendency of water to form calcium carbonate scaling.
- xlii. PP needs to submit an action plan as per OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign “EK Ped Ma ke Naam” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal (<https://merilife.nic.in>).
- xliii. Since, there are many habitations of villages Padariya, Khamariya, Damra, Rajarwara, Naubasta in the leased area, PP may endeavour to consult the habitants of the above villages and prepare an action plan so that the villagers can be shifted to other places, if they wish so.

1.2 Proposed Naubasta-Kolard Part-B (Helaundha) Limestone Block (Area 252.256 Ha) with Limestone Production Capacity: 0.402 Million TPA, Top Soil: 0.004 Million TPA and Waste: 0.168 Million TPA (Total Excavation: 0.574 Million TPA) located at Villages: Helaundha, Mahkona, Vasudha & Sapti Mafi, Taluka: Nagod, District: Satna, Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd.-For Term of Reference (ToR) reg.

[Proposal No.: IA/MP/MIN/566592/2026, File No. J-11015/3/2026-IA-II (NCM), EIA Consultant - J. M. Environet Pvt. Ltd]

The proposal is for Term of Reference(ToR) of Proposed Naubasta-Kolard Part-B (Helaundha) Limestone Block (Area 252.256 Ha) with Limestone Production Capacity: 0.402 Million TPA, Top Soil: 0.004 Million TPA and Waste: 0.168 Million TPA (Total Excavation: 0.574 Million TPA) located at Villages: Helaundha, Mahkona, Vasudha & Sapti Mafi, Taluka: Nagod, District: Satna, Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd.

2. The details of the project submitted by the Project Proponent are given as under:

i. Project details:

Name of the Proposal	Proposed Naubasta Kolard Part B (Helaundha) Limestone Block (Area 252.256 Ha) with Limestone Production Capacity: 0.402 Million TPA, Top Soil: 0.004 Million TPA and Waste: 0.168 Million TPA (Total Excavation: 0.574 Million TPA) located at Villages: Helaundha, Mahkona, Vasudha & Sapti Mafi, Taluka: Nagod, District: Satna, State: Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd.	
Location	Village	Helaundha, Mahkona, Vasudha & Sapti Mafi
	Taluka/Tehsil	Nagod
	District	Satna
	State	Madhya Pradesh
	Latitudes	24°36'04.86" N to 24°36'48.660" N
	Longitudes	80°38'34.400" E to 80°40'8.92" E
	Sol Toposheet No.	Core Zone: G44U10_63D/10 Buffer Zone: G44U10_63D/10, G44U11_63D/11 & G44U14_63D/14
Company's Name	Dalmia Cement (Bharat) Ltd.	
Accredited Consultant, Certificate No. & Validity	JM EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No. QCI/NABET/ENV/ACO/25/3796, dated 25.07.2025 which is valid up to 07.08.2026.	
KML file	KML has been uploaded in CAF (PARIVESH 2.0) and same is enclosed.	
Seismic zone	Zone – II (As per IS: 1893 (Part-I)-2025)	

ii. Category details:

Category of the project	Category "A" (>250 ha)
Schedule No	Project or Activity 1 (a)(3) for Mining of Minerals
Mining lease Area (MLA) (in ha)	252.256 Ha
General Conditions (if any)	No

iii. Details of Mine Lease in chronological manner

S. No.	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1.	Letter of Intent for grant of Mine Lease over an area 252.256 ha issued by Directorate of Mines & Geology, Mineral Resource Department, Madhya Pradesh Govt. vide letter No. 1899/2812527/2025/12-1	07.05.2025	Limestone (Major)	3 years (Up to 06.05.2028)	Govt. of Madhya Pradesh	252.256

iv. Land Use/Land Cover of the Mine Lease Area:

Private land	243.766 ha
Government land	8.49 ha
Total Mining lease area (MLA), Ha	252.256 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Infrastructure viz. Workshop & Crusher of 1400 TPH capacity is proposed to be installed in another block in the vicinity i.e., Naubasta Kolard Part A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block. Separate application for EC has been submitted vide Proposal No.: IA/MP/MIN/565780/2026 dated 22.01.2026 for Naubasta Kolard Part A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block. The proposal is being considered as Agenda No. 1.2 in the 1st Meeting of the Re-constituted Expert Appraisal Committee (Non-Coal Mining Sector) for grant of TOR. Both the auctioned blocks are separated by an aerial distance of approximately 1 km.
Additional information (if any)	Total area of Limestone Block is 252.256 ha as per LOI which comprises of Mineralized Area – 218.962 ha and Ancillary

	Area (Non-Mineralized area) – 33.294 ha. Based on the revenue record, 45.345 ha (40.954 ha +4.391 ha) is Restricted Area comprising of various surface features such as existing pit, Road, Habitation, Nala etc. and its safety buffer.
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v. Mining Plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	Vide Letter No. MCDR-MPCOLST/29/2025-JBP-IBM_RO/MP-34-25-26															
	Date	14.11.2025															
	Mineral & (Major/Minor)	Limestone (Major)															
	Mine Lease Area, Ha	252.256 ha															
	Validity	5 years from the date of execution and registration of Mine Lease.															
Additional information (if any)	-																
Mining Parameters	Quantitative Description																
Method of Mining	Fully Mechanized Opencast Mining Method																
Drilling/Blasting	<p>Drilling will be carried out with the help of self-propelled hydraulic drill with top hammer drill machine having 115mm diameter equipped with arrangement for wet drilling, dust collectors and sample collection. Controlled blasting will be carried out. No secondary blasting is proposed. Rock breaker will be deployed for breaking the oversized boulders. 100% Non-Electric (NONEL) detonators will only be used to control the ground vibration as well as fly rock.</p> <p style="text-align: center;">Drilling & Blasting Parameter</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 60%;">Parameter</th> <th style="width: 30%;">Details</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Diameter of hole (mm)</td> <td>115 mm</td> </tr> <tr> <td>2</td> <td>Depth of hole (m)</td> <td>6 m</td> </tr> <tr> <td>3</td> <td>Spacing (m)</td> <td>5 m</td> </tr> <tr> <td>4</td> <td>Burden (m)</td> <td>3 m</td> </tr> </tbody> </table>		S. No.	Parameter	Details	1	Diameter of hole (mm)	115 mm	2	Depth of hole (m)	6 m	3	Spacing (m)	5 m	4	Burden (m)	3 m
S. No.	Parameter	Details															
1	Diameter of hole (mm)	115 mm															
2	Depth of hole (m)	6 m															
3	Spacing (m)	5 m															
4	Burden (m)	3 m															

	5	Yield per hole (M3)	90 M ³
	6	Charge per hole (kg)	14 kg (Waste) 31 kg (Ore)
	7	Powder Factor (t/kg)	10.30 T/Kg (Waste) 7.89T/Kg (Ore)
	8	Charge per round (kg)	280 kg (Waste) 620 kg (Ore)
	9	Explosive Requirement Per Month for ROM Zone Blasting (kg)	1361 kg (Waste) 4247 kg (Ore)
Geological Reserves		47.1788 Million Tonnes	
Mineable Reserves		30.6010 Million Tonnes	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)		<ul style="list-style-type: none"> ➤ Limestone: 0.402 Million TPA ➤ Top Soil: 0.004 Million TPA ➤ OB: 0.168 Million TPA Total Excavation: 0.574 Million TPA	
Life of mine		~80 Years (The life of the Mine may change after detailed exploration)	
Mine Bench Height & Bench Width		Bench Height: 6.0 m Bench Width: 6.0 m	
No. of Mine Benches		6 benches	
Plan period m bgl		22 m	
Ultimate Depth of Mining, m bgl		292m AMSL (30m bgl)	
Ground Water Table, m bgl		285m AMSL	
Details of ground water intersection		As per Approved Mining Plan, ground water table is at 285m AMSL and depth of working is 292m AMSL during plan period, therefore, no intersection of ground water is anticipated during plan period. However, water table will be intersected during course of mining for which prior permission will be obtained from the concerned authority.	
Individual bench slope		85°	
Overall pit slope		45°	

Details of existing/ proposed Crusher	<p>A 1400 TPH capacity of crusher proposed to be installed in another block in vicinity i.e., Naubasta Kolard Part A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block.</p> <p>Separate application for EC has been submitted vide Proposal No.: IA/MP/MIN/565780/2026 dated 22.01.2026 for Naubasta Kolard Part A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block. The proposal is being considered as Agenda No. 1.2 in the 1st Meeting of the Re-constituted Expert Appraisal Committee (Non-Coal Mining Sector) for grant of TOR.</p>
Mineral Beneficiation	Nil
RoM output size	-
Transportation details including capacity of dumper/tipper, mode of transport and distance	Excavated limestone will be transported to the Crusher (1400 TPH capacity) proposed to be installed in another block in the vicinity i.e., Naubasta Kolard Part A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block. Further, crushed limestone will be transported to Company's Cement Plant and will also be sold to prospective end users through dumpers by road.
Generation of Topsoil/OB & its Management during plan period & conceptual period.	<p><u>Top Soil:</u></p> <p>During plan period, 0.0089 Million Tonnes of Topsoil will be generated. Cumulatively, up to the conceptual stage, 0.496 Million Tonnes (0.309 Million CuM) top soil will be generated. Top Soil will be used for greenbelt & plantation development.</p>
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	<p><u>OB/Waste:</u></p> <p>During Plan Period, 0.365 Million Tonnes and at conceptual stage, 27.248 Million Tonnes (17.030 Million CuM) of Waste (OB) waste will be generated. Waste will be stacked temporarily and will be used for backfilling purpose.</p>
Additional information (if any)	The lease was auctioned on the basis of Exploration carried out by Mineral Exploration & Consultancy Limited (MECL), Nagpur under G2 level with 9 no. of core bore holes over an area 217.1498 ha from 02.06.2017 to 21.06.2019.

	Future exploration is proposed by DCBL with 34 Boreholes with 1940 meterage to establish the reserve under G1 level.
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vi. Water requirement

Total Water Requirement	75 KLD	Domestic	05 KLD
		Mining Purposes	70 KLD
Source	Ground water and Rainwater Harvested in Mine Sump as & when developed.		
Permission for withdrawal/ intersection along with details of grant and its validity	Prior permission will be obtained from concerned authority before withdrawal of ground water. Ground water table will not be intersected during plan period. However, the ultimate working depth will be 292m AMSL. Thus, ground water will be intersected during course of mining for which necessary permissions will be obtained from concerned authority.		
Additional information (if any)	-		

vii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particular	Particular's Name	Distance & Directions
Nearest Village	Habitation of Village Helaundha	Located within restricted area and adjacent to the block boundary and at 50 m distance from the Ultimate Pit Limit towards SE direction; however, a few structures also falling in restricted area in SE direction.
	Habitation of Village Sapti Mafi	~0.9 km in NE direction
	Habitation of Village Vasudha	~1.0 km from Block and 1.2 km from UPL in NNW direction
School	GPS Helaundha Chota Tola	(~30 m from Block and 135 from UPL in NE direction)

Particular	Particular's Name	Distance & Directions
Nearest State/National Highway	NH-39 (Earlier NH-75)	~3.0 km in SSE direction
	NH-943	~7.5 km in SW direction
Railway Station/Railway line	Barethiya Railway Station	~2.8 km in SE direction
	Satna Railway Station	~17.0 km in ESE direction
Water Bodies	Samda Jhil	~3.5 km in NNE direction
	Satna River	~2.0 km in NNE direction
	Amran River	~2.0 km in West direction
	Nallah	~0.5 km in East direction
	Magraila Nallah	~5.0 km in SW direction
	Tarkalla Nallah	~6.0 km in NNW direction
	Bara Nallah	~7.5 km in SSE direction
	Chaura Nallah	~7.5 km in ENE direction
	Chhachhla Nallah	~7.5 km in SSE direction
	Choti Jharsi Nallah	~8.0 km in NNW direction
	Shyamnagar Nallah	~8.0 km in SE direction
	Surhain Nallah	~9.0 km in NNW direction
	Chhuiya Nallah	~9.5 km in NW direction
Nandaha Nallah	~9.5 km in SE direction	

Particular	Particular's Name	Distance & Directions
Forest	Shyamnagar PF	~8.5 km in South direction

viii. Presence of Environmentally Sensitive areas in the study area

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	Total block area is 252.256 ha; out of which 243.766 ha is Private Land and 8.49 ha is Govt. Land. As per revenue record, there is no involvement of forest land, only Pvt. + Govt. Revenue Land is involved in the project. The letter issued by Collector Office (Mining section), Dist Satna vide letter dated 06.08.2025 has confirmed that the Block area comprises of Pvt. Land and Govt. Revenue Land.
National Park	No	There are no National Park, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km study area.
Wildlife Sanctuary	No	
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	There is no Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA) located within 10km radius.
Coastal Regulation Zone (CRZ)	No	-
Schedule-I species (No. s and name of schedule-I species with authenticated letter)	-	This proposal is for ToR. A detailed study for Schedule-I species will be conducted during the EIA stage, based on which a Wildlife Conservation Plan will be prepared and submitted for authentication.
Wildlife Conservation Plan	-	

ix. Green belt/Plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	At conceptual stage, greenbelt/plantation will be developed covering Total area of 84.52 ha. (greenbelt/plantation on backfilled area is 64.08 ha, on utility services is 0.4414 ha and on virgin area including greenbelt in 7.5 m along block periphery is 20 ha). Total 169,040 nos. of saplings are proposed.
Budget for green plant & plantation till the end of life of mine.	Rs. 4.276 crore
Budget for nursery	-
Details of existing plantation and its survival rate	It is a greenfield project.
No. of tree cuts in the mine lease area and compensatory afforestation	During entire mining process about 130 nos. of trees will be cut and 84.52 ha will be developed under greenbelt/plantation with 1,71,043 nos. of saplings.
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non mineralized areas	5.10
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-

x. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	December, 2025 to February, 2026 - under progress
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season
Predominant Wind direction (From)	North-West

Ambient Air Quality (no. of locations) and results	12
Noise level (no. of locations) and results	12
Water Quality (no. of locations) and results	Surface Water – 14 Ground Water - 13
Soil Quality (no. of locations) and results	13
Hydro geological study and results	This Proposal is for ToR. Detailed study will be given in EIA/EMP report.
Traffic study (no. of locations) and results	This Proposal is for ToR. Detailed study will be given in EIA/EMP report.

xi. Rehabilitation & Resettlement:

R & R details	<p>Total block area is 252.256 ha, out of which 8.49 ha is Govt. land and 243.766 ha is Private land. The mine block falling in 04 Revenue Villages i.e., Helaundha, Mahkona, Vasudha & Sapti Mafi.</p> <p>There is Habitation of Village Helaundha falling in southern part of the block in restricted area and adjacent to the block boundary and is at 50 m distance from the Ultimate Pit Limit towards SE direction. but the Habitations and the safety barrier has been demarcated as Restricted area in the LOI. Hence doesn't require R&R.</p> <p>Private. Land will be purchased. It is proposed that entire land within the ML area shall not be acquired in one go. Land purchase shall be done in phases as per the requirement for mining purpose. This is proposed in order to ensure minimal disturbance of the land & associated people. As per DCBL policy, following options will be adopted for purchase of private land for ensuring sustainable mining and livelihood of land owners. It depends entirely on the land owners to opt for the below mentioned options:</p> <p>Option 1: Acquire land falling in the mining lease area through provisions of LARR Act, 2013 and rules made thereunder.</p> <p>Option 2: Direct Purchase Mode</p> <p>It is proposed to purchase the private agriculture Directly through mutual agreement with the land holders at negotiated rates and terms and conditions. Basis of Land Compensation will be in line of the RFCTARR Act 2013 (Right to Fair Compensation, Transparency in land Acquisition and Rehabilitation & Resettlement) or similar acts of Govt. of Madhya</p>
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	Pradesh under LARR. Options may also be evaluated to obtain land on lease/rental directly from the land owners at mutually agreed terms & conditions. Option 3: Securing land by payment of the annual surface compensation under the provision of Sec. 24 of the MMDR Act, 1957 and Rule 51 of The MCR Rules, 2016.
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xii. Court case details:

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted undertaking dated 27.01.2026

xiii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted Affidavit dated 21.01.2026
Undertaking by Project Proponent in EIA/EMP Report	This Proposal is for ToR. Undertaking will be submitted along with Final EIA/EMP Report.
Undertaking by Consultant in EIA/EMP report	This Proposal is for ToR. Undertaking will be submitted along with Final EIA/EMP Report.
Plagiarism Certificate	This Proposal is for ToR. Plagiarism Certificate will be submitted along with Final EIA/EMP Report.

xiv. Details of project cost and employment:

Particulars	Budget (Rs. in Crores)
Total Cost for EMP (Capital Cost of EMP + Capital cost of Public Hearing)	This Proposal is for ToR. Details of Total cost of EMP (Capital Cost of EMP + Capital Cost of Public Hearing) will be given in EIA/EMP report. Public Hearing is yet to be conducted for the Project.
Project Cost	Rs. 87.84 Crores
Employment	26 Persons

3. Observation and Recommendation

EAC deliberated the proposal for Term of Reference (ToR) of Proposed Naubasta-Kolard Part-B (Helaundha) Limestone Block (Area 252.256 Ha) with Limestone Production Capacity: 0.402 Million TPA, Top Soil: 0.004 Million TPA and Waste: 0.168 Million TPA (Total Excavation: 0.574 Million TPA) located at Villages: Helaundha, Mahkona, Vasudha & Sapti Mafi, Taluka: Nagod, District: Satna, State: Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd. The instant ML area is near to the PP's Naubasta Kolard Part A (Padriya_Rajarwara_Khamhariya Kala) Limestone

Block (Area: 569.286 Ha). Both the projects were appraised by the EAC in the meeting held on 26-27th Feb, 2026.

The proposed project activity is listed at Schedule 1(a) – Mining of Minerals under Category 'A' (Non-Coal Mining) of the EIA Notification, 2006.

The Project Proponent (PP) and the consultant, presented the KML file and highlighted the key site features. PP mentioned that ML area is located at Helaundha, Mahkona, Vasudha & Sapti Mafi Villages.

PP stated that letter of Intent for grant of ML over an area of 252.256 ha has been issued by Directorate of Mines & Geology, Mineral Resource Department, Govt. of Madhya Pradesh vide letter dated 07.05.2025 and it is valid till 06.05.2028. Total area of Limestone Block is 252.256 ha as per LOI and DGPS Survey. As per the Record of Rights of Revenue Department (ROR) of the said Block, Block area is 252.256 ha; out of the which 243.766 ha is Private land and 8.49 ha is Govt. land.

PP reported that habitation of village Helaundha is located in southern part of the block in restricted area and adjacent to the block boundary and at 50 m distance from the Ultimate Pit Limit towards SE direction. PP also reported that the habitation of Village Sapti Mafi is located at a distance of 0.9 km in the NE direction, and habitation of Village Vasudha is about 1.0 km from the Mining Lease (ML) and 1.2 km from the Ultimate Pit Limit (UPL) in the NNW direction.

EAC noted the submission of PP and asked to explain about the restricted areas within ML area. PP submitted that the granted Block of 252.256 ha as per LOI comprises of Mineralized Area – 218.962 ha and Ancillary Area (Non-Mineralized area) – 33.294 ha. Based on the revenue record, 45.345 ha (40.954 ha +4.391 ha) is Restricted Area comprising of various surface features such as existing pit, Road, Habitation, Nala etc. and its safety buffer. Further, vide email dated 27.02.2026, PP submitted the Khasra Map/DGPS Survey showing the restricted area of the proposed mine block is along with Lol.

PP mentioned that a village road is passing through restricted area of block connecting habitation of Village Helaundha located in South to habitation of Village Vasudha and Umrahat located in NW & in North direction respectively of the block. Two High tension Power lines are passing through the lease area in Eastern and middle Part of the block. A dairy is also located in western part of block in restricted area. A pond is located in SE direction of the mine block in restricted area. PP committed that all features will not be disturbed at any stage of mining and adequate safety barrier has been left along or around the features. Although, during mining operations, if existing approach to any such area is disturbed due to bench formation or other mining activities, an alternate approach shall be provided within the Block area as and when required.

PP reported that the National Highway NH-39 (formerly NH-75) is located at a distance of 3.0 km in SSE direction of the mining lease (ML) area, and NH-943 located at a distance of 7.5 Km in SW direction from ML area.

PP further reported that nearest town is Nagod, is located at a distance of 7.0 km in the SW direction from ML area. PP also stated that GPS Helaudha Chota Tola is located at distance of 30 m in south east direction from the ML area and at distance of 135 m in south east direction from UPL.

EAC noted the submission of the PP and stated that no blasting is allowed within 500 m distance from the habitation/dairy without special permission from DGMS. Accordingly, EAC advised PP to explore shifting of habitation/dairy present within 500 m distance from the UPL. EAC also advised PP to submit an action plan for protection of nearby villages from adverse impact of mining operations particularly, air pollution, fly rocks, blasting and ground vibrations etc.

PP reported that there are no national parks, Wildlife Sanctuaries, Biosphere Reserves, or Eco-Sensitive Zones within a 10 km radius of the Mine Lease.

PP also mentioned that Satna River is located at a distance of 2 Km in North-East direction from the ML area and Amran River is located at a distance of 2 Km in North-East direction from the ML area. Samda Jhil is located at a distance of 3.5 km in NNE direction. Seasonal Nalla Magraila Nalla, Tarkalla Nalla, Bara Nalla, Chaura Nalla, Chhachhla Nalla, Choti Jharsi Nalla, Shyamnagar Nalla, Surhain Nalla, Chhuiya Nalla & Nandaha Nalla are located within a distance of ~0.5 km to ~9.5 km in southern direction from the ML area.

EAC noted the submission of PP and was of the opinion that Project Proponent (PP) should consult with the State Water Resource Department and the State Pollution Control Board (SPCB) to develop and submit a comprehensive protection plan for protection of river/jhil /nallahs. This plan must focus on the protection and preservation of water bodies and rivers that are located adjacent to the periphery of the lease area. EAC also advised PP to submit HFL data of Satna river from State Water Resource Department/Irrigation department and no mining shall be allowed within the HFL of Satna River.

PP stated that Barethiya Railway Station, located at a distance of 2.8 km in the SE direction and it is under construction. EAC reviewed the submission of PP and stated that PP should consult Railway department to formulate a SOP for safe mining and to ensure that mining activities doesn't impede the functioning of the railway station and there is no adverse impact on rail infrastructure and passengers. Necessary measures may be formulated in consultation with the Railway Department to mitigate the adverse impact of mining operations and protective measures such as metallic wind screens, plantation, and fog cannons should be installed to ensure the

safety of the Railway lines, station and passengers which should be in conformity with CPCB guidelines in this regard.

PP reported the Mining Plan, including the Progressive Mine Closure Plan, has been approved by the Indian Bureau of Mines Jabalpur vide letter dated 14.11.2025, covering a mining lease area of 252.256 ha and valid for five years. PP submitted that the mining operations are fully mechanized opencast method. Drilling will be carried out with the help of self-propelled hydraulic drill with top hammer drill machine having 115mm diameter equipped with arrangement for wet drilling, dust collectors and sample collection. Controlled blasting will be carried out. No secondary blasting is proposed. Rock breaker will be deployed for breaking the oversized boulders. To control the ground vibration as well as fly rock only 100% Non-Electric (NONEL) detonators will be used. PP stated that as per Approved Mining Plan, ground water table is at 285m AMSL and depth of working is 292m AMSL during plan period, therefore, no intersection of ground water is anticipated during plan period. However, water table will be intersected during course of mining for which necessary permission will be obtained from the concerned authority.

PP reported that both the proposed limestone Blocks Naubasta Kolard Part A and Naubasta Kolard Part B are nearby, infrastructure will be common including Crusher, Workshop and Mines office.

PP mentioned that a 1400 TPH crusher will be installed in mine block of Naubasta Kolard Part A for crushing in North-West boundary. EAC asked PP to submit a timebound action plan for development of greenbelt around three sides of the crusher. EAC also advised PP to take necessary mitigative measures to arrest fugitive dust emission and follow CPCB guidelines.

With regard to transportation, excavated limestone will be transported to the Crusher (1400 TPH capacity) proposed to be installed in another block in the vicinity i.e., Naubasta Kolard Part A (Padriya_Rajarwara_Khamhariya Kala) Limestone Block. Further, crushed limestone will be transported to Company's Cement Plant and will also be sold to prospective end users through dumpers by road.

PP stated that loading will be done by Hydraulic Excavators and transport of mineral will be done by 35 T tippers up to crusher (A 1400 TPH capacity of crusher will be installed in Naubasta Kolard Part A Limestone Block). As this is auctioned block and merchant mine, hence, crushed limestone mined out from this proposed block will be used in Company's Cement Plant which will be proposed at close proximity of the mine block. Till then Limestone will be used in Company's Jamuna Cement Plant which is located at approx. 40.0 km distance from the mine block by covered tippers via road for which approx. For the proposed Jamuna Cement Plant approx 80% land has been acquired and proposal is under ToR stage. Limestone will also be will also be sold to prospective end users nearby through covered tippers via road. Number of trips per hour will be 12 (to & fro) (1 shifts @ 7 working hrs). At Peak stage, the limestone production per day 1608 tonnes. Total trips of 35 tonnes capacity of dumper

required for transport of 1608 tonnes limestone (in a day) will be 92 (to & fro) and the number of trips per hour will be 14 (to & fro) (1 shifts @ 7 working hrs).

The project's total water requirement is estimated to be 75 KLD. PP reported that at present water shall be initially sourced from the ground water and then from the rainwater harvested in the mine sump as & when developed. EAC noted the submission of PP and asked to plan construction of water reservoir or pond within the ML area to reduce dependence on ground water.

With regard to greenbelt development in the ML area, PP informed that at conceptual stage, 64.08 ha area is to be backfilled and later on same will be rehabilitated by plantation & re-grassing. Plantation will also be developed on virgin land including greenbelt along the 7.5m block periphery covering an area of 20 ha. Plantation will be developed under utility services covering an area of 0.4414 ha. Thus, total area to be covered under the greenbelt/ plantation is 85.5214 ha. About 171043 nos of saplings will be planted covering an area of 85.5214 ha. Local and fruit bearing species viz. Neem, Peepal, Khair, Haldu, Bel, Amla, Karonda, Mahua, Palash, Teak, Siris, Tendu, Bamboo, Banyan, Behada etc. will be planted in consultation with local forest officer and as per CPCB guidelines. The company will try to maintain the survival rate more than 90%. Total estimated budget for the Greenbelt/Plantation is Rs. 4.276 Crore. Further vide email dated 27.02.2026, PP submitted that at conceptual stage, 85.5214 ha area was to be developed under greenbelt/plantation with 1,71,043 nos. of saplings @ 2000 saplings/ha as per earlier submission. In compliance with the suggestion of the Hon'ble Committee, the plantation density has now been enhanced from 2,000 to 2,500 saplings per hectare. Accordingly, based on the revised density, the total number of saplings to be planted will increase from 1,71,043 to 2,13,804. Miyawaki plantation technique will also be implemented to the extent possible.

Regarding Rehabilitation & Resettlemen (R&R) (full form), PP submitted that total block area is 252.256 ha, out of which 8.49 ha is Govt. land and 243.766 ha is Private land. The mine block falling in 04 Revenue Villages i.e., Helaundha, Mahkona, Vasudha & Sapti Mafi. There is Habitation of Village Helaundha falling in southern part of the block in restricted area and adjacent to the block boundary and is at 50 m distance from the Ultimate Pit Limit towards SE direction. but the Habitations and the safety barrier has been demarcated as Restricted area in the Letter of Intent (LOI) issued by State Government. Hence doesn't require R&R. Private Land will be purchased. It is proposed that entire land within the ML area shall not be acquired in one go. Land purchase shall be done in phases as per the requirement for mining purpose. This is proposed in order to ensure minimal disturbance of the land & associated people. As per DCBL policy, following options will be adopted for purchase of private land for ensuring sustainable mining and livelihood of land owners. It depends entirely on the land owners to opt for the below mentioned options:

Option 1: Acquire land falling in the mining lease area through provisions of LARR Act, 2013 and rules made thereunder.

Option 2: Direct Purchase Mode

It is proposed to purchase the private agriculture directly through mutual agreement with the land holders at negotiated rates and terms and conditions. Basis of Land Compensation will be in line of the RFCTARR Act 2013 (Right to Fair Compensation, Transparency in land Acquisition and Rehabilitation & Resettlement) or similar acts of Govt. of Madhya Pradesh under LARR. Options may also be evaluated to obtain land on lease/rental directly from the land owners at mutually agreed terms & conditions.

Option 3: Securing land by payment of the annual surface compensation under the provision of Sec. 24 of the MMDR Act, 1957 and Rule 51 of The MCR Rules, 2016. EAC noted the submission of PP and advised to provide ample opportunities in the form of jobs and skill development for nearby villagers specially the land losers.

With regard to some visible mined out areas as observed during the presentation within the ML area, PP submitted a letter from State DMG dated 26.02.2026 stating that no mining activity has been done by the Dalmia Cement (Bharat) Ltd in the ML area.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 1th EAC meeting held on 26th -27th February, 2026, under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal for Term of Reference (ToR) of Proposed Naubasta-Kolard Part-B (Helaundha) Limestone Block (Area 252.256 Ha) with Limestone Production Capacity: 0.402 Million TPA, Top Soil: 0.004 Million TPA and Waste: 0.168 Million TPA (Total Excavation: 0.574 Million TPA) located at Villages: Helaundha, Mahkona, Vasudha & Sapti Mafi, Taluka: Nagod, District: Satna, State: Madhya Pradesh of M/s Dalmia Cement (Bharat) Ltd. subject to the following specific conditions in addition to the existing standard condition applicable for Non-coal mining projects:-

- i. No blasting shall be allowed within 500 m distance from the habitation/dairy without special permission from DGMS. Accordingly, PP needs to prepare a protection plan for safeguarding the habitation from any adverse effects of mining by including provision of greenbelt development and installation of metallic windscreens near the habitations.
- ii. PP should plan to ensure that no untreated water is discharged from the mine site to any of the natural water bodies and submit a detailed plan thereof.
- iii. Project Proponent (PP) shall engage with the State Water Resource Department/irrigation deptt. and the State Pollution Control Board (SPCB) to develop and submit a comprehensive action plan. This plan must focus on the protection and preservation of water bodies and rivers that are located within and adjacent to the periphery of the lease area.
- iv. PP needs to submit HFL data of Satna and Amaran river from Water Resource Department/Irrigation department.

- v. PP needs to submit an action plan to undertake plantation, installation of metallic wind shields and appropriate fog cannons to protect the villagers from adverse impact of mining, including dust and flyrocks.
- vi. PP should consult Railway department and obtain an NOC from them. PP in consultation with railway department shall formulate a SOP for mining activities to ensure that mining activities doesn't impede the functioning of the railway station. Necessary measures may be formulated in consultation with the Railway Department to mitigate the adverse impact of mining operations and protective measures such as metallic wind screens, plantation, and fog cannons should be installed to ensure the safety of the Railway lines, station and passengers which would also be in conformity with CPCB guidelines.
- vii. PP needs to take permission from CGWA for ground water withdrawal and abstraction.
- viii. PP needs to submit a timebound action plan for development of greenbelt around three sides of the crusher.
- ix. PP needs to avoid transportation through village road and also to carry out the carrying capacity of the proposed transportation route to cement plant and prospective buyers. PP shall also submit a list of their prospective buyers along with transportation routes.
- x. Project proponent needs to submit the detailed scientific plan for constructing the retaining wall, Check dams, drains and other structures so that there is no flow of dump/ore silt outside the lease area. PP should ensure that no untreated water is discharged from the mine site to any of the natural water bodies and submit a detailed plan thereof.
- xi. PP should submit a detailed plan for rain water harvesting structure with year wise target for reduction in consumption of the ground/surface water by developing alternative source of water through rain water harvesting measures.
- xii. The Project proponent needs to submit a detailed plan showing more use of renewable energy in the project
- xiii. The Project Proponent needs to submit the scientific study on flora and fauna and also to highlight on the endangered species. The Project Proponent needs to submit the authenticated list as per the latest Wildlife Protection Amendment Act, 2022 and shall accordingly prepare a Wildlife Conservation Plan as per the Wildlife Protection Amendment Act, 2022. PP needs to submit the proof of submission of Wildlife Conservation Plan to State Forest Department.

- xiv. The Project Proponent needs to monitor the ambient air quality and noise level at the mine lease boundary, nearest village, crusher, predominant downwind direction and at other sensitive receptors. Accordingly, Project Proponent shall propose to install Continuous Ambient Air Quality Monitoring Stations within certain timeline.
- xv. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation by assessing air pollution, noise level and ground vibration.
- xvi. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years. The Project proponent shall ensure that the activities proposed under the public hearing shall be different from the CSR activities. PP needs to submit a tangible and monitorable action plan for meeting the public hearing commitments.
- xvii. The Project Proponent needs to undertake the enumeration of the tree species within the mine lease area before cutting. The Project Proponent also needs to submit the compensatory afforestation plan for the number of trees to be cut in the mine lease area and also to explore the possibility of tree transplantation.
- xviii. The Project Proponent needs to submit the action plan for undertaking the plantation along the 7.5m barrier, safety zone of tar road/cart tracks, electric line etc., PP should also submit the details of numbers of saplings to be planted (2500/ha), type of saplings proposed and the area to be covered under greenbelt/plantation along with the timeline and budget. The greenbelt/plantation plan shall be prepared in such a way that the ecology of the area shall be restored. PP should plan for Miyawaki plantation technique in atleast 20 % of the overall plantation.
- xix. The Project Proponent shall carry out the assessment of impact due to the proposed project as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xx. The project proponent shall conduct hydrological study for projects involving intersection of ground water table as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.

- xxi. The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology up gradation, etc. The efforts shall be delineated in the EIA/EMP.
- xxii. The Project Proponent shall prepare the scheme for mandatory recycle/re-use of water as specified by the Central Ground Water Authority for different category areas.
- xxiii. The Project Proponent needs to submit the plan for Socio economic development of the neighbourhoods' habitats based on the need-based survey along with the time bound action plan in consultation with the local people. Inclusive development with initiatives focused on employment generation, educational support, healthcare facilities for the local communities be planned.
- xxiv. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.
- xxv. The Project Proponent shall provide the details of Special Pollution Control/ Abatement devices that have been installed/ proposed to be installed within the ML area and how does the technology compare with the best available technology in the field.
- xxvi. PP should ensure that all the documents including the approved Mining plan and EIA /EMP should be in consonance with each other.
- xxvii. The Project Proponent should submit an action plan to construct water reservoirs within the mine lease area so that reliance on outside water/ground water is lessened/ eliminated.
- xxviii. The Project Proponent needs to prepare the installation plan for permanent fixed water sprinkling system along the Haul roads. Installation of fog canons at necessary locations in the project should also be planned and submitted.
- xxix. The Project Proponent needs to prepare plan to develop the treatment facility for wastewater within the ML area. PP needs to submit an action plan for installation/ maintenance of ETP and Oil & Grease trap within the ML Area.
- xxx. The Project Proponent needs to submit employment-based skill development plan for the local people, and thrust should be to provide employment to local people after imparting training.
- xxxi. PP needs to project & submit yearwise back filling plan.

- xxxii. PP shall ensure compliance of MoEFCC O.M. dated 14.01.2025 regarding streamlining the implementation of GSR 702 and GSR 703 dated 12.11.2024
- xxxiii. PP need to assess impact on nearby villages, traffic, and state highway due to mining operations including blasting and transportation. Necessary consultation/ permissions from DGMS may be taken in this regard. PP needs to take mitigation measures including for dust suppression, traffic management, noise reduction, and health safeguards based on public hearing/ stakeholder consultations.
- xxxiv. PP is required to conduct a cumulative impact assessment including the adjacent mines. This assessment should encompass key factors, including water requirements, air, water, noise pollution levels, power consumption, transportation logistics, waste management practices, and the combined emissions load from projects effects on flora & fauna, etc. EMP should be prepared accordingly.
- xxxv. Project proponent needs to submit the detailed scientific plan for constructing the retaining wall/other structures so that there is no flow of dump/ore silt outside the lease area. Catch drains, Siltation ponds, gabions structures, check dams, etc. shall be planned accordingly and submitted with locations, drawing/ layouts.
- xxxvi. The Project Proponent shall monitor the water quality in the impact zone such as water reservoir, river water with specific reference to the parameter Langelier Saturation Index which will denote the impact of calcium carbonates on water bodies and these parameters and determine the tendency of water to form calcium carbonate scaling.
- xxxvii. PP needs to submit an action plan as per OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign “EK Ped Ma ke Naam” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal (<https://merilife.nic.in>).
- xxxviii. PP shall endeavour to consult the habitants of the villages in the lease area and prepare an action plan so that the villagers can be shifted to other places, if they wish so.

1.3 Brishyrnot Limestone Deposit-II with total excavation of 3.58 MTPA (3.0MTPA of Limestone, 0.2 MTPA of Shale, 0.38 MTPA of Waste/OB including Soil in the ML area of 65 ha by M/s Star Cement Meghalaya Limited located at

Village Brishyrnot, Tehsil Khliehriat, District East Jaintia Hills, Meghalaya – For Environmental Clearance reg.

[Online Proposal No. IA/ML/MIN/501547/ 2024, File No. IA-J11015/17/2019-IA-II (NCM), EIA Consultant - M/s Perfect Enviro Solutions Pvt. Ltd.]

The instant proposal is for Brihsyrnot Limestone Deposit-II with total excavation of 3.58 MTPA (3.0 MTOA of Limestone, 0.2 MTPA of Shale, 0.38 MTPA of Waste/OB including Soil in the ML area of 65 ha by M/s Star Cement Meghalaya Limited located at village Brishyrnot, Tehsil Khliehriat, District East Jaintia Hills, Meghalaya.

2. The details of the project as per submission of PP is given as under: -
i. Project details:

Name of the Proposal	"Brishyrnot Limestone Deposit-II" with proposed maximum production capacity of 3.2 MTPA (3.0 MTPA limestone & 0.2 MTPA shale) by Star Cement Meghalaya Limited.	
Location	Village	Brishyrnot
	Tehsil/Taluka	Khliehriat
	District	East Jaintia Hills
	State / UT	Meghalaya
	Latitudes	25°09'51.010" N to 25°10' 18.600" N
	Longitudes	92° 25' 09.717 " E to 92° 25' 55.894" E
	Sol Topo sheet No.	83C/8 (Restricted)
Company's Name	Star Cement Meghalaya Limited	
Accredited Consultant and certificate no. and validity	Perfect Enviro Solutions Pvt Ltd. NABET/EIA/2225/RA 0284 (Rev. 01) & it valid upto 26 nov 2025	
KML file	Attached	
Seismic zone	VI	

ii. Category details:

Category of the project	B (General Condition applicable)
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Schedule No.	1(a)
Mining lease Area (MLA) (in ha.)	65
General Condition (if any)	Yes, Narpuh Wildlife Sanctuary boundary is at 1342 m SE direction and it's ESZ boundary is at 25.29 m SE to the project site.

iii. ToR/EC Details:

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
30/12/2023	IA/ML/MIN/456863/2023 (SW/156197/2023)	31/01/2024	File No: IA-J-11015/17/2019-IA-II(NCM) & (TOR identification No. TO23B0000ML5660865N)	18.06.2024

iv. Details of Mine Lease in chronological manner:

S.No	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Prospecting License- MG.8/2023/36	granted on 12/04/2023/and executed on 08/05/2023	Limestone & Shale (Major)	3 years	Mining & Geology Department, Government of Meghalaya	65 ha.
2	Letter of Intent/authorization order- MG.8/2023/376	22.09.2023	Limestone & Shale (Major)	3 years	Mining & Geology Department, Government of	65 ha.

					Meghalaya	
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S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1.	Original Lease deed	02.05.2024	01.05.2074	Limestone & Shale	65 ha.

v. Land Use/Land Cover of the Mine Lease Area:

Private land	65 ha.
Government land	Nil
Forest land	Nil
Total Mining lease area (MLA), ha	65 ha.
Private land for crusher, workshop & other infrastructure outside the MLA	NA
Additional information (if any)	NA

vi. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	MCDR-MPCP0CaFI/11/2023-GUH-IBM_RO_GUH
	Date	05.02.2024
	Mineral (Major/Minor)	Major
	Mine Lease Area, Ha	65
	Validity	5 years from the date of execution of mining lease
Additional information (if any)	NA	
Mining Parameters	Quantitative Description	

Method of Mining	Opencast mechanized mining using HEMM
Drilling/Blasting	Deep hole drilling & blasting.
Geological Reserves	116.75 million tons of Limestone and 0.67 million tons of shale
Mineable Reserves	87.54 million tons of Limestone and 0.53 million tons of shale
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/Waste, MTPA)	3.53 MTPA (including 3.0 MTPA of limestone, 0.2 MTPA of shale, 0.33 MTPA of waste/overburden including soil).
Life of mine	The life of mine is estimated at about 30 years considering the mineable reserves based on present exploration.
Mine Bench Height & Bench Width	The height of the bench will be 9 m and the maximum working width of the benches in minerals will be 24 m for safe operation of mining machinery.
No. of Mine Benches	22
Existing Depth, m bgl	NA, as it is a green field project
Ultimate Depth of Mining, m RL	97
Ground Water Table, m RL	55
Details of ground water intersection	Water table will not be intersected as it is at 55 mRL and mining will be done up to 97 mRL.
Individual bench slope	85° from horizontal
Overall pit slope	<45°
Details of existing/proposed Crusher	No new crushing and screening plant is proposed in the mine. The limestone and shale from the proposed mine will be supplied to the existing crusher located at 1.8 km distance from the mining lease via 25 Tons dumpers/tippers through private road & from there crushed material will be transported via belt conveyor (1.5 km) to the cement plant.
Mineral Beneficiation	NA
RoM output size	-1000 mm

Transportation details including capacity of dumper/tipper, mode of transport and distance	The material after blasting will be loaded by hydraulic excavators of about 2.6 m ³ bucket capacity into tippers of 25 tons carrying capacity for its transportation to crusher and waste dump yards. Thereafter, the crushed material will be transported through belt conveyor to the cement plant.
Generation of Topsoil/OB & its Management during plan period & conceptual period	Max. 332547.288 TPA of waste/OB including soil will be generated. About 3.57 million tons of waste/OB including soil will be generated upto the life of mine. Waste will be stacked separately in the temporary dump. The entire waste will be used in the cement plant as blending material after taking the permission from the government and Soil will be used for plantation.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	There will be no rejection from the mine.
Additional information(if any)	NA

vii. Water requirement

Total water requirement	45 KLD	Fresh water	05 KLD
		Sewage treated water from cement plant.	40 KLD
Source	Total water requirement for the proposed mine will be around 45 KLD which will be sourced through water tankers from the company's cement plant.		
Permission for withdrawal/ intersection along with details of grant and its validity	Vide Letter No. AID (J) 223 / 2008-09/971 dated 16th June 2009.		
Additional information(if any)	Total water requirement for the proposed mine will be around 45 KLD, out of which 40 KLD will be STP treated water and 5 KLD will be fresh water for domestic purposes.		

viii.. Nearest village / town/ highway/railway station / water bodies

Particulars	Particular's Name	Distance & Directions
Village	Brishyrnot	0.16 Km South
Town	Khliehriat	21.20 Km N
Highway	NH-6	2.53 km WNW
Interstate Boundary	• Meghalaya-Assam State Boundary	8.15 km SE
	• India-Bangladesh International Boundary	12.50 Km SW
Railway station	Hilara railway station	70 km (by road)
Water bodies	Um lunar	0.07 Km East
	Lukha River	1.23 Km SE
	Lubha River	1.23 Km SE
	Um Talang	3.60 km SW
	Um Sangat	4.46 Km N
	Um Ronsong	4.48 Km ESE
	Um Badoh	5.74 Km WNW
	Dongtangle Nala	6.13 Km N
	Kukha Nala	6.57 Km NNW
	Pongkolo Nadi	7.07 Km ESE
	Apha Nala	7.72 Km SSE
	Thangpyrshaid Nala	7.81 Km NW
	Khunngoi Nala	8.46 Km ESE
	Sakha Nala	8.61 Km NW
	Singlei River	8.98 Km ESE
Raphingdung Nala	9.33 Km NE	
Lunthangtang Nala	9.86 Km SSE	
Wah Thaniang Nala	9.93 Km NNW	
Forest	Narpuh Reserve Forest Block I	8.82 km SW

ix. . Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest land within the mine lease area and (if yes) status of Forest Clearance	No	PP submitted no forest land certificated dated 30.03.2023 issued by Office of the PCCF (HoFF) Meghalaya
National Park	No	Not Applicable
Wildlife Sanctuary	Yes	PP submitted a distance certificate dated 01.03.2024 from DFO Jaintia Hills Wildlife Division Jowai confirming that the proposed project is outside the boundary of notified Eco Sensitive Zone (ESZ) of Narpuh Wildlife Sanctuary and Narpuh Wildlife Sanctuary is located at a distance of 1342 m SE,
Elephant/Tiger Reserve	No	Not Applicable
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA)	Yes	Narpuh Wildlife Sanctuary ESZ -25.29 m SE. PP submitted a distance certificate dated 01.03.2024 from DFO Jaintia Hills Wildlife Division Jowai confirming that the proposed project is outside the boundary of notified Eco Sensitive Zone (ESZ) of Narpuh Wildlife Sanctuary stating that Narpuh Wildlife Sanctuary ESZ is located at a distance of 25.29 m SE direction.
Coastal Regulation Zone (CRZ)	No	Not Applicable

<p>Schedule-I species (No.s and name of schedule-I species with authenticated letter)</p>	<p>Yes</p>	<p>There are 14 Schedule I Species found in the buffer zone are given below:</p> <p>Hog Badger (<i>Arctonyx collaris</i>), Golden Jackal (<i>Canis aureus</i>), Red Serow (<i>Capricornis rubidus</i>), Leopard Cat (<i>Felis bengalensis</i>), Domestic Cat (<i>Felis catus</i>), Indian Grey Mongoose (<i>Herpestes edwardsii</i>), Hoolock Gibbon (<i>Hoolock hoolock</i>), Himalayan Crestless Porcupine (<i>Hystrix brachyura</i>), Pangolin (<i>Manis pentadactyla</i>), Slow Loris (<i>Nycticebus bengalensis</i>), Indian Python (<i>Python molurus</i>), Indian Cobra (<i>Naja naja</i>), Great Pied Hornbill (<i>Buceros bicornis</i>), Himalayan Vulture or Himalayan Griffon Vulture (<i>Gyps himalayensis</i>).</p> <p>The authenticated list of flora & fauna has been obtained from DFO, Jaintia Hills Wildlife Division, Jowai vide letter MWL/JH/299/Mining Plan/2023-24/882 dated 5th November,2024.</p>
<p>Wildlife Conservation Plan</p>	<p>Yes</p>	<p>The Chief Wildlife warden had a meeting with Industries and Government departments for preparation of Regional Conservation plan for the East Jaintia Hills district under the supervision and guidance of CWLW, Meghalaya and the cost for preparation and implementation of the Regional Conservation Plan may be shared by various project proponents on a proportionate basis keeping in view the likely impacts of each project on the wild life and their habitat. We also confirmed that we shall be part of the regional conservation plan and will pay the fee as determined for our project.</p>

x. Green belt/plantation details:

<p>Proposed area for green belt/plantation</p>	<p>At the end of life of mine, out of the total 65 ha area, 61.93 ha mined out benches will be reclaimed by plantation/grassification, 2.71 ha. along the 7.5 m wide peripheral boundary and 0.36 ha undisturbed area will be developed to green belt.</p>
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Budget for green plant & plantation till the end of life of mine.	Rs 338.87 lakhs, Total plantation will be done in 65 ha. & 1,12,956 saplings will be planted till the conceptual period.
Budget for nursery	NA
Details of existing plantation and its survival rate	NA as it is greenfield project
No. of tree cuts in the mine lease area and compensatory afforestation	150 trees will be cut in the mine lease. Total about 1,12,956 saplings will be planted till the conceptual period.
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	2.71 Ha
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/others)	
Period of baseline data collection	March to May 2023
Season (Summer / Pre-monsoon / Post- monsoon / Winter)	Summer Season
Predominant Wind direction (From)	From South West

<p>Ambient Air Quality (no. of locations) and results</p>	<p>No. of locations- 06</p> <p>Results- Core zone : The mean value of PM10 ranges from (59.27- 61.11 µg/m³) & PM2.5 ranges from (26.51-27.33 µg/m³), SO₂ ranges from (5.28-5.44 µg/m³), NO₂ ranges from (14.82 -15.28 µg/m³) & CO ranges from (0.26-0.27 mg/m³) which are within the limits of National Ambient Air Quality Standards (NAAQS).</p> <p>As per the Air Quality Index by CPCB, the air quality of the core zone is found Satisfactory in the Summer season.</p> <p>Buffer zone: The mean value of PM10 ranges from (64.77- 75.53 µg/m³), PM2.5 ranges from (28.97-34.17 µg/m³), SO₂ ranges from (5.77-7.19 µg/m³), NO₂ ranges from (16.19- 19.24 µg/m³) & CO ranges from (0.29-0.34 mg/m³) which are within the limits of NAAQS. As per the Air Quality Index by CPCB the air quality of the buffer zone is found to be Satisfactory during the sampling campaign.</p> <p>Thus, it can be concluded from the above results that all the parameters are within the range of the NAAQS and as per AQI by CPCB the buffer zone falls in the Satisfactory range.</p>
<p>Noise level (no. of locations) and results</p>	<p>No. of locations- 08</p> <p>Results- Core Zone (Industrial Area): N1 & N2: The ambient noise level during day time at the proposed project site varies from 52.60 dB (A) to 53.20 dB (A) which are within the standard limit of Industrial area ~ 75 dB (A). During night the noise level at the project site ranges from 44.40 dB (A) to 45.10 dB (A) which are within than the standard limit of Industrial area 70 dB (A).</p> <p>Buffer Zone: Residential Area: N4, N5, N7 & N8:- The ambient noise level during day time at the proposed project site varies from 52.10 dB (A) -54.60 dB (A) which are within the standard limit of Residential area ~55 dB (A). During night the noise level at the project site ranges from 43.90 dB (A) to 47.20 dB (A) which is slightly higher noise level compared to the standard limit of Residential area 45 dB (A). It may be regarded as the residential and other local activities occurring within the village.</p> <p>Commercial Area: N3 & N6: The ambient noise level in commercial area i.e. Approach Road & NH-6 is 53.40 dB (A) to 62.80 dB (A) during day time which is within the standard limit of commercial area of ~ 65 dB (A) and 44.80 dB (A) to 57.90 dB (A) during night time which is slightly higher noise</p>

	<p>level compared to the standard limit of commercial area ~ 55 dB (A).</p>
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<p>Water Quality (no. of locations) and results</p>	<p>No. of GW locations- 07</p> <p>No. of SW locations- 04</p> <p>Results of Groundwater-</p> <ul style="list-style-type: none"> ❖ The Total Hardness of the sampling locations range from 18 mg/l to 70 mg/l. Total Hardness of all sampling locations are found within the drinking water standards (IS:10500) i.e. 200 mg/l. ❖ The Alkalinity of all sampling locations are within the drinking water standards (IS:10500) i.e. 200 mg/l which range from 22 mg/l to 52 mg/l. ❖ The Calcium of the sampling locations range from 5.4 mg/l to 26 mg/l. The Calcium Concentration is within the drinking water standards (IS:10500) i.e. 75 mg/l. ❖ The Magnesium Concentration in the sampling locations range from 0.48 mg/l to 7.2 mg/l. Magnesium levels are found within the drinking water standards (IS:10500) i.e. 30 mg/l. ❖ The Total dissolved Solids range from 68 mg/l to 182 mg/l. Total Dissolved Solids of all sampling locations are found within the drinking water standard (IS:10500) i.e. 500 mg/l. ❖ The Chloride Concentration of all the sampling locations range from 6.80 mg/l to 42 mg/l. Chloride levels of all the sampling locations are within the drinking water standards (IS:10500) i.e. 250 mg/l. <p>Results of Surface Water-</p> <p>Surface water samples were derived from 4 locations in different surface water bodies within study area, analysis results of the same revealed that pH values amongst all samples varied in the range of 7.33 to 7.70, Total Hardness concentration varied in the range of 92 mg/l to 172 mg/l & maximum concentration was recorded at all the sampling location, TDS concentration varied in the range of 162 to 218 mg/l whereas all samples are under permissible limits. Electrical Conductivity was found to be ranging in between 352 to 412 μmho/cm.</p> <ul style="list-style-type: none"> ● The surface water samples falls under class B (Outdoor bathing (Organized), D (i.e. Water is suitable for Propagation of Wildlife and Fisheries) & E (i.e. Irrigation, Industrial Cooling, Controlled Waste Disposal) as per CPCB surface water criteria.
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<p>Soil Quality (no. of locations) and results</p>	<p>No. of locations- 08</p> <p>Results-</p> <p>Core Zone: The samples collected from the core zone sites show that the soil texture Class in the core zone is Clay, Color is 5/3 Dull reddish, pH is 6.87, Amount of primary nutrients like Organic matter is 1.42 %, the available Nitrogen 102.40 mg/kg is low and available Potassium 41.20 mg/kg is low while the available Phosphorus 16.20 mg/kg is in high range. Thus it can be concluded that soil is average fertile in the Core Zone.</p> <p>Buffer Zone: The samples collected from the buffer zone sites show that the soil texture Class in the buffer zone is Clay & Clay Loam, Color is 5/3 Dark Brown, 5/3 Dull reddish Brown, Brown (3/4), pH ranges from 6.90 to 7.70 and Amount of primary nutrients like Organic matter 0.35 to 2.12 %, the available Nitrogen 82.40 mg/kg to 122.60 mg/kg is lower in range, available Potassium 12.20 mg/kg to 40.80 mg/kg is low in range and the available Phosphorus 8.60 mg/kg - 19.10 mg/kg is medium to high in range, Primary nutrient profile shows that soil is average fertile due to the availability of low amount of nitrogen, available potassium.</p>
<p>Hydro geological study and results</p>	<p>Hydro geological study has been done by Hydro-Geosurvey Consultants Private Limited, Jodhpur, as per the study done, In the core zone, the average depth of the ground water table is 55 mRL while the ultimate pit depth is 97 mRL hence mining activities will not intersect ground water table. There are no streams entering the mining lease area from outside sources, eliminating the need for any stream diversions during the mining period. Consequently, the surface water resources are not anticipated to be adversely affected by mining activities.</p> <p>Given that the mine will be constructed on the slope of a hill and well above the groundwater table, there will be no impact on the hydrogeology of the area. To minimize any potential impact on first-order streams, garland drains will be constructed to ensure uninterrupted downstream flow.</p> <p>In conclusion, the proposed mining activities are not expected to affect, disturb, or pollute the water regime in the buffer zone. The lease area is a virgin, hilly terrain that receives high rainfall. Therefore, no NOC is needed from CGWA due to the non-intersection of the groundwater table.</p>

Traffic study (no. of locations) and results	There will be no transportation through any public road. The material will be transported up to the existing crusher of SCML plant located at 1.8 km through the company's private road. From crusher to cement plant transportation will be done through an already installed conveyor belt of 1.5 km.
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xii. Public Hearing (PH) Details

Advertisement for PH with date	Notice was made through an advertisement in a newspaper for a public hearing that was published in the official state language i.e. English in regional paper "The Shillong Times" on 07.09.2024 and National Daily i.e. "The Times of India" on 06.09.2024.
Date of PH	08.10.2024
Venue	At project Site "Brishyrnot Limestone Deposit-II", District- East Jaintia Hills, State- Meghalaya.
Chaired by	Additional Deputy Commissioner
Main issue raised during PH	-Implementation of Environment management, Green belt development, Local recruitment in the high ranking posts of the company. -Danger to wildlife habitats of Narpuh Wildlife Sanctuary and depletion of flora & fauna. -Degradation in water quality of Lubha & Lukha river
Budget proposed for addressing issues raised during PH	A total budget of Rs. 419.9 Lakhs has been allocated to address the issues raised during the Public Hearing.
Additional information (if any)	NA

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
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Consent to Establish	It's a green field project. Hence, CTE will be obtained after getting Environment Clearance.
Consent to Operate	It's a green field project. Hence, CTO will be obtained after getting Environment Clearance.
Certified Compliance Report and Inspection date	NA as it is a greenfield project.
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	NA as it is a greenfield project.

xiv. Rehabilitation & Resettlement:

R & R details	This 65 ha land is owned by Star Cement Meghalaya Limited. There are no residential structures or habitation on this land, therefore Resettlement and Rehabilitation (R&R) is not applicable.
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xv. Court case details:

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted Affidavit dated 19.01.2026

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted Affidavit dated 26.12.2023
Undertaking by Project Proponent in EIA/EMP report	PP submitted an undertaking dated 08.11.2024
Undertaking by Consultant in EIA/EMP report.	PP submitted an undertaking at page no. iii of the EIA/EMP report
Plagiarism Certificate	PP submitted a plagiarism certificated dated 22.11.2024

xvii. EDS/ADS details (If any)

S.No	EDS/ADS Point	Reply by project proponent
PP has submitted point wise reply letter dated 22/12/2025 against the ADS were raised on 04.12.2024		
i.	The PP needs to submit the SEIAA-approved Detailed Study Report (DSR) for shale, as the mining of shale is part of the proposed project.	The DSR Report approved by SEIAA is attached of the ADS reply single file dated 22.12.2025.
ii.	PP needs to submit proof of submission of the Site-Specific Wildlife Conservation Plan to the State Forest Department.	Site Specific Wildlife Conservation Plan has been prepared & submitted to PCCF & CWLW, Meghalaya for approval. Copy of conservation plan along with receiving is attached of the ADS reply single file dated 22.12.2025.
iii.	In addition to the Site-Specific Wildlife Conservation Plan, the PP is required to inform the Ministry about the status of the proposed Regional Conservation Plan being prepared by the State Government of Meghalaya.	<p>We have followed up with the concerned authorities to obtain the status of the proposed Regional Conservation Plan being prepared by the State Government of Meghalaya. Letters were submitted to the PCCF & HoFF, Shillong, Meghalaya vide our communications dated 06.01.2025 and 08.09.2025.</p> <p>Subsequently, a reply has been received from the Chief Conservator of Forests (Wildlife), Shillong, Meghalaya vide letter no. FWC/CLEARANCE/18-Pt-1/3616 dated 13.01.2026, wherein it has been informed that the Regional Conservation Plan is currently under process.</p> <p>A copy of the said communication received from CCF (Wildlife) is attached with the ADS reply single file dated 19.01.2026.</p>

<p>iv.</p>	<p>PP is required to submit an action plan as per the Ministry's Office Memorandum (OM) dated 24.07.2024. This OM mandates that sapling plantation be carried out in the earmarked 33% greenbelt area as part of the "EK Ped Ma ke Naam" tree plantation campaign. The details of the plantation activities should also be uploaded on the MeriLife portal (https://merilife.nic.in)</p>	<p>Action plan, in accordance with the Ministry's Office Memorandum (OM) dated July 24, 2024, "EK Ped Ma ke Naam" tree plantation campaign, is provided in Annexure of the ADS reply single file. However, we will afforest more than 33% area at the end of the conceptual stage of mining.</p> <p>Concerning the uploading of plantation activities on the Merilife portal, earlier, we faced persistent technical issues while attempting to create a login ID. However, we have now successfully created an account on the MeriLife portal to upload and update plantation activities as they are carried out, along with relevant details such as the number of saplings planted and supporting photographs</p>
<p>v.</p>	<p>PP needs to submit the plagiarism certificate for the Environmental Impact Assessment (EIA) and Environmental Management Plan (EMP) report.</p>	<p>Plagiarism Certificate report is attached of the ADS reply single file dated 22.12.2025.</p>
<p>vi.</p>	<p>PP is required to submit a tangible and monitorable action plan detailing how the commitments made during the Public Hearing will be met.</p>	<p>The Tangible and Monitorable action plan of the commitments made during Public Hearing is attached of the ADS reply single file dated 22.12.2025.</p>
<p>vii.</p>	<p>The PP needs to submit a comprehensive Disaster Management Plan that outlines how risks will be mitigated and managed during the project lifecycle.</p>	<p>Revised Disaster Management plan consisting of Onsite emergency plan and Offsite emergency plan is attached of the ADS reply single file dated 22.12.2025.</p>

viii.	The PP must provide a legible copy of the newspaper advertisement for the Public Hearing, both in the regional and national language, to ensure transparency and compliance with the public hearing procedure.	Public Hearing advertisement was published in the official state language i.e. English in regional paper “The Shillong Times” on 07.09.2024 and National Daily i.e. “The Times of India” on 06.09.2024. PH Newspaper advertisement is attached of the ADS reply single file dated 22.12.2025.
ix.	PP needs to submit an action plan with safeguard measures like catch drains, siltation ponds, gabion structures etc. to ensure that natural nallahs, streams located in and around the lease area are not adversely affected.	Action Plan with safeguard measures like catch drains, siltation ponds, gabion structures etc. to ensure that natural nallahs, streams located in and around the lease area are not adversely affected of the ADS reply single file dated 22.12.2025.
x.	The Project Proponent needs to explore construction of a double retaining wall to check sediments flowing out of mining lease.	The double retaining wall has been proposed along the soil dump and OB dump to check sediments flowing out of mining lease. The details and its budget is given in Annexure of the ADS reply single file dated 22.12.2025. Accordingly, the Cost of Environmental Management Plan (EMP) has been revised and attached as Annexure of the ADS reply single file dated 22.12.2025.
PP has submitted point wise reply letter dated 19/01/2026 against the ADS were raised on 26.12.2025		

<p>1.</p>	<p>PP has not submitted the status of the proposed Regional Conservation Plan being prepared by the State Government of Meghalaya. PP needs to follow up and obtain status of the above Regional Conservation plan from the State Forest Department.</p>	<p>We have followed up with the concerned authorities to obtain the status of the proposed Regional Conservation Plan being prepared by the State Government of Meghalaya. Letters were submitted to the PCCF & HoFF, Shillong, Meghalaya vide our communications dated 06.01.2025 and 08.09.2025.</p> <p>Subsequently, a reply has been received from the Chief Conservator of Forests (Wildlife), Shillong, Meghalaya vide letter no. FWC/CLEARANCE/18-Pt-1/3616 dated 13.01.2026, wherein it has been informed that the Regional Conservation Plan is currently under process.</p> <p>A copy of the said communication received from CCF (Wildlife) is attached as Annexure of the ADS reply single file dated 19.01.2026.</p>
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<p>2.</p>	<p>As per DFO letter dated 20.11.2025, schedule I species appears to be submitted as per Wildlife (Protection) Amendment Act, 1972. PP needs to clarify whether PP has submitted the list of schedule I species as per Wildlife (Protection) Amendment Act, 2022.</p>	<p>The list of Schedule-I species has been prepared in accordance with the provisions of the Wildlife (Protection) Amendment Act, 2022. Along with the DFO letter No. MWL/JH/299/Mining Plan/2023-24/018 dated 20.11.2025, a list of species indicating their status under both the Wildlife (Protection) Act, 1972 and the Wildlife (Protection) Amendment Act, 2022 was submitted.</p> <p>However, as per the observation of MoEFCC, we have requested the Divisional Forest Officer (DFO) to issue an updated letter explicitly mentioning compliance with</p> <p>the Wildlife (Protection) Amendment Act, 2022 vide our letter dated 05.01.2026 (A copy of the said letter is attached as Annexure of the ADS reply single file dated 19.01.2026.)</p> <p>Accordingly, the DFO has confirmed that the submitted list of species is prepared as per the Wildlife (Protection) Amendment Act, 2022 and approved the same vide letter No. MWL/JH/299/Mining Plan/2023-24/1157 dated 16.01.2026. A copy of the said letter is attached as Annexure of the ADS reply single file dated 19.01.2026.</p>
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xviii. Details of the Environmental Management Plan (EMP):-.

S.No.	Particulars	Capital Cost (Lakhs)	Annual recurring cost (Lakhs)
1	*Pollution Control (Water Sprinkling, Retaining wall, Check Dams, siltation pond, oil & grease trap and Garland drain)	205.85	8.1
2	Environment Monitoring	160	6.28

3	Public Health and Safety	-	5
4	Green Belt	338.87	5
5	Haul & Approach Road Maintenance	150	10
6	Social Welfare Activity	419.9	-
7	Biological Environment Protection including wire fencing towards the southern & south- eastern side of the mine boundary	20	10
8	Budget for Wildlife Conservation Plan	78	-
	Total	1372.62	44.38

xix. Details of project cost and employment:

Particulars	(Rs. In Lakhs)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	1372.62 (Capital Cost of EMP-952.72 Lakhs + Capital Cost of Public Hearing-419.9 Lakhs)
Project Cost	Capital Cost Rs-3396 lakhs
Employment	94 nos.

3. Observation and Recommendation of the Committee

EAC deliberated the proposal of Environmental Clearance (EC) for the Brishyrnot Limestone Deposit-II project with total excavation of 3.58 MTPA, comprising 3.0 MTPA of limestone, 0.2 MTPA of shale, and 0.38 MTPA of waste/overburden (including soil) within a mine lease (ML) area of 65 hectares, located at Village Brishyrnot, Tehsil Khliehriat, District East Jaintia Hills, Meghalaya of M/s Star Cement Meghalaya Ltd.

The project activity is listed at schedule no. 1(a) Mining of Minerals. The instant proposal attracts the general conditions as Narpuh Wildlife Sanctuary boundary is located at a distance of 1342 m in South Eastern direction and it's ESZ boundary is located at a distance of 25.29 m in Souther eastern direction and owing to the applicability of the aforesaid 'General Condition' the project is being appraised at the Central Level.

PP stated that vide order dated 22.09.2023, Mining & Geology Department, Government of Meghalaya stated that Star Cement Meghalaya Limited, Lumshnong Village, East Jaintia Hills District being the land owner has submitted an application

for authorizing grant of a Mining Lease for Limestone & Shale over an area of 65.00 hectares of land at Brishyrnot Village, Post/PS Lumshnong, East Jaintia Hills District in favour of Star Cement Meghalaya Limited, Lumshnong Village, East Jaintia Hills District under the provisions of Chapter IX of the Minerals (Other than Atomic and Hydro Carbon Energy Minerals) Concession Rules, 2016 and the said area was granted under Prospecting Licence in pursuant of the authorization order No.MG.8/2023/36, dated 12' April 2023 issued by Mining & Geology Department, Government of Meghalaya & Prospecting Licence was executed on 08th May 2023 in between Star Cement Meghalaya Ltd (Grantor) & Star Cement Meghalaya limited (Licensee). Star Cement Meghalaya Limited had carried out prospecting operations & submitted the Geological Report to State Government. Thus provisions of section 5(2)(a) of The Mines & Minerals (Development & Regulation) Act, 1957 have been satisfied that : (2). "No mining lease shall be granted by the State Government unless it is satisfied that- (a) there is evidence to show the existence of mineral contents in the area for which the application for a mining lease has been made in accordance with such parameters as may be prescribed for this purpose by the Central Government Land owner namely Star Cement Meghalaya Limited subsequently submitted application for mining lease on 20-9-2023 along with Geological Report and applied for authorization for grant of Mining Lease under rule 27(1) of Chapter IX of the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 in favour of Star Cement Meghalaya Limited. The State Government on scrutiny of land documents has found that applicant is a bonafides land owner of the land in respect of Mining Lease proposed to be granted. Star Cement Meghalaya Limited to whom the Mining Lease is proposed to be granted has also conducted prospecting operations & already established mineral reserves/resources in the area and submitted the Geological Report. Now therefore, the Government of Meghalaya in exercise of power conferred under sub-rule (3) of Rule 27 of the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016, upon satisfying of the bonafides of the applicant, hereby authorize Star Cement Meghalaya Limited, Lumshnong Village, East Jaintia Hills District being the land owner (hereinafter referred to as "Grantor") to grant Mining Lease in favour of Star Cement Meghalaya Limited, Lumshnong Village, East Jaintia Hills District hereinafter referred to as "Lessee") for Limestone and Shale over an area of 65.00 hectares of land at Brishymnot Village, Post / PS Lumshnong, East Jaintia Hills District, Meghalaya.

PP also stated that they have executed the mining lease on 02.05.2024 and land holding certificate & sale deed has been issued by Jaintia Hills Autonomous District council, Jowai vide holding no. LHC No. 286 of 2008 dated 25.08.2008 & Sale deed No. 87 of 2010.

Thereafter, the Project Proponent (PP) and the Consultant presented the KML file of the mine lease area and explained the key site features. The PP informed the committee that the ML area is situated 1.34 km southeast (SE) of the Narpuh Wildlife Sanctuary and 0.025 km from its Eco-Sensitive Zone (ESZ). PP also submitted that Distance certificate of Narpuh Wildlife Sanctuary & its ESZ boundary has been issued by Divisional Forest Officer (Jaintia Hills Wildlife Division, Jowai) vide letter no. MWL/JH/299/Mining Plan/2022-23/2135 dated 01.03.2024

The Lukha River flows 1.23 km southeast (SE) of the project site, while the nearest stream Um Lunar, is located 0.07 km to the east. Furthermore, the PP stated that two nallahs are present within the lease area. EAC noted the submission of PP

and asked about protection measures for the rivers and nallahs. PP submitted that a ridge within the lease area divides surface runoff into two parts. In the western portion, a garland drain will be constructed to redirect surface runoff from undisturbed areas during the first five years. Similarly, a drain will be built in the eastern section for the same purpose. In the northern part, garland drains with retaining walls will be constructed along both dumps. These drains will pass through the pair of siltation pits for sedimentation. Two dumps will be prepared, one for soil and another for waste. The catchment area of the soil dump is approximately 24,972 sqm. To manage runoff, a pair of siltation ponds will be constructed each having the capacity of 750 cum and together having the capacity of 1500 cum. The catchment area of the waste dump is approximately 22,736 sqm. The estimated volume of surface runoff is approximately 914 cubic meters. To manage this runoff, a pair of siltation ponds will be constructed each having the capacity of 750 cum and together having the capacity of 1500 cum. Seven check dams will be developed. These dams will be strategically placed between Garland drains to prevent channel erosion. Garland drain will be constructed to manage surface runoff, retaining walls will be erected at the base of waste/OB dumps within the first five years of mining operations. PP also mentioned that double retaining wall has been proposed along the soil dump and OB dump to check sediments flowing out of mining lease.

EAC noted the submission of PP and enquired about the quality of water of the Lukha river. PP submitted that pH is on acidic side and local administration is working on restoring the water quality of river. PP stated that in upstream of the river there are many coal mining sites and it may be the reason for water being acidic. EAC noted the submission of PP and asked to ensure that no untreated run off is discharged from the project in the streams. EAC also advised PP to consult State Water Resource Department/irrigation department and SPCB and follow their recommendations to protect the the rivers/streams flowing near and adjacent to the ML area.

The Project Proponent (PP) further informed the EAC that the India-Bangladesh International Boundary is located 12.5 km southwest (SW) of the project site. The PP also presented a No Objection Certificate (NoC) dated 05.04.2024, issued by the Ministry of Defence, in compliance with the directions issued by the Ministry of Defence in their letter dated 08.05.2023.

EAC also noted the dense vegetation is present within the ML area and asked PP to present the drone video of ML area and transportation route. PP presented the drone video and upon reviewing the same EAC observed greenbelt within the ML area. Accordingly, EAC asked PP about the number of trees that will be cut down for the purpose of mining. PP submitted that around 150 trees shall be cut down within ML area.

EAC also asked whether the ML area is a forest land or not. In response PP submitted the letter dated 30.04.2023 from Office of PCCF Meghalaya stating that, *“On careful consideration of the report of the Conservator of Forests (T) vide his letter No. MFG/CF/NFLC/MMMCR/JH/16108, dated 14.02.2023 and communication of the Divisional Forest Officer, Jaintia Hills (T) Division, Jowai vide letter No. JH/SCML/65 ha./2022-23 /A/879, dated 24.01.2023 and your application No. SCML/DFO/MM/65.00 ha/2022-23, dated 03.01.2022 in the matter of issuance of Non-Forest Land Certificate in respect of Ms Star Cement Meghalaya Ltd. applying for prospecting license of limestone mining at Brichyrnot village, Elaka Narpuh, East Jaintia Hills District, the undersigned is directed to convey approval of the Principal Chief Conservator of*

Forests & HoFF, Meghalaya, Shillong for certifying the aforesaid plot of land measuring 65 ha as Non-Forest Land as per definition of forest in Section 3 (10) of Meghalaya Forest Regulation, 1973 as amended vide Meghalaya Forest Regulation (Amendment) Act, 2012. The Non-Forest Land Certificate for the aforesaid plot is strictly confined to the boundary of the plot as contained in the GPS surveyed map enclosed herewith duly countersigned by the Divisional Forest Officer.”

Further, PP submitted that a non-forest land certificate from the PCCF & HoFF, Meghalaya has been issued after detailed inspection & as per the report of the Joint Inspection Committee (JIT).

PP submitted the mining will be opencast mechanized mining with Heavy Earth Moving Machinery (HEMM) and deep hole drilling/blasting. The mining plan has been approved by IBM Guwahati, vide Letter no. MCDR-MPCP0CaFI/11/2023-GUHIBM_RO_GUH vide letter dated 05.02.2024. PP stated that maximum depth of mining shall be 97m RL and water table is around 55 m RL and there will no ground water intersection during the course of mining.

Regarding the proposed transportation route, the EAC inquired about the logistics, to which the PP clarified that no transportation would take place via public roads. Instead, the material will be transported up to an existing crusher and Overland Belt Conveyor (OLBC) located 1.8 km away via a private road. From the crusher to the cement plant, the material will be transported using an already installed conveyor belt that spans 1.5 km. The EAC advised the PP to upgrade the existing private road to a pucca (paved) road to ensure better transportation infrastructure.

Thereafter EAC deliberated the ADS points raised vide minutes of the 36th EAC meeting held on 21-22 November 2024.

On the issue of submission of District Survey Report (DSR) for Shale, PP submitted the SEIAA approved DSR dated 22.12.2025 and its corrigendum dated 24.02.2026 wherein the Brishyrnot Limestone Deposit-II, has been included.

Regarding submission of proof of submission of Site-Specific Wildlife Conservation Plan, PP stated that Site Specific Wildlife Conservation Plan has been submitted to PCCF & CWLW, Meghalaya for approval on 11.12.2025. PP also submitted that Authenticated list of Flora & Fauna received from the DFO, Jaintia Hills Wildlife Division, Jowai vide letter no. MWL/JH/299/Mining Plan/2023-24/1018 dated 20.11.2025. Further, PP stated that Conservation measures for schedule -I species including endangered species are already mentioned in the plan. As suggested by EAC, PP has submitted conservation measures for three endangered species namely *Hoolock hoolock*, *Manis pentadactyla* and *Nycticebus bengalensis*.

Further with regard to status of the proposed Regional Conservation Plan being prepared by the State Government of Meghalaya, PP submitted that they have followed up with the concerned authorities to obtain the status of the proposed Regional Conservation Plan being prepared by the State Government of Meghalaya. Letters were submitted to the PCCF & HoFF, Shillong, Meghalaya vide communications dated 06.01.2025 and 08.09.2025. Subsequently, a reply has been received from the Chief Conservator of Forests (Wildlife), Shillong, Meghalaya vide letter no. FWC/CLEARANCE/18-Pt-1/3616 dated 13.01.2026, wherein it has been informed that the Regional Conservation Plan is currently under process.

EAC reviewed the submission of PP and asked PP to follow up with State Forest Department for implementation of Site Specific Wildlife Conservation Plan. EAC opined that PP should conduct a study on the possible impacts of this mining project on Narpuh wildlife Sanctuary and try to incorporate in the Regional Wildlife Conservation Plan. Proper consultation in this regard should be done by PP with State Forest Department at the earliest. Regular follow up shall also be done by PP with regard to Site Specific Wildlife Conservation Plan/Regional Conservation Plan.

With regard to greenbelt development and Ek Ped Maa Ke Naam, PP submitted that in this mine entire area is mineralized, in view of mineral conservation it would not be appropriate to undertake plantation over mineralized zone, however, 7.5m wide strip along the periphery of mine lease boundary will be afforested during first five years, which is 2.71 ha. In each year 33% of the total yearly plantation will be earmarked under scheme "Ek Ped Maa Ke Naam". From the fifth year onwards, reclamation of mined-out benches will be undertaken progressively as they become available. By the end of the conceptual stage, 21.45 ha (i.e., 33% of the total mining lease area) will be developed under the "Ek Ped Maa Ke Naam" initiative, in compliance with the Ministry's Office Memorandum (OM) dated 24.07.2024. PP reported that about 112956 sapling shall be planted with a cost of Rs 338.87 lakh rupees. EAC noted the submission of PP and advised to ensure 2500/ha of plants with a survival rated of 95% through gap plantation whenever required.

Regarding disaster management, PP submitted a Disaster Management Plan, which include regular safety audits, trained incident response teams, mock drills, communication systems, and defined assembly points to ensure preparedness. PP mentioned that a Disaster Management Cell, equipped with medical staff, ambulance, fire tender, Self Contained Breathing Apparatus (SCBA) set, oxygen cylinders, and fire-fighting systems, ensures timely response, while coordination with district authorities, hospitals, police, and fire services enables off-site crisis support shall be provided. PP stated that the major risks include earthquakes, flash floods, landslides, drilling and blasting hazards, excavation-related slope failure, and transport-related accident. EAC noted that submission of PP and stated that PP should update their Disaster Management Plan keeping in view that ML area is lying in Seismic Zone VI. Accordingly, PP submitted an updated revised Disaster Management Plan considering the special precautions as the district falls in the seismic zone VI.

EAC reviewed the submission of PP and advised PP to engage seismology experts from institute of national repute to conduct a study of geo-tectonic zones since ML area is lying in Seismic Zone VI. Based on the study report PP should consult DGMS and District Disaster Management Authority for ensuring safety of mine workers and infrastructure/other installations. PP should also follow and strictly implement the recommendations of Seismology experts, DGMS and District Disaster Management Authority.

Regarding the water requirement, the project proponent (PP) submitted that the total water demand for the proposed mining project is 45 KLD, which will be sourced from the company's cement plant through water tankers. EAC noted the submission of PP and advised to construct water reservoir within the ML area to reduce dependence on ground water.

PP reported that baseline data was collected during the summer season (March to May, 2023) and the monitoring results were within prescribed limits. EAC reviewed the data and stated that PP should ensure that water quality (ground/surface) remains unaltered during the course of mining being planned.

PP submitted that public hearing for the project was organized on 08.10.2024 at project Site Brishyrnot, East Jaintia Hills District, under the chairmanship of Additional Deputy Commissioner, East Jaintia Hills following advertisements published in “The Shillong Times” on 07.09.2024 and National Daily i.e. “The Times of India” on 06.09.2024.

PP mentioned that various issues were raised during the public hearing which were related to Implementation of Environment management, green belt development, Local recruitment in the high-ranking posts of the company, Danger to wildlife habitats of Narpuh Wildlife Sanctuary and depletion of flora & fauna and Degradation in water quality of Lubha & Lukha River. PP also submitted the tangible and monitorable Public hearing action plan with a total budget of Rs 419.90 lakhs. EAC reviewed the plan and asked PP to provide toolkit to the beneficiary of vocational training programme. Accordingly, PP submitted a revised PH action plan for providing toolkit for beneficiary of vocational trading on trade adding four number of additional beneficiaries with a revised budget of Rs 426 lakhs. EAC noted the submission of PP and advised PP to implement the public hearing action plan within 3 years.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in its 1th EAC meeting held on 26-27th February, 2026, under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal of Brishyrnot Limestone Deposit-II with total excavation of 3.58 MTPA (3.0 MTPA of Limestone, 0.2 MTPA of Shale, 0.38 MTPA of Waste/OB including Soil in the ML area of 65 ha by M/s Star Cement Meghalaya Limited located at Village Brishyrnot, Tehsil Khliehriat, District East Jaintia Hills, Meghalaya subject to following specific conditions in addition to the standard EC conditions applicable to non-coal mining projects:-

- i. CTO shall be granted in respect of only those land parcels/Khasra Numbers in the Revenue record which have been either acquired by Project Proponent or consent has been obtained from the landowners or from the concerned State Government, or their authorized agency, as the case maybe.
- ii. PP needs to engage seismology experts from institute of national repute to conduct a study of geo-tectonic zones since ML area is lying in Seismic Zone VI. Based on the study report PP should consult DGMS and District Disaster Management Authority for ensuring safety of mine workers and infrastructure/other installations. PP should also follow and strictly implement the recommendations of Seismology experts, DGMS and District Disaster Management Authority.
- iii. Periodic monitoring of dumps stability shall be carried out. Dump management & monitoring should be done in consultation with DGMS.

- iv. No blasting activities shall take place within 500 meters of habitations without special permission from DGMS. Metal windscreen should be installed adjacent to the habitation for the prevention of flying rocks and dust within 500 m, if any. The Project Proponent shall carryout the blasting in such a way that the direction of the blasting should be perpendicular to the village and take guidance from DGMS in this respect. Guidelines of DGMS and safeguards provided in Metalliferous Mining regulations 1961, regarding blasting should be followed.
- v. PP shall carryout the blasting in a controlled manner such that the direction of the blasting should be perpendicular to the village/ habitations. PP needs to strictly adhere to MMR (Metalliferous Mines Regulation) 1961 / DGMS guidelines for undertaking blasting activity so that safety is ensured and chances of ground vibration and overpressure are minimized. PP needs to monitor each blast by Seismograph and maintain blast wise record.
- vi. The Project Proponent should take adequate measures to prevent the fly rock falling onto the nearby habitations and also the Project Proponent needs to set up a permanent monitoring in the nearby village to monitor the blast induced ground vibration and air over pressure.
- vii. PP needs to ensure that the reject/Waste shall be stacked in a scientifically designed and stabilized manner within the lease area, ensuring proper catch drains, toe walls and sedimentation pits to prevent erosion and siltation of nearby areas. PP should construct structures as committed during EAC meetind and covered during deliberation in the meeting for ensuring that no silt flows outside the project ML area.
- viii. PP needs to construct the double retaining wall to avoid any type of land sliding during the rainy season. Before starting the working, the PP shall ensure 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 conducted by an Insititues/organisation of national repute to ensure long term stability of the opencast workings and dumps etc.The Scientific study and the scheme of mining shall be reviewed time to time or whenever there is any significant change in the mine. Before reaching the final stage of mining as designed, the ultimate pit slope shall be again assessed by a fresh scientific study conducted based on experience gained, additionally required input, geological disturbances encountered, hydrogeological conditions etc, till then.
- ix. PP needs to ensure structural adequacy of the haul road and connecting roads through certification from the competent authority.
- x. PP should conduct a study on the possible impacts of this mining project on Narpuh wildlife Sanctuary and try to incorporate in the Regional Wildlife Conservation Plan. Proper consulation in this regard should be done by PP with State Forest Department at the earliest. Regular follow up shall also be done by PP with regard to Site Specific Wildlife Conservation Plan/Regional Conservation Plan.
- xi. The Project Proponent needs to use modern equipment's such as Camera Traps for ensuring presence and movement of wild animals in the study area

in consultation with Wildlife Wing of Forest Department. Appropriate interventions shall be taken to minimize stress conditions for wild animals and to avoid Man-Animal conflict. Project Proponent should follow up with State Forest Department regarding implementation of Wildlife Conservation Plan. PP needs to submit conservation measures for three endangered species namely *Hoolock hoolock*, *Manis pentadactyla* and *Nycticebus bengalensis* to State Forest Department. An implementation report in this regard needs to be submitted to Ministry's Regional office in half yearly compliance report.

- xii. In addition to the Site-Specific Wildlife Conservation Plan, PP shall also intimate the status of the proposed Regional Conservation Plan to Ministry's Regional Office at Shillong on half yearly basis.
- xiii. PP shall inform the State Water Resources Department (WRD) and SPCB about the presence of natural streams/nallahs (Lubha & Lukha River, Um Lunar stream etc) and in close vicinity of the lease area. PP shall ensure that no untreated water is discharged in the river. Any suggestions/recommendations of the State WRD and SPCB should be implemented/ followed in this regard.
- xiv. The Project Proponent shall ensure that mining operations do not disturb the natural drainage pattern of the area or affect the upstream and downstream stretches of the nearby river/nallah. Adequate buffer distance shall be maintained from the river bank. Surface water quality shall be monitored at upstream and downstream locations on a regular basis, and appropriate mitigation measures shall be implemented to prevent adverse impacts on river morphology, aquatic ecology, and downstream water users.
- xv. The Project Proponent needs to implement all possible mitigation measures to prevent ore spillage while transporting the mineral by road. Tarpaulin covered trucks should be used to prevent spillage and emission of dust. Tarpaulin covering should be effective with no scope for any ore mineral spillage left. Geotagged photos of Tarpaulin covering during internal road transportation should be taken and submitted to Regional office of MoEFCC with six monthly compliance report. Proper training of drivers, operators, and supervisors should be imparted regarding adverse effects of ore spillage on air, water, soil quality, safety and wildlife. Copy of the record of the above training should be submitted to Regional office of MoEFCC with six monthly compliance report.
- xvi. PP needs to undertake water sprinkling along the transportation road, wherever necessary. Wind Screens and avenue plantation needs to be undertaken wherever necessary.
- xvii. PP shall ensure that there will be no dust generation during transportation of limestone to crusher.
- xviii. The Project Proponent needs to reduce the dependency upon the ground water, surface water (water from rivers, etc.) and it shall construct a water reservoir within the lease area for meeting its day-to-day water needs. An

implementation report in this regard needs to be submitted to Ministry's Regional Office.

- xix. The mobile water tankers should be used in the ML area for dust suppression and control mitigation. A logbook of water tankers should be maintained mentioning running hours, kilometre reading, maintenance hours of water tankers for each shift.
- xx. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly. The preference shall be given to the local people for the purpose of employment. An implementation report in this regard shall be submitted to Ministry's Regional Office on an annual basis.
- xxi. The Project Proponent shall monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.
- xxii. The Project Proponent needs to install the permanent fixed water sprinklers along the haul road and the approach road. Further, 08 nos. of fog canons/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine area (and/or other area prone to dust pollution). Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.
- xxiii. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed near areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions.
- xxiv. The Project Proponent needs to explore the possibility to reduce the water consumption by using non-toxic chemicals for haul road dust suppression.
- xxv. The Project Proponent needs to complete the entire 7.5 m peripheral plantation, safety barrier plantation and gap plantation within three years. The Project Proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall make the actual count on the saplings planted (2500/ha) and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office. PP shall also ensure a minimum of 20% plantation through Miyawaki technique.

- xxvi. The Project Proponent should adopt the proper mitigation measures as proposed under EMP. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Regional Office.
- xxvii. The Project Proponent 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 at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any noncompliance or infringement should be reported to the concerned authority.
- xxviii. The budget to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.
- xxix. The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.
- xxx. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- xxxi. The Project Proponent needs to provide the good quality RO drinking water supply and also by laying network of pipelines to the Brishyrnot village at free of cost.
- xxxii. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxxiii. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.

- xxxiv. The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to RO, MoEFCC.
- xxxv. The Project Proponent should install Continuous Ambient Air Quality Monitoring Stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- xxxvi. PP should utilise the Oil & Grease Trap for washing of trucks, HEMM operational in their mine project. Disposal of the used oil & drums should be through authorized recyclers and as per rules. Copy of logbook of Oil withdrawn from Oil & Grease Trap should be submitted to the Regional Office of the Ministry.
- xxxvii. PP shall ensure that all type of plastic waste generated from the mines shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 and its amendments. In pursuant to Ministry's OM dated 18/07/2022 PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall be submitted to Ministry's Regional Office.
- xxxviii. PP needs to comply the OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign "EK Ped Ma keNaam" (एकपेड़माँके नाम) and the details of the same shall be uploaded inthe MeriLife portal(<https://merilife.nic.in>).

1.4 Bathiya Limestone Mine for the mining of limestone with a production capacity of 4.0 MTPA and total excavation of 8.84 MTPA (Limestone: 4.0 MTPA; Waste/Reject: 4.43 MTPA; Topsoil: 0.41 MTPA) within the mine lease area of 266.302 ha of M/s AAA Resources Private Limited, located in the villages of Bathiya, Barahiya, Karaundi, Chapna, and Tamoria, Tehsil Maihar, District Satna, Madhya Pradesh-For Environment Clearance (EC) reg.

[Online Proposal No. IA/MP/MIN/405276/2022, File No. J-11015/44/2020-IA.II (M), EIA Consultant - M/s Pragathi Labs & Consultants Pvt Limited]

The instant proposal is for grant of Environmental Clearance of Bathiya Limestone Mine for the mining of limestone with a production capacity of 4.0 MTPA and total excavation of 8.84 MTPA (Limestone: 4.0 MTPA; Waste/Reject: 4.43 MTPA; Topsoil: 0.41 MTPA) within the mine lease area of 266.302 ha of M/s AAA Resources

Private Limited, located in the villages of Bathiya, Barahiya, Karaundi, Chapna, and Tamoria, Tehsil Maihar, District Satna, Madhya Pradesh.

2. The details of the project submitted by the Project Proponent are given as under:

i. Project details:

Name of the Proposal	Bathiya limestone mine of M/s. AAA Resources Private Limited	
Location	Village	Bathiya, Barahiya, Karaundi, Chapna and Tamoria villages
	Tehsil/Taluka	Maihar
	District	Maihar
	State / UT	Madhya Pradesh
	Latitudes	24°16'19.675" N - 24°18'46.795" N
	Longitudes	80°52,42.166" E - 80°55'18.769" E
	SoI / Topo sheet No.	G44 U15 (old 63D 15)
Company's Name	AAA Resources Private Ltd.	
Accredited Consultant and certificate no.	Pragathi Labs & Consultants Pvt. Ltd., Plot no. B15 & 16, Industrial Estate, Behind Pollution Control Board, Sanath Nagar, Hyderabad – 500 018 Certificate. No. NABET/EIA/24-27/RA 0383 Validity: 30/10/2027	
KML file	Circulated to EAC members through email	
Seismic zone	Zone-III as per IS-1893 (Part-1)-2002	

ii. Category details:

Category of the project	A
Schedule no.	1 (a) Mining more than 250 ha.

Mining lease Area (MLA) (in ha.)	266.302 ha.
General Conditions (if any)	No

iii. ToR/EC Details:

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
30/09/2020	IA/MP/MIN/176767/2020	25/11/2020, 09/06/2021	IA-J- 11015/44/2020- IA.II(M)	02-07- 2021

EC was recommended to the project on 29.09.2023 as per MoM of 20th EAC meeting. Post recommendation of EC, ADS raised by MOEFCC dated 16.04.2024, the matter has been again examined through Wildlife Division in the Ministry. The instant proposal requires approval of the Standing Committee of the National Board for Wild Life in accordance with the Section 38-O (1) (g) of the wild life (Protection) Act, 1972. Accordingly, the project proponent is required to provide the copy of NBWL. NBWL Clearance was issued by Chief Wildlife Warden, Madhya Pradesh vide letter no: 340 dated 12.01.2026. NBWL Clearance was submitted to MoEF&CC vide letter dated 13.01.2026.

iv. Details of Mine Lease in chronological manner:

S.no	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of mine lease vide letter no. F 3-8/2011/12/1	13.01.2021	Limestone (major)	50 years	Govt. of Madhya Pradesh	266.302

S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		

1	Mining Lease deed executed on 28/01/2021 and Registered on 26.03.2021	26/03/2021	25/03/2071	Limestone	266.302
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v. Land Area Breakup:

Private land	258.230 ha.
Government land	8.072 ha.
Forest land	Nil
Total Mining lease area (MLA)	266.302 ha.
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	MP/Satna/Limestone/MPLN/G-04/2020-21 and Subsequently Review of Mining Plan under Rule 17 of MCR 2016 vide letter no. E 12268 MCDR-MPC0LST/78/2024-JBP-IBM_RO_JBP
	Date	16.09.2020 and 05.12.2024
	Mineral & (Major/Minor)	Limestone (Major)
	Mine Lease Area, Ha	266.302
	Validity	5 years
Mining Parameters	Quantitative Description	
Method of Mining	Opencast fully mechanized	
Drilling/Blasting	Spacing: 5.0 m Burden: 3.25 m Depth of hole: 8 m (Sub grade drilling 10% =0.8m) Charge per hole: 50 – 60 kg Powder Factor (t/kg): 5 – 6 Dia. of hole: 115 mm	
Geological Reserves	86.46 million tonnes	

Mineable Reserves	31.66 million tonnes
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Total excavation: 8.84 Million Tonnes Per Annum (MTPA) includes Topsoil: 0.41 MTPA; Waste/Reject: 4.43 MTPA; Limestone: 4.0 MTPA
Life of mine	12 years (as per PP)
Mine Bench Height & Bench Width	8 m and 15-30 m
No. of Mine Benches	7
Existing Depth, m bgl	Not applicable
Ultimate Depth of Mining, m bgl	55 m bgl in block-1, 30 m bgl in block 10
Ground Water Table, m bgl	Pre-monsoon 11.63 m bgl; post-monsoon 7.06 m bgl
Details of ground water intersection	Mine workings will intersect water table around 7.06 m during post-monsoon and 11.63 m during pre-monsoon.
Individual bench slope	800
Overall pit slope	450
Details of existing/ proposed Crusher	One crusher of 1400 TPH is proposed.
Mineral Beneficiation	Not applicable
RoM output size	Max. 600 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	The limestone after crushing will be dispatched by tipper trucks through road to cement plant located at Bharauli for captive use. Approximate distance is 27 km. Capacity of dumper is 40 tonnes. The ROM limestone will be crushed before being dispatched to the cement plant. Further, till the installation of crusher, sized limestone will be transported to cement plant for captive use.
Generation of Topsoil/OB & its Management during plan period & conceptual period	Top soil generation during plan period - 45105M3 and during life of mine - 5.02 million m3. The same will be stored temporarily for future use in plantation / reclamation.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	During the first five years period, 899345M3 of waste will be generated. The part quantity will be used for preparing protective bund, crusher ramp etc. and remaining will be stored in temporary waste dump. Upto conceptual period 36.70 million m3 OB will be generated. Entire quantity will be used for backfilling of mine pits.

vii. Water requirement

Total water requirement	412 KLD	Fresh water	412 KLD
		Treated water	Nil
Source	Ground water during initial years of operation.		
Permission for withdrawal/ intersection along with details of grant and its validity	Permission obtained vide order no. CGWA/NOC/MIN/ORIG/2023/18750 dated 23.06.2023 which was valid up to 22.06.2026 and as per PP same has been renewed up to 22.06.2027.		

viii. Nearest village / town/ highway/railway station / water bodies

Particulars	Particular's Name	Distance & Directions
Village	Tamoriya near block 1 and Barahiya near block 10	Adjacent
Town	Amarpatan (Block-1, Block-8 and Block-10)	5.8 km E, 8.6 km ENE and 9.0 km W
Highway	Maihar - Amarpatan/Rewa road	0.1 km, N
Interstate Boundary	Uttar Pradesh	Approx. 67 km.N
Railway station / railway line	Maihar	11.6 km W
Water bodies	Serainji nala Tamas/Tons river Bihar river Bakauli nala Pathana nala	1.9 km, S 6.9 km, W 7.6 km, SE 8.0 km, N 9.2 km, WNW
Forest	Sirgo RF; Papra RF	8.2 km NE; 9.2 km SE

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr. no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	No forest land within ML area vide letter no. 2409 dated 04-03-2021 from Forest Dept. Satna, MP
National park	No	Letter no. No./B.Pra/Ma.Chi/Mine-85/3211 dated 08-04-2021 from PCCF (wildlife and chief wildlife warden, MP).
Wildlife Sanctuary	No	Same as above
Elephant/Tiger Reserve	No	Same as above
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	No	--

Coastal Regulation Zone (CRZ)	No	--
Schedule-I species (No. and name of schedule-I species with authenticated letter)	No	List authenticated by letter no. 2478 dated 04/03/2021 by Forest Dept., Satna. As per the wildlife clearance issued by the Chief Wildlife Warden, Madhya Pradesh, vide Letter No. 340 dated 12.01.2026, it has been stated that a total amount of ₹82.24 lakh was approved under the Wildlife Conservation Plan vide Office Letter No. Principal Chief Conservator of Forests / WL-1 / 28.25 / 262 dated 09.01.2025.
Wildlife Conservation Plan	Yes	Wildlife Conservation Plan vide Office Letter No. Principal Chief Conservator of Forests / WL-1 / 28.25 / 262 dated 09.01.2025.

x. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	Greenbelt – 46.64 ha and 69,960 numbers Backfilled area - 134.85 ha and 2,02,275 numbers
Budget for green plant & plantation till the end of life of mine.	₹2.722 Cr.
Budget for nursery	Included in the above figure
Details of existing plantation and its survival rate	Not applicable
No. of tree cuts in the mine lease area and compensatory afforestation	Nil and compensatory afforestation is not applicable.
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	46.64
50 m safety zone of nallah, roads, electric lines	
500 m safety zones of nearest habitation villages	

xi. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)
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Period of baseline data collection	December 2020 to February 2021, Additional baseline (1 month): March-April 2023
Season (Summer / Pre-monsoon/ Post-monsoon/ Winter)	Winter
Predominant Wind direction (From)	North-West
Ambient Air Quality (no. of locations) and results	<p>10 locations</p> <p>Result summary:</p> <p>PM2.5 ranges between 18.2 $\mu\text{g}/\text{m}^3$ to 36.9 $\mu\text{g}/\text{m}^3$. Maximum concentration for Particulate Matter (PM2.5) was observed as 36.9 $\mu\text{g}/\text{m}^3$ recorded at Barhiya (AAQ3) with the minimum concentration observed as 18.2 $\mu\text{g}/\text{m}^3$ recorded at Karaundi (AAQ6) during the study period. All ambient air quality locations the PM2.5 levels recorded are within the prescribed standards for Residential and Industrial areas.</p> <p>The PM10 ranges between 30.7 $\mu\text{g}/\text{m}^3$ to 61.7 $\mu\text{g}/\text{m}^3$. The maximum concentration for Particulate Matter (PM10) recorded at Barhiya (AAQ3) is 61.7 $\mu\text{g}/\text{m}^3$ and the minimum concentration is recorded as 30.7 $\mu\text{g}/\text{m}^3$ at Mine area (AAQ2) during the study period.</p> <p>The SO₂ concentration ranges from 10.8 $\mu\text{g}/\text{m}^3$ to 18.1 $\mu\text{g}/\text{m}^3$. Maximum concentration for Sulphur dioxide (SO₂) was observed as 18.1 $\mu\text{g}/\text{m}^3$ recorded at Barhiya (AAQ3) and the minimum concentration observed as 10.8 $\mu\text{g}/\text{m}^3$ recorded at Mine Site (AAQ1) during the study period.</p> <p>The NO₂ concentration ranges from 14.1 $\mu\text{g}/\text{m}^3$ to 24.8 $\mu\text{g}/\text{m}^3$. The maximum concentration for Oxides of Nitrogen (NO₂) was observed as 24.8 $\mu\text{g}/\text{m}^3$ recorded at Bahriya (AAQ3) and the minimum concentration observed at 14.1 $\mu\text{g}/\text{m}^3$ recorded at the Karaundi (AAQ6) during the study period. The contribution of NO₂ may be due to commercial activities and vehicular movement.</p>

	<p>The CO concentration ranges from 326 µg/m³ to 461 µg/m³ . The maximum concentration for Carbon Monoxide (CO) was observed as 461 µg/m³ recorded at Karsara (AAQ5) and the minimum concentration observed of 326 µg/m³ recorded at Bhera (AAQ4) during the study period.</p> <p>The O₃ concentration ranges from 3.3 µg/m³ to 12.6 µg/m³ . The maximum concentration for Ozone (O₃) was observed as 12.6 µg/m³ recorded at Amarpatan (AAQ7) and the minimum concentration observed of 3.3 µg/m³ recorded towards Block 10 near Jura (AAQ10) during the study period.</p> <p>NH₃ - <20 µg/cu.m; Pb and BaP - <0.1 µg/cu.m; As, Ni and C₆H₆ – all <1.0 µg/cu.m;</p>
<p>Noise level (no. of locations) and results</p>	<p>10 locations</p> <p>Result summary:</p> <p>The daytime (L_{day}) noise levels at all the locations are observed to be in the range of 41.8 dB (A) to 55.6 dB (A). The maximum noise level of 55.6 dB (A) was observed at Amarpatan(N7) and the minimum noise level of 41.8 dB (A) was observed at Near Hemantnagar(N8).</p> <p>It is observed that the day time noise levels are in accordance to the prescribed limit of 55 dB (A) for Residential and 75 db (A) for Industrial areas.</p> <p>The night-time (L_{night}) noise levels at all the locations were observed to be in the range of 38.4 dB (A) to 52.8 dB (A). The maximum noise level of 52.8 dB (A) was observed at Amarpatan (N7). The minimum noise level of 38.4 dB (A) was observed at Near Hemantnagar (N8).</p> <p>It has been found that the night time noise levels are in accordance with prescribed limit of 70 dB (A) for Industrial and the standard limit of 45 dB (A) for Residential areas.</p>
<p>Water Quality (no. of locations) and results</p>	<p>9 Locations (7 ground water and 2 surface water)</p> <p>Surface water result summary:</p> <ul style="list-style-type: none"> - pH value was observed to be in the range of 6.86 to 6.94 - Electrical conductivity of surface water samples was observed to be in the range of 586.8 µS/cm to 659.7 µS/cm - Dissolved Oxygen was observed in the range of 5.6 mg/l to 6.1 mg/l. - BOD values were observed in the range less than 3 mg/l.

- Total hardness was found to be in the range of 154.22 mg/l to 168.54 mg/l.
- Chloride concentration was observed in the range of 48.6 mg/l to 61.2 mg/l
- Sulphates were found to be in the range of 31.8 mg/l to 32.6 mg/l.
- Nitrates content was found to be in the range of 2.1-3.2 mg/l
- Fluoride content was found to be in the range of 0.4-0.5 mg/l which is within the standard limits.
- Cyanides and Phenolic compounds were found to be < 0.02 respectively.

Ground water result summary:

The analysis results of ground water samples showed the pH in range of 7.01 to 7.62 which are well within the specified standard limits of 6.5 to 8.5.

Electrical conductivity of the samples ranged from 590–1560 $\mu\text{S}/\text{cm}$. The minimum value was observed at GW4 (Bhera), and where as the maximum value was observed at GW6 (Karaundi).

Colour and Turbidity of the samples ranged from 3-7 Hazens and <1.0-3 NTU respectively.

The Total Hardness of the samples ranged from 186.21 – 440.35 mg/l. The maximum value was observed at GW6 (Karaundi) and whereas the minimum value observed at GW4 (Bhera).

Calcium and Magnesium concentrations ranged from 38.6 – 96.8 mg/l and 21.8 – 48.2 mg/l respectively.

The Total Dissolved solids of the samples ranged from 371.5 – 960.1 mg/l. The maximum TDS was observed at GW6 (Karaundi), and whereas the minimum value observed at GW4 (Bhera) locations.

Range of Chlorides and Sulphates concentrations at all the locations 86.5–282.6 mg/l and 34.6 – 112.5 mg/l respectively.

Fluoride concentrations are ranging in between 0.6 – 1.2 mg/l. Nitrates are also found to be ranging between 3.9 – 22.5 mg/l.

Iron concentrations in ground waters varied from 0.06-0.13 mg/l. Zinc levels varied from 0.08 mg/l to 0.34 mg/l.

	<p>Aluminum and Manganese concentration in ground water varied from 0.03 - 0.11 mg/l and 0.02 – 0.08.</p> <p>It is evident from the above values that all the parameters are found to comply with the requirements of IS: 10500 specification of ground water.</p>
<p>Soil Quality (no. of locations) and results</p>	<p>10 locations.</p> <p>Result summary:</p> <p>It has been observed that the texture of soil is mostly sandy clay to clay in the study area. The pH (4.92 to 7.02) of the soil indicating that is Very strongly acidic to Neutral in nature;</p> <p>The electrical conductivity was recorded as 82.4 – 302.1 μS/cm. The minimum conductivity 82.4 μS/cm was observed at Mine Area (S2) and the maximum conductivity was 302.1 μS/cm at Barhiya (S3) during the study period.</p> <p>The organic carbon content in the study area observed as 0.19% to 0.46%, which the soil falls under very less to Medium category.</p> <p>Available potassium was observed as 126.9 kg/ha to 210.5 kg/ha in the study region.</p> <p>Available potassium was observed as minimum 126.9 kg/ha at Karsara (S5) and maximum was observed as 210.5 kg/ha at Karaundi (S6) indicating that the soil falls under less to medium category.</p> <p>Available nitrogen was observed as 38.5 kg/ha to 56.4 kg/ha. Minimum concentration is observed at Mine Area (S2) and the maximum observed concentration at Barhiya (S3). Based on the above values the soil falls under very less to less category of nitrogen.</p> <p>Available phosphorous was observed as 38.6 kg/ha to 66.9 kg/ha in the study region. The minimum value observed at Karaundi (S6) and the maximum was observed at Nadan (S9). It shows the soil falls under medium to sufficient category.</p>
<p>Hydro geological study and results</p>	<p>Hydrogeological investigations were carried out in the study area between 27-30 November 2020 and 22-24 April 2021.</p> <p>Mine workings will intersect water table around 7.06 m during post-monsoon and 11.63 m during pre-monsoon.</p> <p>The block is falling under safe category as per GWRA, 2020.</p>

Traffic study (no. of locations) and results	<p>8 locations</p> <p>Result summary: About 334 trucks per day would be required for transportation of limestone from mine to the captive cement plant.</p> <p>The traffic contribution from mine to the road network will thus is the 'to and fro' movement of 668 vehicles per day, which is equivalent to 2004 PCU per day (taking a PCU factor of 3 per vehicle). With present level of traffic route in three locations and the predicted increase in existing traffic due to the project, adequacy of road/highway during operational phase of the mine has been estimated by comparison with the recommendations stipulated by Indian Road Congress (IRC).</p> <p>The total traffic load after implementation of the mining project will be well within the IRC stipulated maximum load of 35,000 PCU/day for a four lane highway with median separator (NH-7).</p> <p>The estimated peak traffic in terms of PCUs is compared with the stipulated standards by IRC for traffic capacity of the roads and it can be observed that the existing road network is adequate.</p>
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xii. Public Hearing (PH) Details

Advertisement for PH with date (pl. mention name of major national daily and one regional vernacular daily newspaper)	Dainik Bhaskar, Patrika Samachar, Nav Swadesh dated 28.05.2022 and 29.06.2022
Date of PH	20.07.2022
Venue	Near Gokul Gaushala, Village Bathiya, Tehsil Maihar, Dist. Satna, Madhya Pradesh.
Chaired by	Additional District Magistrate
Main issues raised during PH	Pollution control, Environment management, Land compensation, employment
Budget proposed for addressing issues raised during PH	Rs. 122.50 Lakhs for 3 years

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	Not applicable. Will be applied after obtaining EC.
Consent to Operate	Not applicable. Will be applied after obtaining EC.
Certified Compliance Report and Inspection date	Not applicable. Will be applied after obtaining EC.
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Not applicable. Will be applied after obtaining EC.

xiv. Rehabilitation & Resettlement (R&R):

R & R details	639 PAFs (only land losers). There will be no displacement. Estimated total compensation will be around Rs.66.72 Crores.
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xv. Court case details:

Court Case no. and its present status	Writ petition filed by M/s. AAA Resources Ltd. (PP) against State of MP through its Secretary MRD Bhopal, Union of India through its Secretary MOEFCC-New Delhi and Secretary Ministry of Mines-GOI New Delhi. Interim Order dated 23.01.2024 – In the interregnum, respondents are directed not to take any coercive action under Section 4-A(4) of the Mines and Minerals (Development and Regulation) Act, 1957 till next date.
Undertaking by Project Proponent w.r.t court case	PP has submitted an undertaking vide letter dated 14.09.2022 for abiding by the order of the Hon'ble High Court of Jabalpur in respect of Writ Petition no. 484/2017.

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	Affidavit was submitted during TOR application stage and this was acknowledged in point no. 11(iii) of TOR letter no. IA-J-11015/44/2020-IA-II (M) dated 02 July 2021.
Undertaking by Project Proponent in EIA/EMP report	Project Proponent vide letter dated 08.02.2023 submitted an undertaking.

Undertaking by Consultant in EIA/EMP report	Consultant vide letter dated 08.02.2023 submitted an undertaking.
Plagiarism Certificate	Page 5 of uploaded EIA report.

xvii. EDS/ADS details (If any): PP has submitted the following EDS/ADS details as mentioned below:

	ADS sought on 10.03.2023	Reply uploaded on 20.04.2023
1.	The Project Proponent needs to submit the action plan to monitor the movement of tigers in the vicinity of the mine lease area and the Project Proponent needs to ensure the tiger corridors passing in the study area from Digital Support System (DSS) available in NTCA website.	<p>Tiger corridor is not passing through the study area as verified from DSS available in NTCA website.</p> <p>PCCF (wildlife and chief wildlife warden, Madhya Pradesh) certified vice letter no. No./B.Pra/Ma.Cni/Mine-85/3211 dated 08-04-2021 that there were no national park, wildlife-sanctuary. Elephant/tiger reserves within study area.</p> <p>The action plan to monitor the movement of tigers in the vicinity of the mine lease area and maps prepared by expert, based on KML file of Protected Areas and Tiger Reserves / Corridors, is attached as Enclosure - 1.</p>
2.	The Project Proponent needs to submit the plan to avoid the shifting the proposal for diversion of canal.	Plan to avoid the shifting of canal is attached as Enclosure - 2.
3.	The Project Proponent needs to collect one-month fresh baseline data by new EIA consultant to ascertain the ground reality and for revalidation of earlier baseline data.	One-month fresh baseline data by new EIA consultant i.e. Pragathi Labs & Consultants Pvt. Ltd. is attached as Enclosure - 3.
4.	The Project Proponent needs to revisit the safety distance of 300m to be left for habitation in consultation with DGMS.	Safety distance is reviewed and revised and detailed note is attached as Enclosure - 4
5.	The Project Proponent needs to submit the action plan for	Promotion of solar energy has been initiated.

	promotion of solar energy in the mine lease area and to the local people and also the action plan to reduce the diesel consumption by deploying CNG/Electric vehicles.	Till date total 60 nos. of solar lights are installed. The action plan for promotion of solar energy in the mine lease area. Action plan to reduce the diesel consumption by deploying LNG / Electric vehicles is attached as Enclosure - 5.
6.	The Project Proponent needs to submit an action plan for the purpose of local employment in such a way that at least one person in PAF's shall get employment.	The action plan for the purpose of local employment is attached as Enclosure - 6.
7.	The Project Proponent needs to submit the timeline for land acquisition for an area of 258.230 ha.	The land will be purchased for mining in a phased manner. It is planned to obtain surface rights of the land required for the first five-year mining operations within two years of start of operation. The balance land will be purchased in phases.
8.	The Project Proponent needs to submit a timeline for installation of a crusher plant of 1400 TPH.	The installation of a crusher plant of 1400 TPH shall start immediately after obtaining CTE and the installation work shall be completed within 1 year time.
9.	The Project Proponent needs to carry out a hydrogeology study and indicate the location of garland drains, retaining walls and silt check dam.	Detailed hydrogeology study was carried out and the report is attached as an Annexure to EIA. A plan indicating the location of garland drains, retaining walls and silt check dam is attached as Enclosure - 7 .
10.	The Project Proponent needs to obtain permission from CGWA for drawing ground water.	Application to obtain NOC from CGWA is submitted on 15th November 2022 vide reference no. 21-4/1658/MP/MIN/2022. Water abstraction charge INR 3,09,000/- was paid and application is in the final stage of processing at CGWA, HQ. The status of application is attached as Enclosure - 8 .
11.	The Project Proponent needs to submit the present status of the court case no: 484 of 2017	The petitioner DNS Minerals has filed a WP no 484 of 2017 before the HC of MP at Jabalpur Bench. The matter is pending for admission hearing.

	pending at Hon'ble High Court of Madhya Pradesh.	<p>The matter came for hearing on 30th March 2023. But Petitioner sought time from the court and made oral averments before the court that they want to bring subsequent orders of Center/ State on record. Next date of hearing is awaited.</p> <p>The status of the case downloaded from the website of High Court is appended as Enclosure - 09.</p>
	ADS sought on 07.06.2023	Reply submitted vide letter date 02.09.2023
1.	The Project Proponent needs to submit the certificate from the Chief Wildlife Warden regarding movement of tigers in the study area.	Certificate from the Chief Wildlife Warden is enclosed as Annexure-1
2.	The Project Proponent needs to verify whether the instant mine lease area falls in the Greater Panna Landscape delineated by the Wildlife Institute of India (WII).	Location of mine lease has been shown on greater panna landscape as delineated by WII is enclosed as Annexure-2.
3.	The Project Proponent needs to submit the approved action plan to monitor the movement of tigers in the vicinity of the mine lease area from the Chief Wildlife Warden.	Approved Action Plan by Chief Wildlife Warden to monitor the movement of tigers in the vicinity of the mine lease area is enclosed as Annexure-3
4.	The Project Proponent needs to revisit the action plan for the purpose of local employment in a more specific manner by mentioning the skills to be imparted, physical and financial targets and timelines.	A revised action plan for the purpose of local employment is enclosed as Annexure-4.
5.	The Project Proponent needs to submit the map demarcating the land to be purchased and already purchased land. PP also	<p>Map showing the demarcated purchased land and non-purchased land of mine lease area is enclosed as Annexure-5</p> <p>The land will be purchased for mining as per approved mining plan. It is planned to</p>

	needs to submit the phase wise plan for land acquisition.	obtain surface rights of the land required for first five-year mining operations within three years in phased manner. The balance land will be purchased subsequently.										
6.	The Project Proponent needs to submit the copy of withdrawal petition filed on 09.05.2023 before the Hon'ble High Court of Madhya Pradesh at Jabalpur Bench.	Hon'ble High Court Jabalpur Order for withdrawal of petition was submitted by PP in ADS reply.										
7.	The Project Proponent needs to submit the undertaking as committed before the EAC towards promotion of solar energy.	Undertaking is enclosed as Annexure-7										
	ADS dated 16.04.2024	Reply submitted vide letter date 09.12.2024										
1.	The matter has been examined through NTCA and wildlife division in ministry. The proposal require NBWL clearance.	<p>PP has submitted that the ML consists of three blocks as detailed below.</p> <table> <thead> <tr> <th>Block No.</th> <th>Area (Ha)</th> </tr> </thead> <tbody> <tr> <td>• Block 1 –</td> <td>177.813</td> </tr> <tr> <td>• Block 8 –</td> <td>6.913</td> </tr> <tr> <td>• Block 10 –</td> <td>81.576</td> </tr> <tr> <td>TOTAL –</td> <td>266.302</td> </tr> </tbody> </table> <p>The mining lease is divided in to three blocks namely Block 1, Block 8 and Block 10 Separated by National Highway (NH-30) passing adjacent to Block 8 & 10. Block 1 is approx. 1.9 km north of NH-30. NH-30 is a 4-lane cemented road connecting Jabalpur-Katni-Maihar-Amarpatan-Rewa- Prayagraj.</p> <p>Out of the three blocks (1, 8 & 10) two blocks (8 & 10) are falling outside the Eastern tiger dispersal corridor. The same has been certified by DFO, Satna, Madhya Pradesh. as per letter no. Sr. No./</p>	Block No.	Area (Ha)	• Block 1 –	177.813	• Block 8 –	6.913	• Block 10 –	81.576	TOTAL –	266.302
Block No.	Area (Ha)											
• Block 1 –	177.813											
• Block 8 –	6.913											
• Block 10 –	81.576											
TOTAL –	266.302											

		<p>MaChi/ 9119 dated 6/11/2024 (Annexure 1)</p> <p>We have applied to IBM, Govt of India for allowing mining in the Block 8 & 10, which is not falling within the tiger dispersal corridor for meeting timelines required as per the statute to start production and generate revenue for the State Govt.</p> <p>In line with our application, we have revised the mining plan incorporating mine working proposal only in Block 8 & 10 (earlier it was for Block no. 1, 8 & 10) of ML for the period from FY 2025-26 to FY 2029-30, which is not falling in Eastern tiger dispersal corridor and is located at 2 km distance from this corridor. The review of mining plan has been approved by IBM vide letter No. E 12268 MCDR-MPCOLST/78/2024-JBP-IBM_RO_JBP dated 05.12.2024 (Copy of the same is attached as Annexure 2). As per the revised approved mining plan total excavation is 5.43 MTPA (Limestone 4.0 MTPA, Waste / Reject: 1.39 MTPA, Topsoil: 0.04 MTPA in the first five years in Block No. 10 of 81.576 Ha out of total ML area of 266.302 Ha)</p> <p>In view of the above, the apex authority may grant EC for mining in only Block 8 & 10 (88.489 Ha) which is outside the Eastern Tiger dispersal corridor for meeting timelines required as per the statute to start production and generate revenue for the State Govt. EC for mining in the Block 1 for which NBWL clearance is sought by MoEF & CC, may be granted only after getting NBWL clearance.</p>
	ADS dated 08.02.2025	Reply uploaded on 13.01.2026
1.	The matter has been referred to Wildlife Division of Ministry	PP has submitted the copy of wildlife clearance issued by Chief Wildlife

	Warden, Madhya Pradesh vide letter No 340 dated 12.01.2026 for reference and consideration please.
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xviii. Details of the Environmental Management Plan (EMP)

Activities	Capital cost (Rs in Crores)	Recurring cost (Rs in Crores/ annum)
Air pollution control and management	2.280	0.904
Water and wastewater control and management	0.614	0.328
Noise and vibration control and management	0.110	0.010
Soil conservation and solid waste management	0.210	0.027
Plantation & Green Belt	2.722	1.960
Total	5.936	3.229

xix. Details of project cost and employment:

Particulars	(Rs. in Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	7.161
Project Cost	255.72
Employment	132

3. Observation and Recommendation of the Committee:

The instant proposal is for grant of Environmental Clearance of Bathiya Limestone Mine for the mining of limestone with a production capacity of 4.0 MTPA and total excavation of 8.84 MTPA (Limestone: 4.0 MTPA; Waste/Reject: 4.43 MTPA; Topsoil: 0.41 MTPA) within the mine lease area of 266.302 ha of M/s AAA Resources Private Limited, located in the villages of Bathiya, Barahiya, Karaundi, Chapna, and Tamoria, Tehsil Maihar, District Satna, Madhya Pradesh.

i. Deliberation of 20th EAC meeting held during 21-22 September, 2023 :

The EAC deliberated on the additional details submitted by the Project Proponent and the Consultant. The Project Proponent has informed the EAC that the letter has been obtained from the Office of the Principal Chief Conservator of Forest (Wildlife), Madhya Pradesh vide letter dated 23.08.2023 stating that near the proposed site of the forest range, no tiger movement has been observed for the last 10 years. On the basis of reports submitted by Divisional Forest Officer, Forest Division, Satna and Chief Conservator of Forest, Rewa Division, this office is agreed and forwarding the letter for necessary action. The Project Proponent has showed the map of the mine lease area in the Greater Panna Landscape delineated by the Wildlife Institute of India (WII) and also the levels of different corridor level. The Project Proponent also informed the EAC that mineral transportation route is not passing through the tiger dispersal route. The EAC asked the Project Proponent whether any mines are operating in the study area. The Project Proponent informed the EAC that many mines are operating in the study area.

The Project Proponent has informed the EAC that an action Plan has been prepared by Shri Ravikant Mishra, IFS (Retired) for conservation of Flora and Fauna in the 10 km of limestone mining lease area. A budget of Rs.16.50 lacs has been earmarked to monitor the movement of tigers and the same has been approved by the Chief Wildlife Conservator & Principal Chief Forest Warden (Wild Life), M.P vide letter dated 17.08.2023. Action plan for skill development plan has been revised and a budget of Rs 25.0 Lakhs has been earmarked for the same. The land required for operation of mining for the first five years will be acquired within 2 years. The Project Proponent has informed the EAC that Hon'ble High Court of Madhya Pradesh at Jabalpur Bench vide order dated 06.07.2023 pronounced that for the reasons assigned in the application, I.A No. 6358 of 2023 seeking withdrawal of the writ petition is allowed. The writ petition was accordingly dismissed as withdrawn with liberty to file a fresh petition. The Project Proponent also informed the EAC that as on date there is no court case pending against the project. The Project Proponent also undertakes to install solar energy with capacity of 500 kW within two financial years and also informed that the same may be completed in advance depending on the acquisition of the land.

ii. Current Deliberation of EAC :

The Project Proponent/Consultant presented the KML file to indicate the salient surface features in the study area. No nallah is present within the mine lease area. National Highway is located adjacent to the mine lease area at a distance of 0.1 km, N. Few operating mines exist in the vicinity of the mine lease area. The Project Proponent also informed the EAC that Village Tamoriya is located adjacent to the ML area.

The Project Proponent informed the Committee that, vide letter dated 08.02.2023, the EIA consultant has been changed from M/s Vimta Labs Limited to M/s

Pragathi Labs & Consultants Pvt. Ltd., as M/s Vimta Labs Limited has been debarred. The PP further submitted that M/s Pragathi Labs & Consultants Pvt. Ltd., vide letter dated 08.02.2023, has furnished an undertaking stating that they have reviewed the EIA/EMP report of M/s AAA Resources Private Limited prepared by M/s Vimta Labs Limited and have observed that the report complies with all the prescribed Terms of Reference (ToR) issued by the Ministry vide letter dated 02.07.2021. Accordingly, M/s Pragathi Labs & Consultants Pvt. Ltd. has undertaken the ownership and responsibility of the contents and data presented in the EIA/EMP report.

The Project Proponent informed that the mining lease (ML) area of 266.302 ha comprises three blocks, namely Block-1 (177.813 ha), Block-8 (6.913 ha), and Block-10 (81.576 ha). The PP further informed that Block-8 and Block-10 are located adjacent to National Highway-30 (NH-30), while Block-1 is located approximately 1.9 km to the north of NH-30. The NH-30 is a four-lane cemented road connecting Jabalpur–Katni–Maihar–Amarpatan–Rewa–Prayagraj. The PP further submitted that shifting of the canal has been avoided and a safety barrier of 50 m on either side of the canal will be maintained.

The PP submitted that the baseline environmental data was initially generated by the previous EIA Consultant, M/s Vimta Labs Limited. The Committee was of the view that the newly appointed EIA Consultant, M/s Pragathi Labs & Consultants Pvt. Ltd., should revalidate the baseline data for a period of one month to ascertain the prevailing environmental conditions and verify the authenticity of the earlier baseline data. Accordingly, fresh baseline monitoring for one month was carried out from 09.03.2023 to 09.04.2023 for the purpose of revalidation. It was informed that ambient air quality monitoring was carried out at 10 locations, soil sampling at 10 locations, surface water monitoring at 2 locations, groundwater monitoring at 9 locations, and noise level monitoring at 10 locations within the study area. The Project Proponent also presented before the Committee a comparative analysis of the baseline environmental data for Winter 2021 and Summer 2023, for validation of the baseline conditions.

The Project Proponent (PP) has submitted that no forest land is involved within the mine lease area. Further, there is no National Park, Wildlife Sanctuary, Elephant Reserve, Tiger Reserve, or Eco-Sensitive Zone located within a 10 km radius of the mine lease area. The PP has also reported that no Schedule-I species have been recorded within the study area.

The mining lease comprises three blocks, namely Block Nos. 1, 8 and 10. Out of these, Block Nos. 8 and 10 fall outside the Eastern Tiger Dispersal Corridor. This has been certified by the Divisional Forest Officer, Satna, Madhya Pradesh, vide Letter No. Sr. No./MaChi/9119 dated 06.11.2024.

Further, the PP has obtained wildlife clearance from the Chief Wildlife Warden, Madhya Pradesh vide Letter No. 340 dated 12.01.2026. As per the said clearance,

limestone mining is proposed to be carried out on revenue land comprising Block No. 1 measuring 177.813 ha, Block No. 8 measuring 6.913 ha, and Block No. 10 measuring 81.576 ha, aggregating to a total area of 266.302 ha.

As per the wildlife clearance issued by the Chief Wildlife Warden, Madhya Pradesh, vide Letter No. 340 dated 12.01.2026, it has been stated that a total amount of ₹82.24 lakh was approved under the Wildlife Conservation Plan vide Office Letter No. Principal Chief Conservator of Forests / WL-1 / 28.25 / 262 dated 09.01.2025.

PP vide letter dated 26.02.2026 requested to District Mining Officer, Madhya Pradesh for issuing the letter of confirmation that no illegal Mining activity is carried out in Bathiya ML area of 266.302ha. Further, PP submitted a letter issued by the Office of the Collector (Mining Branch), District Maihar, Madhya Pradesh, wherein it was informed that no illegal excavation of any kind was found within the approved lease boundary and no mining activities were carried out by the lease holder.

Project Proponent has informed the EAC that mine will generate employment to about 132 nos in various categories.

PP has informed that a court case is ongoing w.r.t the project in the Hon'ble High Court of Madhya Pradesh at Jabalpur in Writ Petition No. 1812 of 2024. PP filed this case due to delay in the grant of approvals for three years since the execution of the Lease Deed dated 28.01.2021. Which delayed starting mining operations. PP requested the Hon'ble Court to issue direction for time bound consideration of the application filed for grant of Environmental Clearance under Environment (Protection) Act, 1986.

PP further prayed that the Respondent No. 3 (State Govt. of Madhya Pradesh) may be restrained from taking any steps against the PP in terms of Section 4-A(4) of the Mines and Minerals (Development and Regulation) Act, 1957 that enables State Govt. for discontinuance of the mining operations after lapse of the Mine lease. As per the section 4 A(4) of the MMDR Act, 1957, if the holder of a mining lease fails to undertake mining operations for a period of [two years] after the date of execution of the lease or having commenced mining operations, has discontinued the same for a period of [two years], the lease shall lapse on the expiry of the period of [two years] from the date of execution of the lease or, as the case may be, discontinuance of the mining operations.

In this regard, Hon'ble High Court of Madhya Pradesh at Jabalpur vide order dated 23.01.2024 directed that the respondents shall not take any coercive action against the petitioner under Section 4-A (4) of the Mines and Minerals (Development and Regulation) Act, 1957 until the next date of hearing. Next date of hearing is not available on the website of High court.

During the discussions, the EAC noted the commitment of the PP that they will abide by the directions passed by the Hon'ble High Court of Madhya Pradesh in Writ

Petition No. 1812 of 2024. PP also submitted that court case W.P. (C) no. 484 of 2017 in Hon'ble High Court of Madhya Pradesh has been dismissed.

The Project Proponent (PP) has submitted that the Mining Plan has been revised and the Review of Mining Plan has been approved by the Indian Bureau of Mines vide Letter No. E 12268 MCDR-MPC0LST/78/2024-JBP-IBM_RO_JBP dated 05.12.2024. As per the approved Mining Plan, mine working has been proposed only in Block No. 10 for the plan period from FY 2025–26 to FY 2029–30.

PP informed that they have made an error in the ADS reply dated 10.12.2024 wherein it was mentioned that the mining plan incorporating mine working proposal is only for Block 8 & 10 (earlier it was for Block no. 1, 8 & 10) of ML for the period from FY 2025-26 to FY 2029-30. However, in the mining plan it has been mentioned that "Review of Mining Plan Proposal Is Planned in Block 10 Away From This Dispersal Route." EAC noted the submission of PP and opined that the Project Proponent shall undertake mining operations only in Block No. 10 during the first five years, in accordance with the approved Mining Plan. The Committee further advised that any mining in the mine project shall be strictly done in accordance with the IBM approved Mining plan.

The Project Proponent informed the EAC that an area of 258.230 ha will be purchased. There are 639 Project Affected Families (PAF's) and no displacement is involved. The EAC asked about the status of land acquisition. The Project Proponent informed that land acquisition is yet to start. The EAC opined that the Project Affected Families shall be given preference for the purpose of employment and shall submit an action plan in such a way that atleast one person in PAF's shall get employment.

Public hearing for the proposed limestone mine was conducted on 20.07.2022 under the chairmanship of Upper District Collector, Satna at Gokul Gaushala Shed, Village Bathiya, Tehsil Maihar, Dist. Satna, Madhya Pradesh. 137 persons were physically present at the public hearing venue.

PP has informed that the total cost of EMP (Capital Cost of EMP + capital cost of Public hearing) is 7.161 Crore, However, the Project Cost is Rs. 255.72 Crore.

After detailed deliberations made by the Project Proponent and the Consultant, the Committee reiterating the decision of the 20th EAC meeting held 21-22nd September, 2023, in the 1st EAC meeting held during 26-27th February, 2026 under the provisions of EIA Notification 2006 and its subsequent amendments, **recommended** the proposal for grant of Environmental Clearance to Bathiya Limestone Mine of M/s AAA Resources Private Limited for mining of Limestone with production capacity of 4.0 MTPA, Topsoil: 0.41 MTPA, Waste/reject: 4.43 MTPA (Total excavation: 8.84 MTPA) along with the crusher of 1400 TPH in the mine lease area of 266.302 ha, located at Bathiya, Barahiya, Karaundi, Chapna and Tamoria Villages, Tehsil: Maihar, District: Satna, Madhya Pradesh subject to the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects: -

- i. CTO shall be granted in respect of only those land parcels/Khasra Numbers in the Revenue record which have been either acquired by Project Proponent or consent has been obtained from the landowners or from the concerned State Government, or their authorized agency, as the case maybe.
- ii. PP shall commence and undertake the mining operations in this project strictly in accordance with the IBM approved Mine Plan.
- iii. The Project Proponent will abide by the directions/orders of the Hon'ble High Court of Madhya Pradesh in Writ Petition No. 1812 of 2024.
- iv. PP should comply with the conditions mentioned in the Wildlife clearance issued by the Chief Wildlife Warden, Madhya Pradesh, vide letter dated 12.01.2026.
- v. The Project Proponent needs to implement the approved action plan to monitor the movement of Tigers in the study area with an earmarked budget of Rs 16.50 Lakhs.
- vi. As committed by the Project Proponent, installation of crusher plant of 1400 TPH shall start immediately after obtaining CTE and the installation work shall be completed within 1 year.
- vii. The Project Proponent should take adequate measures to prevent the fly rock falling onto the nearby habitations and Project Proponent also needs to set up a permanent monitoring in the nearby Tamoriya village to monitor the blast induced ground vibration and air over pressure.
- viii. The Project Proponent needs to carry out ground vibration study through reputed institute to determine maximum charge per hole and charge to be blasted per delay so that ground vibrations are minimized and kept within permissible safe limits fixed by DGMS. Necessary permission shall be obtained from DGMS for conducting blasting.
- ix. The Project Proponent should periodically monitor and maintain the health records of the mine workers prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance shall be carried through regular occupational health check-up every year for mine workers as per DGMS guidelines. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- x. The Project Proponent shall monitor the ground induced blasting regularly for every blast performed and the values of "peak particle velocity" and "Air Over Pressure" shall be maintained below the permissible values prescribed by DGMS, from time to time. The data needs to be maintained and submitted along with the six monthly compliance report.
- xi. In the mining area, adequate number of check dams, retaining walls/structures,

garland drains and settling ponds should be provided to arrest the wash-off with rain water in catchment area.

- xii. The Project Proponent shall provide the rainwater harvesting structure at mine offices and quarters/colonies to recharge the ground water. PP shall explore the construction of water reservoirs in the ML area to lessen dependency on surface and groundwater.
- xiii. PP shall not discharge any untreated surface/mine pit water outside the ML area.
- xiv. The Project Proponent shall monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village, crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Regional Office.

- xv. The Project Proponent needs to make provision for permanent water sprinklers so as to reduce the water consumption. Further, 10 nos. of fog canon/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine area. Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.
- xvi. The mobile water tankers should be used in the ML area for dust suppression and control in addition to permanent fixed type water sprinkler along the haul roads. A logbook of water tankers should be maintained mentioning running hours, kilometre reading, and maintenance hours of water tankers for each shift. PP shall use non-toxic chemicals for dust suppression in order to reduce the total water requirement.

- xvii. The Project Proponent shall install appropriate air pollution control equipment such as bag filters, vacuum suction hoods and dry fogging systems at crushers and other pollution-prone areas. Necessary measures shall be undertaken to prevent the generation and dispersion of fugitive dust emissions. The crusher area shall be surrounded by dense plantation, and three sides of the crusher shall be covered with noise barrier sheets. Permanent water sprinklers, fogging or misting arrangements shall also be installed on three sides of the crusher and near the limestone unloading platform for effective dust suppression. Stack emission monitoring of the crusher shall be carried out at regular intervals.

- xviii. The Project Proponent needs to implement all possible mitigation measures to prevent ore spillage while transporting the mineral by road. Tarpaulin covered trucks should be used to prevent spillage and emission of dust. Tarpaulin covering should be effective with no scope for any ore mineral spillage left. Geotagged photos of Tarpaulin covering during road transportation should be taken and submitted to Regional office of MoEFCC with six monthly compliance report. Proper training of drivers, operators, and supervisors should be imparted regarding adverse effects of ore spillage on air, water, soil quality, safety and wildlife. Copy of the record of the above training should be submitted to Regional office of MoEFCC with six monthly compliance report.

- xix. PP shall ensure that there will be no dust generation during transportation of limestone to cement plant. Wind screens can also be provided to prevent adjacent population from adverse effects of mineral transportation.
- xx. PP needs to ensure that the Level of Service during ore transportation on road should always remain in the ' A & B' category as per Indian Road Congress Guidelines.
- xxi. PP needs to undertake water sprinkling along the transportation road, wherever necessary. Wind Screens and avenue plantation needs to be undertaken wherever necessary.
- xxii. The Project Proponent should install the continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- xxiii. The Project Proponent needs to complete the entire 7.5 m peripheral plantation and safety barrier plantation within three years from the start of mining operations. The Project Proponent shall plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings), the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department.
- xxiv. The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office. Density of plantation should be 2500 plants/ha). PP shall make provision for drip irrigation to conserve the water. PP should plant fruit bearing trees along with other native and allied species within the ML area. PP shall also ensure a minimum of 20% plantation through Miyawaki technique.
- xxv. The budget of Rs 122.50 Lakhs to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.

- xxvi. PP shall ensure that all type of plastic waste generated from the mines shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 and its amendments. In pursuant to Ministry's OM dated 18/07/2022 PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry's Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall be submitted to Ministry's Regional Office.
- xxvii. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 5.936 Cr. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Regional Office.
- xxviii. The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years. PP needs to install solar power plant with a capacity of 500 kW at the earliest to reduce dependency on conventional power supply from state. Solar power plant shall be completed in advance depending on the acquisition of the land.
- xxix. NoC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
- xxx. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.
- xxxi. No ore transportation through village road shall be allowed.
- xxxii. No Nallah should be disturbed or diverted in the project at any stage of the mining operation. The natural water bodies and or streams which are flowing in and around the mine lease area should not be disturbed. PP shall consult state Water Resource department and SPCB regarding safeguards for Nallah/Stream and follow their instructions/recommendations. Implementation status of this condition should be communicated to Ministry's Regional Office along with six monthly compliance reports.

- xxxiii. The Project Proponent shall strictly adhere to the skill development plan and implement the same with an earmarked budget of Rs 25.0 Lakhs.
- xxxiv. The Project Proponent 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 at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.
- xxxv. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly. The preference shall be given to the local people for the purpose of employment and PP shall strictly adhere to the skill development plan for the work force.
- xxxvi. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on occupational health shall be carried out every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxxvii. The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to RO, MoEF&CC.
- xxxviii. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.
- xxxix. PP should utilise the Oil & Grease Trap for washing of trucks,/vehicles/ HEMM operational in their mine project. Used oil and drums should be disposed through authorised recyclers as per rules. Copy of logbook of Oil withdrawn from Oil & Grease Trap and disposed to the authorised dealer should be submitted to the Regional Office of the Ministry.
- xl. PP needs to comply the OM dated 24.07.2024 of MoEF&CC, wherein it is stated

that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign “EK Ped Ma keNaam” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal(<https://merilife.nic.in>).

1.5 Ramai Limestone Mine for mining of limestone with production capacity of 1.8MTPA in the ML area of 334.21 ha by M/s Renuka Cement Limited located at Village Ramai, Mandal Adilabad, District Adilabad, Telangana - For Environmental Clearance (EC) reg.

[Online Proposal no IA/TG/MIN/538155/2025, File no. J-11015/62/2024-IA-II (NCM), EIA Consultant- B.S. Envi-Tech Pvt. Ltd]

The instant proposal is for Environmental Clearance of Ramai Limestone Mine for mining of limestone with production capacity of 1.8MTPA in the ML area of 334.21ha by M/s Renuka Cement Limited located at Village Ramai, Mandal Adilabad, District Adilabad, Telangana.

2. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	Proposal for Environmental clearance for Ramai Limestone Mine (Area: 334.21Ha.) for Limestone production of 1.80MTPA by M/s. Renuka Cement Limited at Ramai Village, Adilabad Mandal, Adilabad District, Telangana State.	
Location	Village	Ramai Village,
	Tehsil/Taluka	Adilabad
	District	Adilabad
	State / UT	Telangana
	Latitudes	19°37'58.50"N- 19°39'21.40"N
	Longitudes	78°37'30.10"E- 78°39'7.48"E
	Sol Topo sheet No.	56/I/10
Company's Name	M/s. Renuka Cement Limited	
Accredited Consultant and certificate no. and Validity	B.S. Envi – Tech Pvt. Ltd., Secunderabad – 500 017 (Quality Council of India, NABET Accredited) NABET Accreditation No: NABET/EIA/2326/RA0302 (Rev. 01), valid up to 13.05.2026	
KML file	Enclosed	
Seismic zone	Seismic zone – II	

ii. Category details:

Category of the project	'A' (Non-Coal Mining, Major Minerals-Opencast)
Schedule No.	1(a) – Mining of Minerals
Mining lease Area (MLA) (in ha.)	334.21 Ha
General Conditions (if any)	None

iii. ToR/EC Details:

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
16.08.2024	Proposal No: IA/TG/MIN/492985/2024 File No: IA-J-11015/62/2024-IA-II(NCM)	33rd EAC meeting (NCM Sector) dated 09/09/2024	TOR Identification number TO24A0000TG5465828 N and F. No. IA-J-11015/62/2024-IA-II (NCM)	18.11.2024

iv. Details of Mine Lease in chronological manner:

S. No	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of Mining Lease in the name of M/s. Zenith Steel Pipes and Industries Limited. G.O.Ms.204, Ind & Comm. (M.III) Dept. dated 02.12.1995	02.12.1995	Limestone , Major Mineral	20 years (29.01.1996 to 28.01.2016)	Government of Andhra Pradesh	636.580

2	Transfer of Mining Lease in the name of M/s. Birla Cement & Industries Limited G.O.Ms.261, Ind & Comm. (M.III) Dept. dated 30.07.1998	30.07.1998	Limestone , Major Mineral	20 years (29.01.1996 to 28.01.2016)	Transferred	636.580
3	Change of Name from M/s. Birla Cement & Industries Limited to M/s. Renuka Cement Limited and extending the period of Mining Lease for 50 years as per section 8A (3) of MMDR Amendment Act 2016. G.O.Ms.No.40	10.07.2017	Limestone , Major Mineral	50 Years (29.01.1996 to 28.01.2046)	Govt of Telangana.	334.21
4	Extending the Mine lease Upto 12.06.2025 with the condition to establishment of cement plant	13.06.2023	Limestone , Major Mineral	50 Years (29.01.1996 to 28.01.2046)	50 Years (29.01.1996 to 28.01.2046)	334.21

S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease
		From	To		

					area in Ha
1.	Execution of lease deed Proc. of ADMG, Mancherial vide Proc. No. 790/ML/2017 dated 14.06.2018	29.01.1996	28.01.2046	Limestone, Major Mineral	334.21

v. Land Use/Land Cover of the Mine Lease Area:

Private land	320.92 ha
Government land	13.29 ha
Forest land	0
Total Mining lease area (MLA), ha	334.21 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/ DMG)	Letter No.	AP/ADB/MP/Lst-3/Hyd
	Date	19.07.2024
	Mineral & (Major/Minor)	Limestone, Major Mineral
	Mine Lease Area, Ha	334.21 Ha.
	Validity	2025-26, (March,31 st 2026)
Additional information (if any)	-	
Mining Parameters	Quantitative Description	
Method of Mining	Open Cast Mechanized mechanized method of mining, which includes drilling, blasting, loading and transportation by deploying heavy earth moving machineries.	
Drilling/ Blasting	Deep- hole drilling & blasting and use of HEMM with Excavator & dumper combination.	
Geological Reserves	117.00 million tonnes	
Mineable Reserves	68.14 Million Tonnes	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Limestone Production 1.80 million tonnes per annum (MTPA). No top soil and over burden.	
Life of mine	37.8 years	
Mine Bench Height & Bench Width	Bench Height: 7 m Bench Width:9 m	
No. of Mine Benches	At present two benches, in future we will go upto five benches	
Existing Depth, m bgl	New Mine	

Ultimate Depth of Mining, m bgl	40
Ground Water Table, m bgl	80
Details of ground water intersection	<p>The exploration is carried out up to 40 m as per present approved mining plan. Mining operations will not intersect ground water table, with the present approved mining plan.</p> <p>Further exploration will be carried out after initiating mining operations in the lease area as per the approved mining plan (after getting all necessary approvals). Based on this, ultimate mine pit depth will be estimated.</p>
Individual bench slope	60 ⁰
Overall pit slope	45 ⁰
Details of existing/proposed Crusher	Proposed crusher: 850 TPH
Mineral Beneficiation	None
RoM output size	output size is -75mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	The limestone extracted from the mine will be transported by dumpers to the cement plant situated adjacent to the mining area. Transportation of limestone from the working face to the crusher will be through 35-ton tippers. Initially, mining will commence near the cement plant at a distance of about 300 m, and as mining progresses, the maximum hauling distance will gradually increase to 1.5 km.
Generation of Topsoil/OB & its Management during plan period & conceptual period	No Top Soil Generation from the Mine
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	No Waste Generation from the Mine

vii. Water requirement:

Total water requirement	123 m ³ / day	Fresh water	125 m ³ / day
		Treated water	-
Source	Initially the water requirement will be met from Cement Plant. Later on the water requirement will be met through mine pits		
Permission for withdrawal/ intersection along with details of grant and its validity	Not Applicable		

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	1. Addagutta- within ML Area 2. Sonerao gutta- within ML Area 3. Ramai 4. Kanpa 5. Jamuldhari 6. Ramulguda	-- -- - 1.0 km – NNE - 1.0 km – E - 0.8 km – SW - 1.0km – W
Town	Adilabad	10.5km - WNW
Highway	National Highway (NH-353B)- Adilabad - Rajura	8.36km – N
Interstate Boundary	Telangana – Maharashtra	14.67 km - NNE
Railway Station/Railway line	Adilabad	9.7 km - WNW
Water Bodies	1. Sathnala Left Bank Canal 2. Satnala or Penganga River 3. Sathnala Medium Project/Dam Reservoir 4. Nallantiya Vagu 5. Satnala Right Bank Canal	– within ML Area – 0.5 km – NE – 1.38km – E – 2.4km – NE – 1.44km - NE
Forest	1. Satnala RF 2. Yapalguda RF 3. Yapal Guda RF	– Adjacent – S – 0.5km – SW – 3.3 km – WNW

ix. Presence of Environmentally Sensitive areas in the study area

Forest Protected Environmental Sensitivity Zone	Land/ Area/	Yes/ No	Details of Certificate/ letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance		No	No forest land is involved in the project A certificate confirming that no forest land is involved in the project area has been issued by the Divisional Forest Officer, Adilabad, Government of Telangana Forest Department, vide Letter No. RC No. 121/2025/S10 dated 18.07.2025.
National Park		No	There is no National Parks, Sanctuaries, Biosphere Reserves, Migratory corridors of wild animals exist within 10 km radius from the ML boundary of Ramai Limestone Mine (334.21 ha) and the same confirmed by the District Forest Officer, Adilabad, Government of Telangana
Wildlife Sanctuary		No	
Elephant/Tiger Reserve		No	

		Forest Department, vide Letter No. RC No. 120/2025/S10 dated 18.07.2025.
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	-
Coastal Regulation Zone (CRZ)	No	-
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	<p>The reported/observed list of fauna and their conservation status as per Wild Life Act 2022) in study area are Grey Mongoose, Bonnet Macaque, Jungle Cat, Russell's Viper, Indian Cobra, Indian Rat Snake, Bengal Monitor Lizard and Indian Peafowl Schedule-I species reported in Study area.</p> <p>The Conservation plan for both plant and mine is under preparation for these Schedule-I species and will be pursued for approval. Rs.62 lakhs allocated for biodiversity conservation in the region. A letter has written to DFO, Telangana for Wildlife conservation plan and wildlife conservation report is prepared and is under process.</p>
Wildlife Conservation Plan	Yes	The Wildlife Conservation Plan was prepared and submitted to the Chief Wildlife Warden, Telangana State Forest Department, Government of Telangana on 10.12.2024. It is currently under process for approval.

x. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	<p>Total area under greenbelt for the lease period will be 69.87 Ha with 1,74,675 saplings.</p> <ul style="list-style-type: none"> • Greenbelt Development (7.5m barrier zone): 7.39 Ha. • Greenbelt along the 50m safety barrier zone of canal and Power transmission lines Public roads: 62.48 Ha
Budget for green plant & plantation till the end of life of mine.	Capital Cost: Rs.350 Lakhs Recurring Cost: Rs. 5 Lakhs
Budget for nursery	-
Details of existing plantation and its survival rate	-

No. of tree cuts in the mine lease area and compensatory afforestation	A Compensatory Afforestation Plan will be implemented in accordance with regulatory norms, with a minimum 1:2 plantation ratio. Accordingly, at least 36,600 saplings will be planted in suitable, identified locations. The species selected for afforestation will be native to the region to support biodiversity restoration and ecological balance
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	7.39 Ha
50 m safety zone of nallah, roads, electric lines	62.48 Ha - Greenbelt along the 50m safety barrier zone of canal and Power transmission lines Public roads
500 m safety zones of nearest habitation villages	<ul style="list-style-type: none"> • The rehabilitation and resettlement studies are under process. 300m safety zone has been left around the Habitation area and there will not be any displacement of human settlement taking place. • Controlled Blasting will take place by following DGMS rules and regulations. • Blasting/Vibration studies will be conducted once the mine becomes operational. • The mining will be commenced at appoint more than 1 km from the habitation. By the time, it reaches in the vicinity of 500m from habitation, the measures like surface miner or controlled blasting will be adopted.
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xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	01.10.2024 to 31.12.2024 i.e., October 2024 to December 2024
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Post monsoon Season, 2024

Predominant direction (From)	Wind	E-ENE-NE
Ambient Air Quality (no. of locations) and results		<p>09 Ambient Air Quality</p> <p>Results:</p> <ol style="list-style-type: none"> 1. PM₁₀ ranges from 45.6 to 64.2 µg/m³ 2. PM_{2.5} ranges from 15.9 to 27.6 µg/m³ 3. SO₂ ranges from 8.3 to 18.7 µg/m³ 4. NO₂ ranges from 9.5 to 20.8 µg/m³
Noise level (no. of locations) and results		<p>09 Noise Level Monitoring stations</p> <p>Results:</p> <p>Core Zone</p> <p>The day-time equivalent noise level is 54.6 dB (A) – 57.3 dB (A), whereas the night-time equivalent is 47.8 dB (A) – 49.1 dB (A). The noise levels are within the prescribed limits.</p> <p>Buffer Zone</p> <p>The day-time equivalent noise levels are varying from 49.5 – 54.6 dB (A), whereas the night-time equivalent is ranging between 39.6 – 44.7 dB (A). The Noise levels are within the prescribed limits.</p>
Water Quality (no. of locations) and results		<p>Ground Water: 07 locations</p> <p>Results:</p> <ul style="list-style-type: none"> • pH: 7.07 – 7.68. Alkaline in nature. • Total dissolved solids: 537 - 1290 mg/l. • Total hardness as CaCO₃: 280 - 535 mg/l. • Chlorides concentration: 18 - 133 mg/l. • Fluoride concentration: 0.60 – 1.42 mg/l. • Sulphates concentration: 22 – 122 mg/l. <p>Surface water: 07 Location</p> <p>Results:</p> <ul style="list-style-type: none"> • pH - 7.56 – 8.30 • Boron as B: <0.1 mg/l • BOD@270 for 3 days: 2-3 mg/l • Chemical Oxygen demand (COD): 9-16 mg/l • Dissolved Oxygen (D.O): 5.9 – 6.9 mg/l • Sodium Absorption Ratio: 0.47 – 1.80 mg/l

	<ul style="list-style-type: none"> • Ammonical Nitrogen as N: 0.28 – 0.42 mg/l • Total coliforms: 40-170 CFU/100ml
Soil Quality (no. of locations) and results	<p>08 Soil Quality locations</p> <p>Results:</p> <ul style="list-style-type: none"> • pH Value of 1:2 aqueous extract Solution: 7.22 – 8.32 • E.C, 1:2 aqueous extract Solution: 0.152 – 0.58 μS/cm • Mineralized Nitrogen (Available Nitrogen): 260 – 342 kg/ha • Available Phosphorous as P_2O_5: 42 – 92 kg/Ha • Available Potassium as K_2O: 283 – 957 Kg/Ha • Available Manganese as Mn: 186 – 1956 mg/kg • Organic Carbon: 0.43 – 0.7 %
Hydro geological study and results	<p>Thus, the study area is categorized as “Safe” as per the Ground water Estimation Committee, 2015 norms. The water table will not be intersected during the mining operations.</p>
Traffic study (no. of locations) and results	<p>The limestone extracted from the mine will be transported by dumpers to the cement plant situated adjacent to the mining area.</p> <p>The transportation of limestone to the cement plant involves only crossing of the small village road where no public movement is noticed.</p> <p>Transportation of limestone from the working face to the crusher will be through 35-ton tippers. Initially, mining will commence near the cement plant at a distance of about 300 m, and as mining progresses, the maximum hauling distance will gradually increase to 1.5 km. Since all limestone transportation from the mine to the crusher is entirely internal, no movement will occur on public roads and therefore no additional external traffic will be generated hence the impact on traffic is not envisaged.</p>

xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	Public hearing advertisement was published on 18.02.2025 in ‘Andhrajyothi’ (Telugu) and ‘The Hindu’ (English)
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Date of PH	The Public Hearing was held on 20.03.2025 by Telangana State Pollution Control Board.
Venue	Venue of the Public hearing was near the proposed project area
Chaired by	The meeting was chaired by Smt.K. Shyamala Devi Additional District Collector & Additional District Magistrate Adilabad Telangana, Sri G. Laxman Prasad, Environmental Engineer, Telangana Pollution Control Board, Regional Office, Nizamabad and Sri Vinod Revenue Divisional officer Adilabad.
Main issues raised during PH	<ul style="list-style-type: none"> • Social Development: He requested the Revenue Authorities to identify surplus land in Sy. Nos. 83 and 20 for distribution to poor farmers. • Free education up to Intermediate level and free medical care will be provided to villages in the impact zone. • Employment: There is a long-standing delay in the establishment of the plant, causing uncertainty and frustration among locals who have been anticipating employment opportunities for generations without any material progress. • Health: He suggested to the management to conduct medical camps in Yapalguda, Addagutta and Ramai villages to ascertain the status of the people and people suffering from diseases should be provided with free medicines. • Air Pollution: He emphasized the need for effective pollution control, urging the management to begin extensive plantation using the 'Miyawaki' technique along the periphery of the plant and mine sites before operations commence, drawing from successful examples like Kumbh Mela and underscoring the importance of clean air post-COVID.
Budget proposed for addressing issues raised during PH over 3 years	RCL will be spending Rs. 56.5 lakhs towards Need Based Assessment and the public hearing commitments expenditure proposed in the next 3 years.

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	Not Applicable as this is a fresh mine
Consent to Operate	Not Applicable as this is a fresh mine

Certified Compliance Report and Inspection date	Not Applicable as this is a fresh mine
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Not Applicable as this is a fresh mine

xiv. Rehabilitation & Resettlement (R&R):

R & R details	<p>Two habitation clusters—Soneraogutta and Addagutta—fall within the proposed mining lease area and form part of Ramai village. These clusters comprise approximately 48 households (18 in Soneraogutta and 30 in Addagutta). At present, no displacement is anticipated as mining operations will maintain a 300-meter safety buffer around the habitation zones. Controlled Blasting will take place by following DGMS rules and regulations. The relocation will be undertaken in a phased and planned manner, ensuring adherence to all statutory guidelines and best practices for resettlement and rehabilitation.</p> <p>The Relocation site will be selected after discussion with villagers before shifting of habitations and timeline required for resettlement colony is 10 years. These clusters comprise approximately 48 households (18 in Soneraogutta and 30 in Addagutta). Hence the total number of Total Displaced families will be 48.</p> <p>The total number of affected families across the villages of Ramai, Rampur, Yepalaguda, Addagutta, and Soneraopeta is 269. Out of these, land has already been purchased for 200 Project Affected Families (PAFs), while land remains to be purchased for the remaining 69 PAFs.</p> <p>R&R plan has been prepared for relocating the habitations lying within the ML area. The same has been submitted to the District Administration/ Revenue Division on 01.08.2025 with an outlay of Rs. 31.68 crores out of which Rs. 3.35 crores is allotted for Resettlement colony for the above said two habitations. (Detailed R&R Report is submitted). The Relocation site will be selected</p>
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	<p>after discussion with villagers before shifting of habitations and timeline required for resettlement colony is 10 years.</p> <p>Further, the Revenue Divisional Officer, Adilabad, through letter Rc. No. B/284/2021 dated 19.11.2025, advised the management of M/s. Renuka Cement Limited to prepare a comprehensive Action Plan for the Rehabilitation and Resettlement (R&R) of Ramai village, Satnala Mandal. The plan is intended to address infrastructure requirements, public welfare measures, and other associated needs. Accordingly, the Action Plan booklet has been submitted to the District Collector, Adilabad, for review and to seek the kind guidance and suggestions of the District Authorities.</p> <p>The approval for the Rehabilitation and Resettlement (R&R) plan is currently under process. In the interim, mining activities will be undertaken while maintaining a 300-meter safety buffer around the existing habitation areas.</p>
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xv. Court case details:

Court Case, No and its present status	There is no litigation/ court case pending against the project
Undertaking by Project Proponent w.r.t court case	PP has submitted an undertaking pertaining to no litigation/ court case pending against the project vide dated 19.01.2026

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted an Affidavit vide dated 14.05.2025 as per Ministry's OM dated 30.05.2018.
Undertaking by Project Proponent in EIA/EMP report	PP has submitted an undertaking vide letter dated 20.09.2025.
Undertaking by Consultant in EIA/EMP report	EIA-Consultant has submitted an undertaking vide letter dated 20.09.2025.
Plagiarism Certificate	PP has submitted software generated Plagiarism Certificate vide letter dated 20.09.2025.

xvii. EDS/ADS details (If any):

The PP has submitted a reply vide letter dated 04.12.2025 in response to the EDS raised on 24.11.2025:

S. No.	EDS raised by MoEFCC	Reply by Project Proponent
1	<p>The information submitted by the Project Proponent (PP) concerning the Rehabilitation and Resettlement (R&R) and the number of Project Affected Families (PAFs) on the PARIVESH portal and in the EIA-EMP report is inconsistent. A discrepancy has been noted in the number of PAFs reported across the various documents provided by the PP, as outlined below.</p> <p>a). As per paragraph/sl. no. 9 of the Common Application Form (CAF), 0 PAFs have been indicated, whereas paragraph 4.8 of the EIA/EMP report (Rehabilitation & Resettlement section) mentions that 2 habitations within the proposed mine lease area require R&R measures.</p> <p>b). As per paragraph 4.7.1, 48 Project Displaced Families have been indicated.</p> <p>The PP needs to clarify and reconcile this discrepancy by providing the correct and updated details of all the Project Affected Families, PAFs, and an updated R&R plan, along with any supporting documents and details justification, if applicable.</p> <p>The Project Proponent needs to provide the appropriate compliance to the specific ToR condition no (1.1).</p>	<p>The total number of affected families across the villages of Ramai, Rampur, Yepalaguda, Addagutta, and Soneraopeta is 269. Out of these, land has already been purchased for 200 Project Affected Families (PAFs), while land remains to be purchased for the remaining 69 PAFs.</p> <p>Two habitation clusters—Soneraogutta and Addagutta—fall within the proposed mining lease area and form part of Ramai village. These clusters comprise approximately 48 households (18 in Soneraogutta and 30 in Addagutta). Hence the total number of Total Displaced families will be 48.</p> <p>The details related to Rehabilitation and Resettlement (R&R), including the number of Project Displaced Families (PDFs) and Project Affected Families (PAFs), have been corrected and updated in the Common Application Form (CAF) of Parivesh Portal (Online Application) to ensure consistency with the EIA–EMP Report.</p> <p>As per the directions of MoEFCC and in compliance with Specific ToR Condition No. 1,</p> <p>“The Project Proponent needs to explore all options for relocating the habitation lying within the ML area. Report regarding the same should be submitted”</p> <p>PP has submitted the following:</p> <p>Two habitation clusters—Soneraogutta and Addagutta—fall within the proposed mining lease area and form part of Ramai village. These clusters comprise approximately 48 households (18 in Soneraogutta and 30 in Addagutta). At</p>

present, no displacement is anticipated as mining operations will maintain a 300-meter safety buffer around the habitation zones. Controlled Blasting will take place by following DGMS rules and regulations. The relocation will be undertaken in a phased and planned manner, ensuring adherence to all statutory guidelines and best practices for resettlement and rehabilitation.

As per the directions of MOEFCC and in compliance with specific ToR condition, R&R plan has been prepared for relocating the habitations lying within the ML area. The same has been submitted to the District Administration/ Revenue Division on 01.08.2025 with an outlay of Rs. 31.68 crores out of which Rs. 3.35 crores are allotted for Resettlement colony for the above said two habitations. (Detailed R&R Report same submitted). The Relocation site will be selected after discussion with villagers before shifting of habitations and timeline required for resettlement colony is 10 years.

Further, the Revenue Divisional Officer, Adilabad, through letter Rc. No. B/284/2021 dated 19.11.2025 (same submitted), advised the management of M/s. Renuka Cement Limited to prepare a comprehensive Action Plan for the Rehabilitation and Resettlement (R&R) of Ramai village, Satnala Mandal. The plan is intended to address infrastructure requirements, public welfare measures, and other associated needs. Accordingly, the Action Plan booklet has been submitted to the District Collector, Adilabad, for review and to seek the kind guidance and suggestions of the District Authorities.

The approval for the Rehabilitation and Resettlement (R&R) plan is currently under process. In the interim, mining activities will be undertaken while

		<p>maintaining a 300-meter safety buffer around the existing habitation areas.</p>
<p>2</p>	<p>PP needs to submit the NOC for mining with regard to the Sathnala Left Bank Canal Passing through the ML area from Irrigation department/ water resources department in compliance of specific ToR condition no. 1.3. The PP needs to submit the latest status/reply received from irrigation department in response to PP's letters dated 31.12.2024 and 05.05.2025</p>	<p>As per the directions of MoEFCC and in compliance with Specific ToR Condition No. 1.3, PP has submitted the following:</p> <p>The Sathnala Left Bank Canal traverses the proposed Mining Lease (ML) area from east to west for a length of approximately 3.28 km, corresponding to Chainage CH 139 (2.78 km) to CH 303 (6.06 km) of the Left Main Canal. During mining operations, RCL will ensure that the canal remains undisturbed. A 50-m safety buffer zone on either side of the canal will be strictly maintained, and a greenbelt will be developed within this buffer. No water from mining operations will be discharged into any natural drainage systems surrounding the ML boundary. Further, garland drains will be constructed along the advancing pit boundaries to ensure proper stormwater management.</p> <p>To comply with the ToR requirement, RCL has approached the Superintending Engineer, Irrigation Circle, Telangana, seeking issuance of a No Objection Certificate (NOC) for undertaking mining activities while maintaining a 50-m buffer on both sides of the canal. Accordingly, letters were submitted on 31.12.2024 and 05.05.2025 to the Superintending Engineer, Irrigation, Sathnala Project, requesting the NOC to utilize the balance area for mining operations, leaving a 50-m safety zone on either side of the canal passing through Sy. Nos. 20, 27, and 30 of Ramai Village, Adilabad Rural Mandal, Adilabad District.</p> <p>Further, the Executive Engineer, Irrigation Division No. 02, Adilabad, Irrigation & CAD Department, Government of Telangana vide Lr. No. EE/ID2/ADB/218/M dated 16.10.2025,</p>

		has issued a NOC permitting mining activity while maintaining the required 50-m safety buffer on either side of the canal. A copy of the NOC was submitted.
3	PP has submitted in EIA-EMP report (Page no. 174) that out of 334.21ha land, 268.802 ha has already been purchased. PP needs to clarify that whether they have purchased whole land or have consent of landowners for the land that is included in the first five-year mining plan period	<p>As indicated in the EIA-EMP Report (Page 174), the total area of the mining leases is 334.21 ha. Out of this 320.92 ha is private land and balance 13.29 ha is Govt. land.</p> <p>Out of this 320.92 ha private land about 208.51 ha is already acquired and balance 112.40 ha is yet to be acquired. The copies of the Land Acquisition Award approved by the District Collector, Adilabad submitted.</p> <p>M/s. Renuka Cement Limited (RCL) confirms for the first five-year Mining Plan period, the proposed mining operations are confined only to the area that is already purchased. No mining activity is planned in any land parcels that are yet to be acquired. The map showing the same and Production in the first 5 years of the Mining Plan same was submitted.</p>
4	PP needs to clarify whether impact of transportation study as per Indian Road Congress Guidelines has been conducted in compliance of Standard Terms of Reference (ToR) condition no. 37	<p>In compliance with Standard ToR Condition No. 37, the impact of transportation study as per Indian Roads Congress (IRC) Guidelines has been carried out only for the cement plant and not for the mining project, as the mining operations do not involve any public-road-based transportation. Consequently, the external traffic impact for the mining project is not applicable.</p> <p>The limestone extracted from the mine will be transported by dumpers to the cement plant situated adjacent to the mining area.</p> <p>The transportation of limestone to the cement plant involves only crossing of the small village road where no public movement is noticed.</p>

		<p>Transportation of limestone from the working face to the crusher will be through 30-ton tippers. Initially, mining will commence near the cement plant at a distance of about 300 m, and as mining progresses, the maximum hauling distance will gradually increase to 1.5 km. Since all limestone transportation from the mine to the crusher is entirely internal, no movement will occur on public roads and therefore no additional external traffic will be generated hence the impact on traffic is not envisaged.</p>
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EDS

S. No	EDS Point	Reply by Project Proponent
<p>The PP has submitted a reply vide letter dated 15.11.2025 in response to the EDS raised on 04.08.2025.</p>		
1.	PP needs to submit a legible copy of lease deed	A legible copy of the Lease deed was submitted
2.	PP needs to submit the compliance of Ministry's OM dated 24.12.2010 with respect interlinked/integrated project.	<p>RCL proposes to Ramai Limestone Mine by M/s. Renuka Cement Limited for Limestone production capacity of 1.80 Million Tonnes Per Annum (MTPA) over an area of 334.21 Ha, located at Ramai Village, Adilabad (Mandal), Adilabad (District), Telangana State. The primary raw material for the plant is limestone, with an annual requirement of 1.8 MTPA, to be sourced from the subject limestone mining lease located adjacent to the plant site. The mining operation is an interlinked project with the cement plant, and Environmental Clearance (EC) for both the mine and the plant is being pursued concurrently.</p> <p>As per the MoEF&CC Office Memorandum dated 24.12.2010, interlinked projects are required to be appraised together through a common EIA/EMP report to ensure cumulative environmental impacts are comprehensively assessed. In the present case, the proposed Limestone Mine (334.21 ha) and its interlinked Cement Plant (45.73 Ha) constitute a single integrated project. Accordingly, RCL has prepared and submitted a common EIA/EMP report covering both components for appraisal, in compliance with the above OM.</p>

		S.No	Condition	Compliance
		1	<p>Integrated and inter-linked projects having multi sectoral components shall prepare a common EIA report, covering impact of each of the component in a comprehensive manner after obtaining TORS from each of the respective sectoral Expert Appraisal Committees (EACs). For the purpose, the project proponent shall submit applications to each of the sector simultaneously giving full details of the project (comprehensively for the integrated / interlinked projects as also for the particular component, sector specific) in the prescribed format (Form-1) and the pre-feasibility report.</p>	<p>The project comprises a Limestone Mine (Mining Sector) and an interlinked Cement Plant (Industry Sector). A common EIA/EMP report covering both components comprehensively has been prepared. Applications with Form-1, PFR, and supporting documents were submitted simultaneously to the concerned sectoral EACs, and ToRs were obtained accordingly. Draft EIA reports were submitted to SPCB, and Public Hearings were conducted on 20.03.2025 at 10:30 AM for the Cement Plant and 02:00 PM for the Limestone Mine.</p> <p>EC applications were submitted separately</p> <p>i. Limestone Mine Proposal No. IA/TG/IND1/537456/2025 dated 02.08.2025 (Non-Coal Mining Sector) and</p> <p>ii. Cement Plant Proposal No. IA/TG/IND1/537456/2025 dated 02.08.2025 (Industry – 1 Sector)</p>
		2	<p>The respective sectoral Expert Appraisal Committees will consider the</p>	<p>Noted. The ToRs prescribed by the respective EACs have been complied with</p>

			<p>project with specific emphasis on their respective sectors and prescribe the TORs which will not be limited to the sector but would also encompass the entire project as a whole.</p>	
		3	<p>The proponent shall prepare a common EIA report covering all the sectors comprehensively and hold public hearing based on the EIA report so prepared, for each component as per provision of EIA Notification, 2006.</p>	<p>A common EIA/EMP report has been prepared covering both the Limestone Mine and Cement Plant the comprehensively. Public Hearings were conducted on 20.03.2025 at 02:00 PM for the Limestone Mine and 10:30 AM for the Cement Plant, in line with EIA Notification, 2006.</p>
		4	<p>After the EIA report has been prepared and public hearing has been held, the proposals for environmental clearance in respect of all the sectoral components of the project shall be submitted simultaneously.</p>	<p>A common EIA/EMP report has been prepared covering both the Limestone Mine and the Cement Plant, and Public Hearings have been conducted on 20.03.2025. Accordingly, proposals for Environmental Clearance of both components have been submitted simultaneously, in compliance with OM dated 24.12.2010.</p> <p>EC applications were submitted separately</p>

			<p>iii. Limestone Mine Proposal No. IA/TG/IND1/538155/2025 dated 04.08.2025 (Non-Coal Mining Sector) and</p> <p>iv. Cement Plant Proposal No. IA/TG/IND1/537456/2025 dated 02.08.2025 (Industry – 1 Sector)</p>
5	<p>The respective EACs will consider the sector specific proposals based on the common EIA report and will make their recommendations relating to that particular component. However, in doing so, the overall impact of the project as a whole will also be considered.</p>	Noted and will be complied with	
6	<p>After the proposals relating to the various components have been considered by the respective EACs and their recommendations made, these proposals will be processed on individual files for obtaining</p>	Noted and will be complied with	

		simultaneous approval of the Competent Authority.
3.	PP needs to submit authenticated list of flora and fauna as per Wild Life Amendment Act 2022	The authenticated list of flora and fauna has been issued by the District Forest Officer, Adilabad, vide letter dated 15.10.2025 and same submitted.
4.	PP need to submit a undertaking w.r.t no court cases in this project.	Renuka Cement Limited confirms that there are no court cases pertaining to the Ramai Limestone Mine of M/s. Renuka Cement Limited, located at Ramai Village, Adilabad (Mandal & District), Telangana State (Mining Lease Area: 334.21 Ha). An Affidavit-cum-Undertaking to this effect was submitted.
5.	PP needs to submit a certificate with respect to no forestland involvement in this project.	A certificate confirming that no forest land is involved in the project area has been issued by the Divisional Forest Officer, Adilabad, Government of Telangana Forest Department, vide Letter No. RC No. 121/2025/S10 dated 18.07.2025. The same was submitted
6.	PP needs to submit a letter/map from State Forest Department regarding the presence of National Park, Wildlife Sanctuary, Biosphere Reserve/ESZ/ES A Tiger Corridor, Elephant corridor within 10 km radius from the ML boundary	There is no National Parks, Sanctuaries, Biosphere Reserves, Migratory corridors of wild animals exist within 10 km radius from the ML boundary of Ramai Limestone Mine (334.21 ha) and the same confirmed by the District Forest Officer, Adilabad, Government of Telangana Forest Department, vide Letter No. RC No. 120/2025/S10 dated 18.07.2025. The same was submitted

xviii. Details of the Environmental Management Plan (EMP):

Activity	Mitigation Measures	Budget (Rs. Lakhs)	
		Capital Cost	Recurring Cost per annum
Land Clearing	Minimize clearing area Develop greenbelt	10	-
Drilling and Blasting	<ul style="list-style-type: none"> • Water Sprinkling • Blast during off- peak hours • Controlled blasting 	16	4.0
Excavation	<ul style="list-style-type: none"> • Construct retaining walls • Reuse topsoil for land reclamation 	10	1.5
Transportation	<ul style="list-style-type: none"> • To cover trucks with Tarpaulin • Maintain Vehicles regularly • Design proper haul roads 	2.5	1.0
Water Management	<ul style="list-style-type: none"> • No Ground water intersection • 6 KLD Modular STP • To monitor water quality • Rainwater water Harvesting measures 	10.0	2.0
Greenbelt Development	To develop a greenbelt in 7.5m buffer zones and other safety zone Maintain trees with native species	350	5
Environmental Monitoring Plan	Establish a comprehensive monitoring system for air, water, and soil quality; conduct regular audits and report findings -	-	-
	Three No's of CAAQMS (Continuous Ambient Air Quality Monitoring Station)	150	30
	Third Party Ambient Air Quality Monitoring	-	3.0
	Soil Quality	-	0.50
	Water Quality	-	0.50
	Noise	-	0.20
	Health Check up	-	2.45
Grand Total		548.5	50.15

xix. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Capital Cost of EMP: 5.485 Crores Public hearing: Rs. 1.0 Crores
Project Cost	30.0 Crores
Employment (No.s)	68

3. Observation and Recommendation of the Committee:

The instant proposal is for Environmental Clearance of Ramai Limestone Mine for mining of limestone with production capacity of 1.8MTPA in the ML area of 334.21ha by M/s Renuka Cement Limited located at Village Ramai, Mandal Adilabad, District Adilabad, Telangana.

The Project Proponent/Consultant presented the proposal for Environmental Clearance through a KML file and explained the key site features, including Jamuldhari village located at a distance of 0.8 km in the south-west direction, Addagutta and Sonerao Gutta habitations located within the mining lease area, and the major road connecting Adilabad–Kanpa. Ramai village is located at a distance of 0.73 km in the east-north-east (ENE) direction, and the process units are proposed to be located at a distance of 750 m from the village.

The PP has submitted that the mining lease was initially granted in favour of M/s Zenith Steel Pipes and Industries Limited vide G.O.Ms. No. 204, Industries & Commerce (M.III) Department, dated 02.12.1995, for an area of 636.580 ha, for the lease period from 29.01.1996 to 28.01.2016. Subsequently, the mining lease was transferred in favour of M/s Birla Cement & Industries Limited vide G.O.Ms. No. 261, Industries & Commerce (M.III) Department, dated 30.07.1998, for the same lease area and lease period.

Thereafter, the name of the lessee was changed from M/s Birla Cement & Industries Limited to M/s Renuka Cement Limited. The mining lease period was further extended to 50 years in accordance with Section 8A(3) of the Mines and Minerals (Development and Regulation) Amendment Act, 2016 vide G.O.Ms. No. 40 dated 10.07.2017, for a reduced lease area of 334.21 ha, with lease validity from 29.01.1996 to 28.01.2046. Subsequently, extension of time for execution of the fresh lease deed was granted vide DMG Memo No. 34785/R3-3/2011 dated 28.05.2018 for the mining lease area of 334.21 ha. The lease deed was thereafter executed vide Proceedings of the Assistant Director of Mines & Geology (ADMG), Mancherial, Proc. No. 790/ML/2017 dated 14.06.2018 for the lease period from 29.01.1996 to 28.01.2046..

The PP informed that the total mining lease area is 334.21 ha, out of which 320.92 ha is private land and the remaining 13.29 ha is Government land. Out of the 320.92 ha of private land, about 208.51 ha has already been acquired, while 112.40 ha is yet to be acquired. Copies of the Land Acquisition Award approved by the District Collector, Adilabad have been submitted. The PP has also stated that M/s. Renuka Cement Limited (RCL) confirms for the first five-year Mining Plan period, the proposed mining operations are confined only to the area that is already purchased. No mining activity is planned in any land parcels that are yet to be acquired.

PP has submitted that the Mining Plan has been approved by the Indian Bureau of Mines vide Letter No. AP/ADB/MP/Lst-3/Hyd dated 19.07.2024, covering the period from 2021–22 to 2025–26, for the mining lease area measuring 334.21 ha.

The Project Proponent submitted that letters dated 31.12.2024 and 05.05.2025 were addressed to the Superintending Engineer, Irrigation, Sathnala Project, seeking a No Objection Certificate (NOC) for utilization of the balance area for mining operations after maintaining a 50 m safety buffer on either side of the canal passing

through Sy. Nos. 20, 27, and 30 of Ramai Village, Adilabad Rural Mandal, Adilabad District.

It was informed that the Sathnala Left Bank Canal traverses the proposed mining lease area from east to west over a length of approximately 3.28 km, corresponding to Chainage CH 139 (2.78 km) to CH 303 (6.06 km) of the Left Main Canal. During mining operations, the PP has committed that the canal will remain undisturbed by strictly maintaining the prescribed 50 m safety barrier on either side, within which a greenbelt will be developed.

The PP further informed that no mine water will be discharged into the surrounding natural drainage systems, and garland drains will be constructed along the pit boundaries for effective stormwater management.

Subsequently, the Executive Engineer, Irrigation Division No. 02, Adilabad, Irrigation & CAD Department, Government of Telangana, vide Letter No. EE/ID2/ADB/218/M dated 16.10.2025, has issued the NOC permitting mining operations, subject to maintenance of the stipulated 50 m safety buffer on either side of the canal.

The PP further stated that the groundwater table is deep-seated and is not expected to be intersected during the proposed mining operations. Limestone mining is proposed up to a depth of 14 m below ground level (316 m RL) during the plan period and up to 40 m below ground level (290 m RL) over the life of the mine. Accordingly, the groundwater table will not be intersected at any stage of mining operations.

The Project Proponent submitted that the Ramai Limestone Mine (334.21 ha; 1.80 MTPA) proposed by M/s Renuka Cement Limited at Ramai Village, Adilabad District, Telangana, is an interlinked project with the proposed cement plant, for which Environmental Clearance (EC) is being pursued concurrently. In accordance with the Office Memorandum dated 24.12.2010 issued by the Ministry of Environment, Forest and Climate Change, a common EIA/EMP report covering both the limestone mine and the cement plant has been prepared and submitted for appraisal.

The Public Hearings for the projects were conducted on 20.03.2025. Subsequently, separate EC applications were submitted for appraisal under different sectors, namely:

- Limestone Mine: Proposal No. IA/TG/IND1/537456/2025 (Non-Coal Mining Sector)
- Cement Plant: Proposal No. IA/TG/IND1/537457/2025 (Industry-1 Sector)

Both proposals were submitted on 02.08.2025.

The PP has submitted a certificate issued by the Telangana Forest Department, vide Letter No. RC No. 120/2025/S10 dated 18.07.2025, stating that the mining lease area lies outside any Reserved Forest. The certificate further confirms that no National Parks, Wildlife Sanctuaries, Biosphere Reserves, or migratory corridors of wild animals exist within a 10 km radius of the mining lease boundary of the Ramai Limestone Mine (334.21 ha). The PP has also informed that no Tiger Reserves are

located within the study area. The nearest tiger reserve is Kawal Tiger Reserve, which is situated at a distance of approximately 23.83 km to the south of the mining lease boundary.

The PP has prepared and submitted a Wildlife Conservation Plan in accordance with the provisions of the Wildlife (Protection) Act, 1972 (as amended in 2022). The plan includes conservation measures for Schedule-I species such as Grey Mongoose, Bonnet Macaque, Jungle Cat, Russell's Viper, Indian Cobra, Indian Rat Snake, Bengal Monitor Lizard, and Indian Peafowl. An authenticated list of flora and fauna within the study area has been issued by the District Forest Officer, Adilabad, vide letter dated 15.10.2025.

PP has collected the Baseline data on various environmental components for studying the existing baseline quality of the study area during Post monsoon Season 2024 covering the months of October, 2024 to December, 2024. The study area considered for baseline study covers a 10 km radius of the proposed project area (Greenfield Cement Plant with Captive Power Plants) near Ramai Village, Adilabad (Mandal & District), Telangana State.

The Project Proponent informed that a total of 269 families across Ramai, Rampur, Yepalaguda, Addagutta, and Soneraopeta villages are identified as Project Affected Families (PAFs). Out of these, land has already been purchased for 200 PAFs, while land acquisition for the remaining 69 PAFs is currently under progress.

Two habitation clusters, namely Soneraogutta (18 households) and Addagutta (30 households), located within the proposed mining lease area and forming part of Ramai village, comprise 48 households and have been identified as potentially displaced families. However, at present no displacement is proposed, as the Project Proponent has committed to maintaining a 300 m safety buffer around the habitation areas, and controlled blasting will be undertaken strictly in accordance with the guidelines of the Directorate General of Mines Safety (DGMS).

The Project Proponent further submitted that relocation, if required in future, will be carried out in a phased and planned manner, in compliance with applicable statutory provisions and established Resettlement and Rehabilitation (R&R) best practices. The R&R Plan has been submitted to the District Administration/Revenue Division on 01.08.2025, with a total estimated outlay of ₹31.68 crore, which includes ₹3.35 crore earmarked for the development of a resettlement colony for the above-mentioned habitation clusters. Approval of the R&R Plan is currently under process. In the interim period, mining operations will continue while maintaining the stipulated 300 m safety buffer around the existing habitation areas.

The Project Proponent informed that a Transportation Impact Study, in accordance with the guidelines of the Indian Roads Congress (IRC), has been carried out only for the proposed cement plant, and not for the mining project. The PP clarified that mining operations will not involve transportation on public roads, and therefore external traffic impact attributable to the mining project is not applicable.

Limestone extracted from the mine will be transported internally by dumpers/tippers to the adjacent cement plant within the project premises. PP also informed that the

movement involves only crossing a village road, where negligible public traffic is observed. Transportation from the working face to the crusher will be carried out using 30-tonne tippers. Mining operations will initially commence at a distance of approximately 300 m from the cement plant, and with progressive advancement of mining operations, the maximum internal haulage distance may increase up to about 1.5 km. Since all limestone transportation will be confined within the project premises and will not utilize public roads, no additional external traffic generation was anticipated due to the mining project.

The PP has submitted an undertaking stating that no litigation or court case is pending against the project, vide letter dated 19.01.2026. Further, an affidavit dated 14.05.2025 has been submitted in compliance with the Ministry's OM dated 30.05.2018.

PP has informed that the Public Hearing (PH) was conducted in accordance with the provisions of the EIA Notification, 2006. The public hearing advertisement was published on 18.02.2025 in the newspapers "Sakshi" (Telugu) and "Hans India" (English).

The Public Hearing was conducted on 20.03.2025 at a venue near the proposed project site. The hearing was chaired by the Additional District Collector & Additional District Magistrate, in the presence of officials from the Telangana State Pollution Control Board, including the Environmental Engineer from the Regional Office, along with the Revenue Divisional Officer, Adilabad. Approximately 135 persons attended the Public Hearing. Based on the issues raised during the Public Hearing, the Project Proponent has proposed a budget for implementation of activities addressing the concerns of the local communities over a period of three years.

The PP has proposed an amount of ₹ 5.485 Crores as capital expenditure for the implementation of the Environmental Management Plan (EMP).

During deliberations, the Committee expressed concerns regarding nearby mining activities in the vicinity of the seasonal nallah passing through the mining lease area. In this regard, the Committee advised the Project Proponent to undertake appropriate safeguards to ensure protection of the natural drainage system. Further, the Committee opined not to permit mining activities in the small blocks located in close proximity to the stream/nallah within the mining lease area, and advised the Project Proponent to carry out a cost-benefit analysis for leaving these areas unmined in order to protect the drainage system..

The Committee further directed that the available topsoil within the mining lease area shall be properly stacked and preserved. The Project Proponent was also advised to consult the Village Panchayat for the potential use of the stored topsoil by villagers, wherever feasible. It was further directed that the existing cart road located within the mining lease area shall be protected and maintained until the completion of the Rehabilitation and Resettlement (R&R) activities.

The Committee emphasized that the PP shall ensure that emissions from all sources, including material handling and transportation between the cement plant and the existing mining lease area, are controlled to the minimum possible level through appropriate mitigation measures.

The Committee also noted from the Mine Lease documents issued by the Industries and Commerce Department, Government of Telangana (letter dated 13.06.2023) that M/s Renuka Cement Limited is required to establish the cement plant within 24 months from the date of issuance of the lease-related order. Further, the Department of Mines and Geology, Telangana, vide letter No. 790/ML/2017 dated 02.06.2025, informed that an extension of 12 months may be granted to the Project Proponent for establishment of the cement plant. The Project Proponent informed the Committee that they are pursuing the matter with the State authorities for obtaining an extension of the timeline for establishing the cement plant.

The Committee emphasized that the Project Proponent shall obtain and submit the necessary Mine Lease-related documents from the State authorities, including confirmation regarding the extension of timeline for establishment of the cement plant.

PP informed that the Indian Bureau of Mines (IBM), Hyderabad on 09.02.2026 asked DMG regarding status of Renuka Cement Mining lease at the time of approval of review of Mining plan period from 2026-27 to 2030-31. Thereafter, DMG replied to IBM vide letter dated 25.02.2026, wherein it stated that, DMG has submitted proposal to the Government of Telangana on 07.02.2026 for extension of 12 months period for establishment of cement plant and revival of mining operations.

It was further informed by PP that the budget earmarked for the Public Hearing Action Plan has been revised from ₹56.50 lakh to ₹1.00 crore, to be implemented over a period of three (3) years. The PP assured that, within the total Mining Lease area, wherever topsoil is generated during mining operations, the same shall be carefully removed, stacked separately, and scientifically preserved. The preserved topsoil shall be utilized for afforestation/greenbelt development within the 7.5 m statutory safety barrier, buffer zone areas, and other designated plantation areas within the Mining Lease area.

PP also informed that the Environmental Management Plan (EMP) budget has also been revised, including provisions for installation of three (3) Continuous Ambient Air Quality Monitoring Stations (CAAQMS) and a Modular Sewage Treatment Plant (STP). Accordingly, the capital expenditure has been revised from ₹424.50 lakh to ₹548.50 lakh, and the recurring expenditure has been revised from ₹20.15 lakh per annum to ₹50.15 lakh per annum.

EAC suggested that the existing cart track road proposed for limestone transportation should be suitably widened and strengthened prior to commencement of transportation activities. The road should be developed with adequate width, proper compaction, and strengthening measures to ensure safe and smooth movement of vehicles.

EAC also opined that mining operations should be avoided, to the extent practicable, in the area measuring approximately 7.5 ha located near the canal within the Mining Lease area. Necessary precautionary measures will be adopted to safeguard the canal. Further, a detailed study on blasting impacts, including vibration analysis and assessment of potential effects on the canal structure, should be carried out, and the findings to be submitted to the competent authority after the mine is commissioned.

EAC also opined that PP should provide adequate wheel washing facility at the site exit to prevent the carryover of mud and dust onto public roads. The facility will be properly designed, installed, and maintained to ensure effective cleaning of vehicle tyres before exiting the Mining Lease area. Compliance details will be submitted to the competent authority.

The Committee also asked the PP to explore other mining technologies, such as highwall mining, for this project.

In view of the above, the Committee **deferred** the proposal and asked to submit the following requisite information:

- i. The Project Proponent (PP) shall submit a copy of the revised Mine Lease Deed/ or a letter issued by the State Government authorities, along with documentary evidence regarding the extension of time granted for establishment of the cement plant.
- ii. Project Proponent needs to obtain the highest flood level (HFL) data for the seasonal nallah passing through the ML area from State Water Resource Department/ Irrigation Department. No mining shall be planned within the HFL of the nallah. Appropriate protective mitigation measures should be planned in consultation with State Water Resource Department and SPCB.
- iii. Project Proponent needs to revise the 1st five year working plan by excluding mining block situated in close proximity to the seasonal stream/nallah and canal, as suggested by EAC during the meeting. Project Proponent can submit the detailed cost–benefit in case mining in small block, located near the stream/nallah, is not allowed.
- iv. The Project Proponent (PP) shall submit a comprehensive Topsoil Management Plan indicating the quantity of topsoil available, designated stacking locations within the Mining Lease (ML) area, and its proposed utilization for afforestation and greenbelt development within the 7.5 m statutory safety barrier, buffer zone, and other designated plantation areas of the ML area. Project Proponent needs to consult the concerned Village Panchayat regarding use of topsoil by villagers and proposed distribution mechanism, if required.
- v. Project Proponent needs to submit the cart road protection plan indicating the location of the existing cart road within the ML area.
- vi. Project Proponent needs to submit the comprehensive air pollution management plan covering emissions from all sources including mining operations, crushing, handling, and transportation between the cement plant and the existing ML area, with detailed dust suppression and emission control measures.
- vii. The Project Proponent shall submit a protection plan for safeguarding the temple located within the Mining Lease (ML) area.
- viii. Project Proponent need to submit a plan showing the traffic movement from mines to cement plant. Structures, flyovers, underpass etc. should be planned so as to ensure that there is no trouble to villagers in using the village road.

- ix. Project Proponent needs to consult State Irrigation Department regarding Sathnala Dam Reservoir & structures and suggestions from Irrigation department can be sought regarding possible impact of mining operations on the dam structures.
- x. Project Proponent may explore other mining technologies, such as highwall mining, for this project for ensuring mineral conservation and pit safety.
- xi. The Project Proponent needs to plan for constructing Oil & Grease trap facility along with wheel washing facility at a suitable location within the ML area, which shall be properly designed, installed, and maintained to ensure effective cleaning of vehicle tyres before exiting the Mining Lease area.

1.6 Panandhro Extension Lignite & Limestone Mine with production capacity of 25.24 MTPA of limestone in the ML area of 997.5236 Ha by M/s Gujarat Mineral Development Corporation Ltd. (GMDC) located at Village Baiyavo, Punrajpur & Fulra, Taluka Lakhpat, District Kachchh, Gujarat – Terms of Reference reg.

[Online Proposal No. IA/GJ/MIN/505289/2024, File No. IA-J-11015/5/2025-IA-II (NCM), Consultant: Vardan Environet LLP]

The proposal is for Term of Reference (ToR) of Proposed Panandhro Extension Lignite & Limestone Mine with production capacity of 25.24 MTPA in the ML area of 997.5236 Ha by M/s Gujarat Mineral Development Corporation Ltd. (GMDC) located at Village Baiyavo, Punrajpur & Fulra, Taluka Lakhpat, District Kachchh, Gujarat

2. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	Panandhro Extension Lignite & Limestone Block Mine Lease area of 997.5236 Ha Production Capacity of 25.24 MTPA Limestone by M/S Gujarat Mineral Development Corporation Limited.	
Location	Village	Baiyavo, Punrajpur & Fulra
	Tehsil/Taluka	Lakhpat,
	District	Kachchh,
	State / UT	Gujarat
	Latitudes	23°43'3.1630" N E 23°45'0.0494" N
	Longitudes	68°44'46.2893" E 68°47'29.7895" E
	Sol Topo sheet No.	41 A/09, 41 A/10, 41 A/13 and 41 A/14.

Company's Name	M/s Gujarat Mineral Development Corporation Limited
Accredited Consultant and certificate no. and Validity	NABET/EIA/2326/RA0284_Rev.01 Valid 04 May 2026
KML file	Attached
Seismic zone	Zone – V

ii. Category details:

Category of the project	A.
Schedule No.	1(a) Mining of minerals
Mining lease Area (MLA) (in ha.)	Mine Lease area of 997.5236 Ha
General Conditions (if any)	No

iii. Details of Mine Lease in chronological manner:

S.no	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1.	LOI (Order No. MCR-102022-1203-CHH)	02.03.2023	Major Mineral (Limestone & Lignite)	50 Years	Industries of Mines Department, Government of Gujarat	1007.1533
2.	Corrigendum was issued by Govt. of Gujarat vide letter no MCR/102022/1203/CHH1	21.06.2024	Major Mineral (Limestone & Lignite)	50 Years	Industries of Mines Department, Government of Gujarat	997.5236 ha

S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1.	Order no MCR/102022/1203/CHH1	23.06.2025	22.06.2075	Major Mineral (Limestone & Lignite)	997.5236 ha

iv. Land Use/Land Cover of the Mine Lease Area:

Private land	313.7582 ha
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Government land	683.7654 ha
Forest land	-
Total Mining lease area (MLA), ha	997.5236 ha
Private land for crusher, workshop & other infrastructure outside the MLA	-
Additional information (if any)	-

v. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	MCDR-MPCP0CaFI/28/2024-GNRIBM_RO_GNR MP-587
	Date	05.12.2024
	Mineral & (Major/Minor)	Limestone – Major
	Mine Lease Area, Ha	Project area 879.3766
	Validity	5 Years
Additional information (if any)	Lignite Mining Plan has been approved by Ministry of Coal vide Application Panandhro Extension Lignite Mine GJGU011/APP00286/2023 dt- 23.07.2024.	
Mining Parameters	Quantitative Description	
Method of Mining	Opencast mining	
Drilling/Blasting	No drilling & blasting.	
Geological Reserves	395.95 MT	
Mineable Reserves	216.57 MT	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	647.81 ha	
Life of mine	29 years as per PP based on reserves & proposed EC capacity	
Mine Bench Height & Bench Width	5 meter & 10 m	
No. of Mine Benches		
Existing Depth, m bgl	-	
Ultimate Depth of Mining, m bgl	Min 66 m Max: 125 m	
Ground Water Table, m bgl	2 m to 13m	
Details of ground water intersection	Yes	
Individual bench slope	60° Individual Bench slope for limestone	
Overall pit slope	26°-Ultimate pit slope	

Details of existing/ proposed Crusher	Not Applicable
Mineral Beneficiation	Not Applicable
RoM output size	Not Applicable
Transportation details including capacity of dumper/tipper, mode of transport and distance	The excavated limestone will be heaped by a dozer and subsequently loaded onto 60 T / 35 T RDTs for transportation to the designated mineral stockyards.
Generation of Topsoil/OB & its Management during plan period & conceptual period	Top Soil :12.65 mcum Overburden: 1461.41 mcum
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	Total Overburden quantity excluding Limestone is 1461.41 Mcum. The overburden, generated during the mining process shall be utilized for backfilling of the mined-out voids. Topsoil generated during the mining process will be spread over the backfilled areas to make it suitable for plantation and agricultural and supports the environmental sustainability of the mining operations.
Additional information(if any)	

vi. Water requirement:

Total water requirement	Total water requirement for the project is 1517 KLD.	Fresh water	50 KLD
		Dewatering water	1067 M3/day
		Mine pit rain water	400 M3/day
Source	Drinking and domestic use: Proposed bore well. Other uses: Pit dewatering water		
Permission for withdrawal/ intersection along with details of grant and its validity	CGWA Permission is under process and shall be obtained well before GW withdrawal.		
Additional information (if any)	-		

vii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	Panandhro Baiyavo	~ 4.0 km m in SSW Direction ~0.6 km in WNW direction
Highway	NH-754K (SH-42) SH-6	~ 3.4 Km in East ~4.7 km, North

Interstate Boundary	India-Pakistan International Boundary	24.5 km in N direction. (Aerial distance)																																									
Railway Station/Railway line	Naliya Bhuj	Approx. 61 km SE Approx. 120 km SE																																									
Water Bodies	<p>Following water bodies are present within the lease area:</p> <ul style="list-style-type: none"> ➤ Pond within lease Area. ➤ A Seasonal tributary of Kali River within lease area. <p>Following water bodies are present outside the lease area:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Korawadi Nadi</td> <td>~2.9 km</td> <td>S</td> </tr> <tr> <td>2</td> <td>Kori Creek</td> <td>~ 9.2 km</td> <td>N</td> </tr> </tbody> </table>			S. No.	Name	Distance	Direction	1	Korawadi Nadi	~2.9 km	S	2	Kori Creek	~ 9.2 km	N																												
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Forest	<table border="1"> <thead> <tr> <th>S.No.</th> <th>Forests Type</th> <th>Distance in Km</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PranparRekhal Reserve forest</td> <td>Adjacent</td> <td>East</td> </tr> <tr> <td>2</td> <td>Akri Reserve forest</td> <td>~3.1</td> <td>SE</td> </tr> <tr> <td>3</td> <td>Mudhvay Reserve forest</td> <td>~4.0</td> <td>WSW</td> </tr> <tr> <td>4</td> <td>Ukher reserve forest</td> <td>~4.9</td> <td>East</td> </tr> <tr> <td>5</td> <td>Khanot Reserve forest</td> <td>~5.0</td> <td>SSE</td> </tr> <tr> <td>6</td> <td>Gauduli reserve forest</td> <td>~7.3</td> <td>East</td> </tr> <tr> <td>7</td> <td>Naredi Reserve forest</td> <td>~7.8</td> <td>SW</td> </tr> <tr> <td>8</td> <td>Kaniari Reserve forest</td> <td>~7.1</td> <td>SSE</td> </tr> <tr> <td>9</td> <td>Kaiyari Reserve forest</td> <td>~9.3</td> <td>WSW</td> </tr> </tbody> </table>			S.No.	Forests Type	Distance in Km	Direction	1	PranparRekhal Reserve forest	Adjacent	East	2	Akri Reserve forest	~3.1	SE	3	Mudhvay Reserve forest	~4.0	WSW	4	Ukher reserve forest	~4.9	East	5	Khanot Reserve forest	~5.0	SSE	6	Gauduli reserve forest	~7.3	East	7	Naredi Reserve forest	~7.8	SW	8	Kaniari Reserve forest	~7.1	SSE	9	Kaiyari Reserve forest	~9.3	WSW
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Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	--
National Park	No	--
Wildlife Sanctuary	Yes	Narayan Sarovar 5.0 km in the southern direction.

Elephant/Tiger Reserve	No	-
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	Yes	ESZ is 4.4 km in the southern direction from the block boundary.
Coastal Regulation Zone (CRZ)	No	Not Applicable
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	12 mammals, 08 reptiles and 13 species of avifauna in the study area.
Wildlife Conservation Plan	Yes	Site Specific Wildlife Conservation Plan has been approved by PCC Gandhinagar vide letter WLP/C/32/810-812/2024-25 on date 26.11.2024. Supplementary Site-Specific Wildlife Conservation Plan for the Indian G Wolf and Caracal has been prepared and submitted to the Deputy Conservator of Forests (DCF), Kutch West Forest Division, Gujarat, 26.06.2025

viii. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	429.20 ha & 10,73,000 saplings
Budget for green plant & plantation till the end of life of mine.	Budget for green plant 2,14,60,0000 (21.46 Crore)
Budget for nursery	-
Details of existing plantation and its survival rate	--
No. of tree cuts in the mine lease area and compensatory afforestation	--
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	16.52

50 m safety zone of nallah, roads, electric lines	57.90
500 m safety zones of nearest habitation villages	308.80 (on Backfilled area) 100.62 (on External Dump) 0.10 (on Greenfield area)

ix. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	March to May, 2024
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Pre-Monsoon
Predominant Wind direction (From)	SW to NE
Ambient Air Quality (no. of locations) and results	10
Noise level (no. of locations) and results	10
Water Quality (no. of locations) and results	Ground Water Quality Stations 10 & Surface Water Quality Stations 08
Soil Quality (no. of locations) and results	10
Hydro geological study and results	Will be given the EIA Report.
Traffic study (no. of locations) and results	Will be given the EIA Report.

x. Court case details:

Court Case, No and its present status	No Court case is ongoing
Undertaking by Project Proponent w.r.t court case	Copy of Affidavit dated 26.06. 2024 w.r.t court case has been submitted by Project Proponent.

xi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	Affidavit dated 31.12.2024 as per Ministry's OM dated 30.05.2018 has been submitted
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xii. EDS/ADS details (If any):

PP has submitted ADS reply dated 17.02.2026 against ADS raised on 20.03.2025

S. No	ADS Point	Reply by Project Proponent
1.	The PP stated that there is no forest land within the ML area; however, a certificate from the Divisional Forest Officer (DFO) confirming the same has not been submitted.	A certificate has been issued by the Divisional Forest Officer (DFO) on 24.12.2025 confirming the location of the nearest forest area, i.e. Baiyavo and Pranpur reserve forest 50 m from the project site. The certificate also clarifies the distance of nearest Wildlife Sanctuary, i.e. Narayan Sarovar at 5.0 km, and its Eco-Sensitive Zone (ESZ) at a distance of 4.4 km from the project site.
2.	The Project Proponent (PP) must obtain a No Objection Certificate (NOC) from the Ministry of Defence due to its location near the Kori Creek.	No Objection Certificate (NOC) from the Ministry of Defence has been obtained vide letter dated 27th October 2025.
3.	The PP is required to revise the Wildlife Conservation Plan by allocating dedicated funds for the conservation and protection of the Indian Grey Wolf and Caracal, ensuring enhanced wildlife & biodiversity conservation measures.	A site-specific Wildlife Conservation Plan has been approved by PPCF Gandhinagar WLP/C/32/810-812/2024-25 on dated 26.11.2024. A budget of Rs. 1095 lakhs was earmarked. Further, a supplementary Site-Specific Wildlife Conservation Plan for the Indian Grey Wolf and Caracal has been prepared and submitted to the Deputy Conservator of Forests (DCF), Kutch West Forest Division, Gujarat, on 26.06.2025. The plan includes dedicated provisions of ₹254.70 lakhs in the budget of SSWLCP for conservation and protection measures for these species.
4.	The PP should promptly identify the end users for limestone and submit a detailed plan specifying the tentative transportation route and mode of dispatch to minimize unnecessary stockpiling.	GMDC has already initiated the process of RFP to identify end users for limestone for Long term Supply Agreement. GMDC will supply limestone as a raw material to the cement industries planned to be installed within the max. range of 25 km distance from the ML. In past also GMDC has been successful for making similar arrangement ensuring identification of end users and Long term Supply Agreement for limestone from GMDC's other mine in Kutch. Limestone being cheaper mineral, location of end users is being planned within the max. range of 25 km distance from the pit head through road transport via existing roads SH-06

		& NH-754K to make the transportation viable.
5.	The PP must submit a comprehensive action plan to mitigate water pollution risks associated with limestone stocking. Additionally, no limestone stockpiling shall be planned/proposed within 500 meters of the Kali River to prevent potential environmental degradation.	<p>All stockpiling activities have been carefully planned to ensure that surface runoff, sedimentation, and any potential pollutants are prevented from reaching the riverine ecosystem.</p> <p>In addition to the spatial planning measures, a comprehensive water management strategy will be implemented in alignment with the Mineral Conservation and Development Rules (MCDR), 2017 – Rules 35 to 44. These include provisions for:</p> <p>Construction of retaining wall/containment bunds and drainage channels along the toe of the stack pile.</p> <p>It will confine the stack and intercept & control the course of the surface runoff away from the Kali River.</p> <p>Use of sedimentation ponds to treat water before discharge.</p> <p>Regular monitoring of surface and groundwater quality to detect any adverse effects at an early stage.</p> <p>Implementation of soil erosion control measures and revegetation to stabilize exposed areas.</p> <p>Proper handling and storage of materials to prevent contamination during operational phases.</p> <p>Limestone stockpiling will be avoided within 500 meters of the Kali River.</p>
6.	The PP needs to come out with a plan to eliminate/minimize drilling and blasting by introducing surface miners/ripper dazer.	<p>Mining operations will be carried out using eco-friendly, mechanized, and sustainable methods with the objective of eliminating drilling and blasting.</p> <ul style="list-style-type: none"> • Limestone, being semi-hard to soft in nature and largely occurring as outcropping deposits, will be mined using a surface miner (payloader-dumper combination), ensuring fragmentation without the need for drilling or blasting. • Overburden (clay and stone) will also be handled using a shovel-dumper combination without drilling & blasting. • Lignite will be excavated through an open-cast mechanized method using a shovel-dumper combination, without

		adopting drilling and blasting.
7.	The PP needs to explore possibility of engaging electric vehicle to reduce diesel consumption.	<p>GMDC is actively exploring and implementing measures to transition towards electric mobility within its operations. In line with India's commitment to achieving Net-Zero targets, GMDC has already initiated a significant step by introducing 19 electric vehicles. These EVs have replaced conventional diesel-powered vehicles, resulting in an estimated reduction of CO and CO₂ emissions by nearly 80%.</p> <p>Further strengthening this initiative, GMDC has entrusted IIT Madras with a comprehensive feasibility study to explore the adoption of electric trucks and associated equipment for mining and allied operations. The study aims to assess the technical, operational, and economic viability of integrating EVs into the mining fleet.</p> <p>Based on the findings and recommendations from this study, GMDC will actively work towards implementing electric vehicles at the project site to further reduce diesel consumption, enhance energy efficiency, and support environmentally responsible mining.</p>
8.	The PP needs to explore installation of solar Power Plant in the lease hold area in order to reduce dependency on state grid.	<p>GMDC will install 30 KW roof top solar power plant in the lease hold area.</p> <p>Currently, GMDC focused on renewal energy that includes:</p> <ul style="list-style-type: none"> • A 200.9 MW wind power capacity across multiple locations including Maliya, Jodiya, Godsar, Bhanvad, Bada, Verbala, and Rojmal. • A 5 MW solar power plant already operational at the Panandhro project site. <p>GMDC has so far generated 4,276,921 MWh of green energy. This has supported the company's move towards clean power sources. The company supports India's goal of reaching 500 GW of renewable energy capacity by 2030. As part of this effort, GMDC is exploring the possibility of expanding solar energy installations in the lease area.</p> <p>Scientific studies are being carried out. These include energy demand forecasting and site suitability assessments. The aim is to check the technical and economic feasibility of solar installations.</p>

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xiii. Details of project cost and employment:

Particulars	(Rs. In Crore)
Project Cost	415.26 Crores
Employment (No.s)	1000 person

3. Observation and Recommendation

The proposal is for Term of Reference (ToR) for proposed Panandhro Extension Lignite & Limestone Mine with production capacity of 25.24 MTPA of limestone in the ML area of 997.5236 Ha by M/s Gujarat Mineral Development Corporation Ltd. (GMDC) located at Village Baiyavo, Punrajpur & Fulra, Taluka Lakhpat, District Kachchh, Gujarat

The proposed project activity is listed at Schedule 1(a) – Mining of Minerals, Category ‘A’ of the EIA Notification, 2006 and its subsequent amendments.

The Project Proponent (PP) and the Consultant presented the KML file and highlighted the key site features. PP submitted that Narayan Sarovar Wildlife Sanctuary is situated at a distance of about 5.0 km in the southern direction, and its Eco-Sensitive Zone (ESZ) is approximately 4.4 km from the block boundary. The India–Pakistan International Boundary is about 24.5 km in the northern direction. The nearest major highway, SH-42 (NH754K) Lakhpat-Dayapar, is situated 3.4 km to the east, and SH-06 Lakhpat-Kanoj highway is 4.7 km to the north. PP also submitted NOC from Ministry of Defence vide letter dated 27.10.2025 considering the proximity of the project to Kori Creek and the International Border. It was also submitted that several Reserved Forests (RFs) are located within a range of 0 to 9.3 km from the ML area, including the Pranpar Rekhhal RF, which lies adjacent to the lease boundary. Other nearby RFs include Akri, Mudhvay, Ukher, Khanot, Gauduli, Naredi, Kaniari, and Kaiyari, all within a 1–9 km radius of the ML area.

Upon reviewing the KML file, EAC also noted the presence of three ponds and a seasonal tributary of Kali River within the lease area and several reserve forests within 10 km radius. EAC noted the submission of PP and advised to follow with State Water Resource Department and SPCB for protection of river/ponds from adverse effect of mining. In this regard, PP vide email dated 27.02.2026 has submitted a letter dated 27.02.2026 addressed to Secretary The Narmada, Water Resources, Water Supply and Kalpsar Department for consultation in reference to the proposed plan for diversion of certain water bodies, present within the mining lease area.

EAC reviewed the letter submitted by PP and was of the opinion that PP should submit a detailed approved plan by Narmada, Water Resources, Water Supply and Kalpsar Department at the time of submission of EC application.

Subsequently, the EAC inquired about the mineral reserves within the mine lease (ML) area. The PP stated that the total geological reserve for limestone is 395.95

million tonnes (MT), with a mineable reserve of 203.548 MT. Additionally, the net geological reserve for lignite is 29.71 MT, with an extractable reserve of 13.57 MT.

With regard to forest area and its clearance, PP has submitted a certificate dated 24.12.2025 issued by the Divisional Forest Officer confirming that no forest land is involved within the Mine Lease area. The certificate also specifies that Baiyavo and Pranpar Rekhal Reserve Forest are located about 50 m from the project boundary and Narayan Sarovar Wildlife Sanctuary is located at 5.0 km in the southern direction with its Eco-Sensitive Zone (ESZ) at 4.4 km from the project boundary.

Regarding authenticated list of flora and fauna, PP stated that 12 mammals, 08 reptiles and 13 avifauna species (including Schedule-I species) were recorded in the study area. The PP has further submitted that the Site-Specific Wildlife Conservation Plan has been approved by PCCF, Gandhinagar vide Letter No. WLP/C/32/810-812/2024-25 dated 26.11.2024 with a budgetary provision of ₹1095 lakhs. Further, a Supplementary Site-Specific Wildlife Conservation Plan specifically for Indian Grey Wolf and Caracal has been prepared and submitted the Deputy Conservator of Forests (DCF), Kutch West Forest Division, Gujarat, on 26.06.2025 with an additional budgetary provision of ₹254.70 lakhs.

EAC reviewed the submission of PP and advised to follow up with State Forest Department for implementation of both the approved and supplementary Wildlife Conservation Plans.

PP further stated that Letter of Intent (Order No. MCR-102022-1203-CHH) was granted on 02.03.2023 for 50 years for Major Minerals (Limestone & Lignite) by Industries & Mines Department, Government of Gujarat. Subsequently, corrigendum dated 21.06.2024 revised the ML area to 997.5236 Ha. The Mine Lease Deed (Order No. MCR/102022/1203/CHH1) has been executed on 23.06.2025 for a period from 23.06.2025 to 22.06.2075.

The Review of Mining Plan including Progressive Mine Closure Plan has been approved by Indian Bureau of Mines vide letter no. MCDR-MPCP0CaFI/28/2024-GNRIBM_RO_GNR MP-587 dated 05.12.2024. Mining method proposed is Opencast mechanized mining without drilling and blasting. Life of mine as per proposed rate of production is 29 years.

Regarding Plan to Eliminate/Minimize Drilling and Blasting, PP submitted that mining operations will be carried out using eco-friendly, mechanized, and sustainable methods with the objective of eliminating drilling and blasting. It was informed that limestone, being semi-hard to soft in nature and largely occurring as outcropping deposits, will be mined using surface miner technology through a payloader–dumper combination, thereby ensuring fragmentation without the need for drilling or blasting. Further, overburden comprising clay and stone will be handled using a shovel–dumper combination without drilling and blasting. Lignite will also be excavated through open-cast mechanized mining using shovel–dumper combination without adoption of drilling and blasting techniques.

With regard to transportation, PP mentioned that excavated limestone will be loaded through 60T/35T Rear Dump Trucks and transported to designated mineral stockyards within the ML area.. Further, PP informed that for the end use of limestone, two tentative locations have been identified in the vicinity of the mining lease area. Road transportation over a distance of approximately 10.5 km is envisaged for Location-1 (Cement plant) comprising 6.4 km of District Road and 4.1 km of State Highway 6, whereas a distance of approximately 9.8 km is envisaged for Location-2 (Cement Plant) comprising 4.8 km of metalled road and 5.0 km of National Highway 754. The location will be finalised based on feasibility. A detailed study in this regard will be carried out at the stage of final EIA submission. The existing road network will be utilized for transportation of limestone to the proposed destinations.

The Committee stated that PP should finalise the end user and transportation route at the time of EIA/EMP submission to avoid prolonged and unnecessary stockpiling at site. A detailed Transportation and Traffic Management Plan indicating route alignment, carrying capacity of roads, number of trips per day, dust suppression measures, covered transportation, and road safety provisions shall be prepared and submitted by PP in the EIA/EMP. The Committee further observed that stockyard management shall be optimized to minimize material accumulation and associated environmental impacts.

Regarding water requirement, PP submitted that total water requirement shall be 1517 KLD, including 50 KLD fresh water for domestic use (from proposed borewell), 1067 m³/day from pit dewatering and 400 m³/day from mine pit rainwater. CGWA permission is under process. EAC advised that groundwater withdrawal shall commence only after obtaining valid CGWA clearance and monitoring shall be undertaken.

With regard to comprehensive action plan for water pollution mitigation and restriction of stockpiling within 500 m of Kali river, PP submitted that stockpiling shall not be undertaken within 500 meters of Kali River. The proposed mitigation measures include construction of retaining walls/containment bunds and drainage channels along the toe of stack piles to intercept surface runoff, installation of sedimentation ponds prior to discharge, regular monitoring of surface and groundwater quality, implementation of soil erosion control measures and revegetation of exposed areas, and proper material handling practices shall be followed/done in accordance with Mineral Conservation and Development Rules (MCDR), 2017 (Rules 35–44).

The Committee observed that a strict 500-meter buffer from Kali River shall be maintained for all stockpiling activities and the same shall be clearly demarcated on site layout maps. Retaining wall structures, check dams, garland drains, and sedimentation ponds shall be constructed prior to commencement of large-scale stockpiling. Regular water quality monitoring shall be carried out and records maintained for verification. The Committee further observed that effective storm water management system shall be implemented to ensure that no untreated runoff enters the riverine ecosystem.

With regard to greenbelt development, PP submitted that 429.20 Ha area shall be developed under greenbelt/plantation with approximately 10,73,000 saplings with

a budgetary provision of Rs. 21.46 Crores over the life of mine. . EAC noted the submission of PP and advised to ensure plantation of 2500 sapling/ha and also to plan for Miyawaki Plantation. EAC also suggested to undertake gap plantation to ensure 95% survival rate.

With regard to adoption of electric vehicles and installation of solar power plant, The PP submitted that Gujarat Mineral Development Corporation Limited (GMDC) has initiated transition towards electric mobility within its operations. It was informed that 19 electric vehicles have already been deployed, replacing conventional diesel-powered vehicles and contributing to reduction in CO and CO₂ emissions in other projects. Further, GMDC has entrusted Indian Institute of Technology Madras with a comprehensive feasibility study to assess the technical, operational, and economic viability of introducing electric trucks and allied mining equipment. Based on the outcome of the study, phased implementation of electric vehicles at the project site is proposed.

With regard to renewable energy, the PP submitted that a 30 kW rooftop solar power plant shall be installed within the lease area. It was further informed that GMDC already operates 200.9 MW wind power capacity at various locations and a 5 MW solar power plant at the Panandhro project site. The PP stated that scientific assessments, including energy demand forecasting and site suitability studies, are being undertaken to explore expansion of solar installations within the lease area.

EAC advised PP to prepare a time-bound action plan for gradual replacement of diesel-operated vehicles with electric vehicles and also installation of the proposed rooftop solar power plant shall be completed prior to full-scale mining operations. The feasibility of additional solar installations, particularly over reclaimed/backfilled areas, shall be explored and implemented in a phased manner to minimize dependency on grid power.

The PP also reported that baseline environmental data was collected during March to May 2024 (Pre-Monsoon season) and the monitoring results were within prescribed limits.

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in 1st EAC meeting held on 26-27th January, 2026 under the provisions of the EIA Notification, 2006 and its subsequent amendments, recommended the proposal for grant of Term of Reference (ToR) of Proposed Panandhro Extension Lignite & Limestone Mine with production capacity of 25.24 MTPA Limestone in the M L area of 997.5236 Ha located at Village Baiyavo, Punrajpur & Fulra, Taluka Lakhpat, District Kachchh, Gujarat by M/s Gujarat Mineral Development Corporation Ltd. (GMDC) subject to following specific conditions in addition to the standard ToR conditions applicable to non-coal mining projects:-

- i. PP needs to submit a detailed approved plan by Narmada, Water Resources, Water Supply and Kalpsar Department for diversion of water bodies within the ML area at the time of submission of EC application.

- ii. PP needs to follow up with State Forest Department for implementation of both the Wildlife Conservation Plans submitted by them.
- iii. As committed by PP, no blasting shall be proposed or allowed in the ML area.
- iv. PP needs to finalise the end user and transportation route at the time of EIA/EMP submission to avoid prolonged and unnecessary stockpiling at site. A detailed Transportation and Traffic Management Plan indicating route alignment, carrying capacity of roads, number of trips per day, dust suppression measures, covered transportation, and road safety provisions shall be prepared and submitted by PP in the EIA/EMP report.
- v. The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology upgradation, etc. The efforts shall be delineated in the EIA/EMP.
- vi. Project Proponent (PP) shall engage with the State Water Resource Department and the State Pollution Control Board (SPCB) to develop and submit a comprehensive action plan for protection of water bodies in and around the ML area.
- vii. Project proponent needs to submit the detailed scientific plan for constructing the retaining wall/gabion structures and other structures so that there is no flow of dump/ore silt outside the lease area. As per the commitment PP needs to prepare for proper mitigation measures including regular monitoring of surface & groundwater quality in accordance with MCDR 2017 (Rule 35-44).
- viii. PP should submit a detailed plan for rain water harvesting with year wise target for reduction in consumption of the ground/surface water by developing alternative source of water through rain water harvesting measures.
- ix. PP should ensure that no untreated water is discharged from the mine site to any of the natural water bodies and submit a detailed plan thereof.
- x. The Project proponent needs to submit a detailed plan showing more use of renewable energy in the project. As per their commitment PP needs to plan for rooftop solar power plant in lease area to minimize dependency on grid power.
- xi. PP to engage seismology experts from institute of national repute to conduct a study of geo-tectonic zones.

- xii. The Project Proponent needs to submit the scientific study on flora and fauna and also to highlight on the endangered species. The Project Proponent needs to submit the authenticated list of flora and fauna as per the latest Wildlife Protection Amendment Act, 2022 and shall accordingly prepare a Wildlife Conservation Plan. PP needs to submit the proof of submission of Wildlife Conservation Plan to State Forest Department.

- xiii. The Project Proponent needs to monitor the ambient air quality and noise level at the mine lease boundary, nearest village, crusher, predominant downwind direction and at other sensitive receptors. Accordingly, Project Proponent shall propose to install Continuous Ambient Air Quality Monitoring Stations within certain timeline.

- xiv. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air pollution, noise level and ground vibration.

- xv. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years. The Project proponent shall ensure that the activities proposed under the public hearing shall be different from the CSR activities. PP needs to submit a tangible and monitorable action plan for meeting the public hearing commitments with village-wise plan of implementation.

- xvi. The Project Proponent needs to undertake the enumeration of the tree species within the mine lease area before cutting. The Project Proponent also needs to submit the compensatory afforestation plan for the number of trees to be cut in the mine lease area and also to explore the possibility of tree transplantation.

- xvii. The Project Proponent needs to submit the action plan for undertaking the plantation along the 7.5m barrier, safety zone of tar road/cart tracks, electric line etc., PP should also submit the details of numbers of saplings to be planted (2500/ha), type of saplings proposed and the area to be covered under greenbelt/plantation along with the timeline and budget. The greenbelt/plantation plan shall be prepared in such a way that the ecology of the area shall be restored. Miyawaki plantation

technique should also be planned/prepared in the greenbelt development in the project area.

- xviii. The Project Proponent shall carry out the assessment of impact due to the proposed project as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xix. The project proponent shall conduct hydrological study for projects involving intersection of ground water table as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xx. The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology up gradation, etc. The efforts shall be delineated in the EIA/EMP.
- xxi. The Project Proponent shall prepare the scheme for mandatory recycle/re-use of water as specified by the Central Ground Water Authority for different category areas.
- xxii. The Project Proponent needs to submit the plan for Socio economic development of the neighbourhoods' habitats based on the need-based survey along with the time bound action plan in consultation with the local people. Inclusive development with initiatives focused on employment generation, educational support, healthcare facilities for the local communities be planned.
- xxiii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.
- xxiv. The Project Proponent shall provide the details of Special Pollution Control/ Abatement devices that have been installed/ proposed to be installed within the ML area and how does the technology compare with the best available technology in the field.

- xxv. PP should ensure that all the documents including the approved Mining plan and EIA /EMP should be in consonance with each other.
- xxvi. The Project Proponent should submit an action plan to construct water reservoirs within the mine lease area so that reliance on outside water/ground water is lessened/ eliminated.
- xxvii. The Project Proponent needs to prepare the installation plan for permanent fixed water sprinkling system along the Haul roads. Installation of fog canons at necessary locations in the project should also be planned.
- xxviii. The Project Proponent needs to prepare plan to develop the treatment facility for wastewater within the ML area.
- xxix. PP needs to submit an action plan for installation/ maintenance of ETP and Oil & Grease trap within the ML Area.
- xxx. The Project Proponent needs to submit employment-based skill development plan for the local people, and thrust should be to provide employment to local people after imparting training.
- xxxi. PP needs to project & submit yearwise back filling plan.
- xxxii. PP needs to conduct pit slope stability study by a reputed institute.
- xxxiii. PP needs to prepare an action plan for gradual replacement of diesel-operated vehicles with electric vehicles.
- xxxiv. PP shall ensure compliance of MoEFCC O.M. dated 14.01.2025 regarding streamlining the implementation of GSR 702 and GSR 703 dated 12.11.2024
- xxxv. PP is required to conduct a cumulative impact assessment including the adjacent mines. This assessment should encompass key factors, including water requirements, air, water, noise pollution levels, power consumption, transportation logistics, waste management practices, and the combined emissions load from projects effects on flora & fauna, etc. EMP should be prepared accordingly.
- xxxvi. PP need to assess impact on nearby villages, traffic, and state highway due to mining operations including blasting and transportation. Necessary consultation/ permissions from DGMS may be taken in this regard. PP needs to take mitigation measures including dust

suppression, traffic management, noise reduction, and health safeguards based on public hearing/ stakeholder consultations.

- xxxvii. PP needs to submit an action plan with timeline for completion of route construction for transportation of Ore. PP also needs to submit an action plan to install appropriate signage, speed controls, to minimize environmental and safety impact during transportation. PP needs to conduct the carrying capacity study of the transportation of mined out ore to the cement plant or to other locations.

- xxxviii. PP should prepare an action plan enumerating measures to be taken so that there is no pilferage of minerals during transportation. Training of supervisors, workers, and operators should be part of the action plan. Route plan for Ore transportation should be submitted.

- xxxix. Based on the carrying capacity study, PP shall submit an action plan with traffic management measures, to avoid dust generation and inconvenience to local communities.

- xl. The Project Proponent shall monitor the water quality in the impact zone such as water reservoir, river water with specific reference to the parameter Langelier Saturation Index which will denote the impact of calcium carbonates on water bodies and these parameters and determine the tendency of water to form calcium carbonate scaling.

- xli. PP needs to submit an action plan as per OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign “EK Ped Ma ke Naam” (एक पेड़ माँ के नाम) and the details of the same shall be uploaded in the Meri Life portal (<https://merilife.nic.in>).

Day 2: 27th February, 2026 (Friday)

2.1 Majhgawan Diamond Mine of M/s. NMDC Ltd with total excavation of 13.90 LTPA [ROM Kimberlite ore @ 8 LTPA and Overburden removal @ 5.90 LTPA for production of 1.00 lakh carats of Diamonds per annum] within the mine lease area of 113.332 Ha (Main Lease) Located at Majhgawan, Tehsil & District Panna, Madhya Pradesh-For Amendment in Environment Clearance (EC) reg.

[Proposal No.: IA/MP/MIN/562764/2026, File No. J-11015/120/2018-IA-II (M)]

The instant proposal is for Amendment in Environment Clearance (EC) of Majhgawan Diamond Mine of M/s. NMDC Ltd with total excavation of 13.90 LTPA [ROM Kimberlite ore @ 8 LTPA and Overburden removal @ 5.90 LTPA for production of 1.00 lakh carats of Diamonds per annum] within the mine lease area of 113.332 Ha (Main Lease) Located at Majhgawan, Tehsil & District Panna, Madhya Pradesh.

4. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	EC Amendment to Majhgawan Diamond Mine of M/s. NMDC Ltd with total excavation of 13.90 LTPA [ROM Kimberlite ore @ 5.00 LTPA and Overburden removal @8.90 LTPA for production of 1.00 lakh carats of Diamonds per annum] within the mine lease area of 113.332 Ha (Main Lease) located at Majhgawan, Tehsil & District: Panna, Madhya Pradesh while maintaining total excavation of 13.90 LTPA for 5 years after which the excavation quantities shall revert as per the originally approved EC.	
Location	Village	Majhgawan
	Tehsil/Taluka	Panna
	District	Panna
	State / UT	Madhya Pradesh
	Latitudes	24°38'14.47"to 24°38'56.479" N
	Longitudes	80°00'40" to 80°02'21.5" E
	Sol Topo sheet No.	G44U2
Company's Name	NMDC Limited	
Accredited Consultant and certificate no. and Validity	Not Applicable as the proposal is for EC Amendment only.	
KML file	Attached Separately	
Seismic zone	Zone-II	

ii. Category details:

Category of the project	"A"
Schedule No.	1(a) Mining of Minerals
Mining lease Area (MLA) (in ha.)	113.332
General Conditions (if any)	Applicable. Project is located within Gangau wildlife sanctuary of Panna Tiger reserve.
Additional Information, if any	

iii. **Wildlife Clearance:**

The wildlife clearance under Wild life (Protection) Act, 1972 was valid up to 31/12/2020. The PCCF (Wildlife) / Chief Wildlife Warden, Bhopal, Madhya Pradesh vide letter no: 1608 dated 24/2/2023 has accorded approval for renewal / extension of Wildlife clearance under Wildlife (Protection) Act, 1972 over 275.963 Ha (main and supplementary mining lease area) lease falling in Gangau sanctuary under Panna Tiger reserve and for mining in area of about 10 Ha (of which 1.5 Ha is forest area) for a period of 20 years **which is valid unto 30/6/2040.**

Hon'ble Supreme Court permission: The Hon'ble Supreme Court vide order dated 30/11/2022 10/1/2024 has permitted for continuation of mining operations at Majhgawan Diamond Mining Project.

iv. **ToR/EC Details:**

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
17/09/2018	IA/MP/MIN/79085/2018. F.no: IA-J-11015/120/ 2018-IA-II(M)	17/01/2023	ToR issued with specific and standard conditions with Public Consultation	6/2/2023.
08/05/2023	IA/MP/MIN/297928/2023 F.no: IA-J-11015/120/ 2018-IA-II(M)	30/05/2023	Amendment w.r.t bench height from 6 m to 10 m.	12/07/2023

Date of application	Proposal No/ File No	Consideration by EAC	Details of EC	Date of accord
02/09/2023	IA/ MP/ MIN/ 442288/2023.	21/09/2023,	F. no: J-11015/ 120/ 2018-IA-II(M).	22/2/2024

		26/12/2023 & 1/2/2024		
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v. Details of Mine Lease in chronological manner:

S.No.	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of Mine Lease	16/12/1964	Diamond	20 years (1965 to 85)	Mineral Resource Deptt, GoMP, Bhopal	113.332
2		20/12/1990		10 years (1985 to 95)		
3		18/11/2002		10 years (1995 to 2005)		
4		01/08/2014		20 years (2005 to 25)		
5		22/05/2025		10 years (2025 to 35)		

S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1	M.L. deed execution	15/7/1965	14/7/1985	Diamond	113.332
2		15/7/1985	14/7/1995		
3		15/7/1995	14/7/2005		
4		15/7/2005	14/7/2025		
5		15/7/2025	14/7/2035		

vi. Land Use/ Land Cover of the Mine Lease Area:

Private land	1.771 Ha
Government land	111.561 Ha
Forest land	Nil
Total Mining lease area (MLA), ha	113.332 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

vii. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	No. MCDR-MPC0Dia/1/2025-JBPIBM_RO_JBP/MMP-19/2025-26
	Date	17/12/2025
	Mineral & (Major/Minor)	Diamond
	Mine Lease Area, Ha	113.332
	Validity	Period of 2025-26. (17/12/2025) to 2029-2030.
Additional information (if any)	Modifications to Mining Plan has been obtained w.r.t excavation of over burden removal @ 8.90 LTPA.	
Mining Parameters	Quantitative Description	
Method of Mining	Mechanized Open Cast method	
Drilling/Blasting	Halco Wagon drilling is done by using 4½” drill machine. Control blasting is being done using slurry explosives.	
Geological Reserves	14.81 Million Tons	
Mineable Reserves	8.84 Million Tons	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	5.00 LTPA – Kimberlite Ore 8.90 LTPA – Waste excavation 13.90 LTPA – Total excavation	
Life of mine	17 years based on reserves. 9 years as per lease validity.	
Mine Bench Height & Bench Width	10m & 10m	
No. of Mine Benches	15	
Existing Depth, m bgl	120	
Ultimate Depth of Mining, m bgl	150	
Ground Water Table, m bgl	1.32 m to 18.93 m BGL	

Details of ground water intersection	Already intersected
Individual bench slope	80 to 85°
Overall pit slope	40°
Details of existing/ proposed Crusher	No Crusher in MML area.
Mineral Beneficiation	Kimberlite ore mined is processed in processing Plant located at adjacent Supplementary Mining Lease (SML) for which separate EC is applied under Schedule 1(a) & 2(b) of Category A.
RoM output size	100 mm Kimberlite Ore
Transportation details including capacity of dumper/tipper, mode of transport and distance	Shovel dumper Combination is being used for loading and transportation of excavated ore from the Mine pit. (35 T / 40 T / 50 T)
Generation of Topsoil/OB & its Management during plan period & conceptual period	Total OB generation during life of mine is 6.80 million tons which will be dumped in the earmarked dumps outside ultimate pit as per approved Mining Plan. At the end of life of mine, the area covered by O.B dump is 45.782 Ha. Toe walls, garland drains will be constructed at toe of dumps. Proper terracing will be done for stabilization of dumps and plantation will be with native tree species. Grass seeds will be broadcasted on sloes of the dumps. Geo-coir matting will also be done.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	About 7.1 million tons Coarse Tailings will be generated during life of mine from Processing plant will be dumped in a separate Tailing dump outside ultimate pit limit. Ultimate area occupied by coarse tailing dumps will be 22.69.Ha. Coarse tailing dumps will be properly terraced and rehabilitated with by planting native tree species and Grass seeds will be broadcasted over the slopes of dumps.
Additional information(if any)	-----

viii. Water requirement:

Total water requirement	15 KLD	Fresh water	15 KLD
		Treated water	----
Source	Water reservoir built up NMDC		
Permission for withdrawal/ intersection along with	---		

details of grant and its validity	
Additional information (if any)	----

ix. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	Hinauta	Adjacent to ML Area, North
Town	Panna	18 kms, NE
Highway	National Highway (NH-39) State Highway (SH-49)	8.1 km, N 9.6 km, E
Interstate Boundary	-	-
Railway Station/Railway line	Khajuraho	45 km, NW
Water Bodies	Water reservoir built by NMDC	Adjacent, SE.
Forest	Gangua wildlife Sanctuary of Panna Tiger Reserve	Adjacent

x. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	----
National Park	Yes	Panna National Park
Wildlife Sanctuary	Yes	Gangau Wildlife Sanctuary
Elephant/Tiger Reserve	Yes	Panna Tiger Reserve
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	---	---
Coastal Regulation Zone (CRZ)	No	Not Applicable
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	Panthera tigris, Panthera pardus etc
Wildlife Conservation Plan	Yes	As per Hon'ble Supreme Court order in IA No: 1485 & 2570 dated 13/8/2020, 5% of the capital cost of project amounting to Rs.232.686 lakhs have been paid to Panna Tiger Reserve on 22/5/2009 for

		<p>undertaking conservation and protection works in the Panna National Park & Panna (Gangau) Wildlife sanctuary.</p> <p>Further, an amount of Rs.391.600 lakhs was also paid to Madhya Pradesh Tiger Foundation Society, Bhopal on 13/2/2023 at the time of obtaining renewal of Wildlife clearance towards conservation of wildlife in the area.</p> <p>Total amount of Rs.50.00 lakhs (Rs.10.00 lakhs for each Finance year during 2009-10, 2010-11, 2011-12, 2012-13 & 2013-14) were paid to the Panna National Park for eco-development jobs of Majhgawan and Bador villages.</p> <p>The PCCF (WL) cum Chief Wildlife Warden, Madhya Pradesh vide letter no: 9164 dated 18/10/2023 has approved the action plan to monitor the movement of Tigers and its prey species with a financial outlay of Rs.72 lakhs. As per approval, an amount of Rs.32.00 lakhs paid on 15/2/2024 to Madhya Pradesh Tiger Foundation Society, Bhopal. Against the approved expenditure of Rs.42.00 lakhs by NMDC, an amount of Rs. 342.62 lakhs was incurred on various works under the items prescribed in the approved plan.</p>
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xi. Green belt/plantation details:

<p>Proposed area for green belt/plantation and no. of saplings proposed</p>	<p>The reclamation of areas which have been used for mining, waste dump, tailing dumps, infrastructure etc shall be reclaimed with plantation/afforestation at the conceptual stage. The areas will be covered under plantation are given below:</p> <table border="1"> <thead> <tr> <th>S. no</th> <th>Particulars</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Over burden dumps</td> <td>45.782</td> </tr> <tr> <td>2</td> <td>Green belt</td> <td>15.18</td> </tr> </tbody> </table>	S. no	Particulars	Area in Ha	1	Over burden dumps	45.782	2	Green belt	15.18
S. no	Particulars	Area in Ha								
1	Over burden dumps	45.782								
2	Green belt	15.18								

	3	Area excavated & other areas	23.556
	4	Tailing dam	6.53
	4	Total	91.048
	Out of 113.332 Ha, 91.048 Ha will be reclaimed. 3.07 Ha will be used as water body in mine pit. Area for open channel 0.01 ha, water reservoir submersed area 3.06 Ha and undisturbed area 13.644 Ha will remain same. 2.5 Ha will remain as road.		
Budget for green plant & plantation till the end of life of mine.	Rs.157.5 lakhs		
Budget for nursery	Rs.10 Lakhs		
Details of existing plantation and its survival rate	Total of 1.95 lakh saplings have been planted in the project area (MML + SML). Survival rate is 80%.		
No. of tree cuts in the mine lease area and compensatory afforestation	No Forest land is involved in the lease area. No cutting of trees and compensatory afforestation is involved,		
Particulars for Green belt/plantation	Area covered (in Ha)		
7.5 m barrier & non-mineralized zone	6.06 Ha		
50 m safety zone of nallah, roads, electric lines	--		
500 m safety zones of nearest habitation villages	--		

xii. **Baseline detail:** Not Applicable as the proposal is for Amendment to EC.

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	
Predominant Wind direction (From)	
Ambient Air Quality (no. of locations) and results	
Noise level (no. of locations) and results	
Water Quality (no. of locations) and results	
Soil Quality (no. of locations) and results	
Hydro geological study and results	
Traffic study (no. of locations) and results	

xiii. **Public Hearing (PH) Details:** Not Applicable as the proposal is for Amendment to EC

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	
Date of PH	
Venue	
Chaired by	
Main issues raised during PH	
Budget proposed for addressing issues raised during PH over 3 years	
Additional information (if any)	

xiv. **Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:**

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	----
Consent to Operate	Outward number: 123034,25/06/2025. Consent number: AW-62429. Valid upto 14/7/2026.
Certified Compliance Report and Inspection date	Not Applicable as the proposal is for EC amendment.

Certified Production Details from the inception of the mine (in tabular form against the EC capacity)

Given below in tabular form.

S. no	FY	certified production details		EC Capacity (Diamond production) in Lakh Carats
		Ore Mining in Tonnes	Diamond production in carats	
1	1967-68	---	4,714	-
2	1968-69	40,951	5,446	-
3	1969-70	98,403	11,438	-
4	1970-71	1,27,426	16,110	-
5	1971-72	1,04,395	15,903	-
6	1972-73	1,14,105	16,466	-
7	1973-74	1,47,918	17,907	-
8	1974-75	1,31,781	18,138	-
9	1975-76	1,27,199	16,548	-
10	1976-77	1,42,582	18,282	-
11	1977-78	1,52,696	14,102	-
12	1978-79	1,48,836	12,316	-
13	1979-80	1,41,844	12,720	-
14	1980-81	1,57,271	13,713	-
15	1981-82	1,38,094	14,543	-
16	1982-83	1,41,530	13,056	-
17	1983-84	1,43,721	13,416	-
18	1984-85	1,41,907	14,982	-
19	1985-86	1,68,993	15,819	-
20	1986-87	1,49,254	15,190	-
21	1987-88	1,69,174	15,824	-
22	1988-89	1,75,141	13,209	-
23	1989-90	1,86,069	16,071	-
24	1990-91	1,86,775	17,401	-
25	1991-92	1,87,273	17,741	-
26	1992-93	2,02,225	18,183	-
27	1993-94	1,75,234	18,523	-
28	1994-95	2,80,624	24,804	-
29	1995-96	2,93,426	29,437	-
30	1996-97	3,30,095	31,573	-
31	1997-98	4,09,705	30,602	-
32	1998-99	3,50,092	34,234	-
33	1999-2000	3,64,758	40,247	-
34	2000-01	5,52,063	56,965	-
35	2001-02	7,01,286	81,249	-
36	2002-03	8,00,525	84,366	-
37	2003-04	7,60,794	71,183	-
38	2004-05	6,85,641	78,217.12	-

39	2005-06	2,33,833	43,877.75	1.00
40	2006-07	0	1,703.2	1.00
41	2007-08	0	0	1.00
42	2008-09	0	0	1.00
43	2009-10	1,62,939	16,529.21	1.00
44	2010-11	1,89,804	10,865.93	1.00
45	2011-12	1,51,003	18,043.44	1.00
46	2012-13	2,40,604	31,533.39	1.00
47	2013-14	2,25,057	37,081.7	1.00
48	2014-15	2,69,764	35,085.46	1.00
49	2015-16	2,29,691	35,558.31	1.00
50	2016-17	2,62,052	35,611.07	1.00
51	2017-18	2,45,015	39,393.72	1.00
52	2018-19	2,82,383	38,126.96	1.00
53	2019-20	1,55,672	28,523.30	1.00
54	2020-21	63,010	13,673.41	1.00
55	2021-22	0	0	1.00
56	2022-23	0	0	1.00
57	2023-24	0	295.61	ROM: 8.00 LTPA & Diamond production: 1 lakh carat
58	2024-25	12,700	4,602.03	
59	2025-26 (upto Dec'25)	64,405	5,905.34	

xv. Rehabilitation & Resettlement (R&R):

R & R details	NIL
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xvi. Court case details:

Court Case, No and its present status	Nil
Undertaking by Project Proponent w.r.t court case	Undertaking submitted.

xvii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	Affidavit dated 30/09/2019 submitted to MOEFCC for compliance of Common Cause Judgement dated 2/8/2017 and is incorporated in Final EIA/EMP report (August 2023).
Undertaking by Project Proponent in EIA/EMP report	Not Applicable

Undertaking by Consultant in EIA/EMP report	Not Applicable
Plagiarism Certificate	Not Applicable

xviii. EDS/ADS details (If any):

The EDS/ADS had previously been raised during the EAC meeting or on the Parivesh portal. It shall be presented in chronological order, from the earliest to the latest, with both the date of the EDS/ADS and the date of the corresponding reply.

S. No	EDS Point	Reply by Project Proponent
1	PP shall submit a valid NABET accredited certificate of the Environmental Impact Assessment (EIA) consultant and update the same on the PARIVESH portal. In case no consultant has been involved, M/s NMDC Ltd. shall submit an undertaking to the Ministry clearly stating that no consultant has been engaged for the instant amendment proposal.	Undertaking submitted stating that no consultant has been engaged for the instant EC Amendment proposal.
2	The PP need to submit: The number of trees planted within the safety zone (7.5m) of the Mining Lease (ML) area along with Geo-tagged photographs; The year-wise number and area of plantation carried out during the last three (3) years within the project area along with Geo-tagged photographs.	Safety Zone Plantation (7.5 m): The project has planted about 3,000 plants of local species namely Bamboo, Sisum, Neem, Pipal, Kamer, Amrood, Jamoon, Ber, Karounda, Jatr opha, Bouganvelli, Gulmohar, Ashok. Further, the project is undertaking plantation of 500 saplings every year within Main Mine Lease area. The geo-tagged photographs of the plantation are submitted and enclosed in the EDS reply.
3	PP needs to submit past production details since inception of the mine duly authenticated by the Department of Mines and Geology of State Government.	Duly authenticated Past production details are submitted and enclosed as Annexure in EDS reply.
4	PP needs to ensure that the employment details provided in CAF and EIA-EMP report	The man power details provided in EIA report (2023) were as follows: Permanent employees = 153. Contractual employees = 206. whereas current man power details provided in CAF are as follows: Permanent employees = 160 and contractual employees = 233

xix. Details of the Environmental Management Plan (EMP): FY 2024-25

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Extension plantation near lease boundary and Magazine area	0.3 Cr	30 Lakhs
Installation of 3 No of CAAQMS	2.14 Cr	20 Lakhs

xx. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	4.68
Project Cost	12.44
Employment (No.s)	160 (Permanent) 233 (Contractual)

3. Observation and Recommendation of the committee

The instant proposal is for Amendment in Environment Clearance (EC) dated 22.02.2024 of Majhgawan Diamond Mine of M/s. NMDC Ltd with total excavation of 13.90 LTPA [ROM Kimberlite ore @ 8 LTPA and Overburden removal @ 5.90 LTPA for production of 1.00 lakh carats of Diamonds per annum] within the mine lease area of 113.332 Ha (Main Lease) Located at Majhgawan, Tehsil & District Panna, Madhya Pradesh.

The Project Proponent (PP) presented the KML file and explained the key site features of the ML area. PP stated that mine lease area mainly consists of a diamond quarry where ROM Kimberlite Ore is mined, stacking of OB dumps, coarse and fine tailing dumps, mineral storage, roads, tailing ponds etc. PP also mentioned that initial EC for the mining lease was obtained on 13.01.2026 and the latest EC was accorded by the Ministry on 22.02.2024 as per the orders of the Hon'ble Supreme Court order dated 10.01.2024.

PP stated that Mine is located within the Panna Tiger Reserve/ Gangau Wildlife Sanctuary. PP reported that mining operations and development work had remained completely suspended during the period 2020–2024; consequently, a substantial quantity of overburden/waste has accumulated in the mining pit. In the mine, the Kimberlite ore benches are overlain by waste/overburden (OB) benches.

PP mentioned that upon receiving the latest EC dated 22.02.2024, the mining operation were restarted on 11.03.2024. The details of over burden and kimberlite as submitted by PP is given as under: -

Period	O.B. Excavation in Tones (EC limit: 5.90 LTPA)	ROM Kimberlite Ore excavation in Tones (EC limit: 8.0 LTPA)
11/3/2024 to 31/3/2024	44,446	Nil
1/4/2024 to 31/3/2025	5,90,000	12,700
1/4/2025 to 19.02.2026	5,89,000	89,960

PP further reported that in the absence of sufficient black tuff material, the old stock of white tuff Kimberlite ore available in the stockpiles has been processed in processing plant. However, the white tuff stockpile has also substantially depleted, and the remaining quantity 33,576 tons is expected to last only for a few months. The details of black and white tuff submitted by PP is given as under:-

S. no	FY	Black tuff (qty in Lakh tons)	White tuff (Qty in Lakh tons)	Diamonds production
1	11/3/2024 to 31/3/2024	0	0	0
2	1/4/2024 to 31/3/2025	13,418	1,71,605	4,602.03
3	1/4/2025 to 31/01/2026	71,899	1,38,835	5,909.34

EAC noted the submission of PP and sought reasons for the amendment, PP submitted that ore body is of an inverted cone shape; therefore, a comparatively higher rate of waste excavation is required to facilitate safe and sustainable development of ROM Kimberlite Ore Benches. As a result, Kimberlite ore mining operations have been adversely affected and the required quantity of black tuff material could not be supplied to the processing plant for recovery of diamonds. Consequently, diamond production has significantly reduced and remains much lower than the EC-approved capacity. Therefore, accelerated mine development through enhanced excavation of waste/OB is essential to expose additional Kimberlite ore benches and achieve the targeted ROM production and corresponding diamond output. The mining lease is valid up to 14.07.2035. Hence, it is imperative to maximize the excavation of over burden for opening up of Kimberlite benches and recovery of diamonds within the remaining

lease period. Unless adequate over burden is excavated, sufficient quantity of ROM Kimberlite ore cannot be exposed for mining operations.

Accordingly, PP proposed the following amendment:-

- The total excavation quantity shall remain unchanged at 13.90 LTPA.
- The overburden (OB) removal shall be increased from 5.90 LTPA to 8.90 LTPA.
- The Kimberlite ore extraction shall be correspondingly reduced from 8.00 LTPA to 5.00 LTPA.

PP highlighted that this modification is intended to accelerate exposure of Kimberlite ore benches, improve operational efficiency, and ensure consistent supply of ore to the processing plant, without altering the overall excavation volume. PP also reported that the change is in line with the approved Modification to approved Mining Plan obtained from IBM, Jabalpur on 17/12/2025 for the period 2025–26 (17/12/2025) to 2029-30.

EAC perused the submission of PP and enquired about the conditions laid down by Hon'ble Supreme Court while permitting the mining activity in the instant mine lease area even though the area is present within Panna Tiger Reserve /Gangau Wildlife Sanctuary.

PP submitted that, the Hon'ble Supreme Court vide order dated 13.08.2008 formed a monitoring committee under the chairmanship of the Chief Wildlife Warden with Member Secretary, NTCA, Field Director Panna National Park, and a non-official member of NBWL to monitor and prescribe various safeguards for operation of mines along with approval and monitoring of annual work plan for utilization of funds received from NMDC towards the NPV (Net Present Value) and 5% of the project cost. Further, Hon'ble Supreme Court vide order dated 30.11.2022 permitted M/s NMDC to continue mining activity subject to the condition that all conditions imposed by the authorities in granting the requisite permissions, as well as the order passed by this Court dated 13.08.2008 shall be strictly complied with.

EAC noted the submission of PP and asked whether any monitoring has been done by the aforesaid committee since the starting of mining activity from 11.03.2024. PP submitted that no site visit/monitoring has been undertaken yet by the Monitoring Committee.

EAC reviewed the submission of PP. The Committee also noted the specific condition 1.2 of the EC letter dated 22.02.2024 given as under: -

“The EAC opined that a subcommittee may visit the project site after two years of commencement of mining operations to review the status of implementation of environmental safeguards with respect to scientific mining, conservation of wildlife, environment protection in compliance to the monitoring committee/ task force/Hon'ble Supreme Court.”

With regard to above condition EAC asked whether site visit has been completed by sub-committee of EAC. PP stated that as per the said specific condition the EAC sub-committee is supposed to visit after two years of commencement of mining operations

to review the status of implementation of environmental safeguards with respect to scientific mining, conservation of wildlife, environment protection in compliance to the monitoring committee/ task force/Hon'ble Supreme Court.

EAC noted the submission of PP and stated that since the monitoring committee as well as the sub-committee has not undertaken any site visit, the proposal cannot be considered at this stage. EAC opined that PP should request the monitoring committee to conduct a site visit of the project at the earliest and thereafter resubmit its amendment proposal along with Action Taken Report (ATR) on observations of monitoring committee.

In view of the above EAC recommended to **return the proposal in present form.**

2.2 Sijimali Bauxite Mine (Auctioned Block) (Area: 1549.022 ha) with Proposed Bauxite Production Capacity: 9.00 Million TPA, Top Soil: 0.18 Million TPA, Waste: 7.40 Million TPA & Subgrade: 1.42 Million TPA; (Total Excavation: 18.00 Million TPA) along with Installation of 2 Crushers (2 x 1200 TPH) of M/s Vedanta Limited located at Tehsil: Thuamul Rampur & Kashipur, Districts: Kalahandi & Rayagada, State: Odisha. - For Environment Clearance (EC) reg.

[Proposal No.: IA/OR/MIN/453451/2025, File No. J-11015/6/2023-IA-II (NCM), EIA Consultant - J. M. Environet Pvt. Ltd]

This proposal is for Environment Clearance (EC) of Sijimali Bauxite Mine (Auctioned Block) (Area: 1549.022 ha) with Proposed Bauxite Production Capacity: 9.00 MTPA, Top Soil: 0.18 Million TPA, Waste: 7.40 Million TPA & Subgrade: 1.42 Million TPA; (Total Excavation: 18.00MTPA) along with Installation of 2 Crushers (2 x 1200 TPH) of M/s Vedanta Limited located at Tehsil Thuamul Rampur & Kashipur, Districts Kalahandi & Rayagada, State Odisha.

2. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	Sijimali Bauxite Mine (Auctioned Block) (Area: 1549.022 ha) with Proposed Bauxite Production Capacity: 9.00 Million TPA, Top Soil: 0.18 Million TPA, Waste: 7.40 Million TPA & Subgrade: 1.42 Million TPA; (Total Excavation: 18.00 Million TPA)along with Installation of 2 Crushers (2 x 1200 TPH) located at Tehsils Thuamul Rampur & Kashipur, Districts Kalahandi & Rayagada, State Odisha.
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Location	Villages	Aliguna, Ambajhola, Bundel, Chulbari, Dumerpadar, Katibhata, Kutamal, Mahajal, Malipadara, Nakarundi, Pelanakona, Sagabari, Salabali, Tala Ambapadar, Taradei, Taramundi, Tijamali, Upar Ambapadar
	Tehsil/Taluka	Tehsil: Thuamul–Rampur in Kalahandi district, Tehsil: Kashipur in Rayagada district
	District	Kalahandi & Rayagada
	State / UT	Odisha
	Latitudes	Latitude: 19°28'42.42" to N 19°32'02.35" N
	Longitudes	Longitude: 83°06'04.66" E to 83°09'49.81" E
	Sol Toposheet No.	Core zone: E44F2(65 M/2) & E44F3(65 M/3) Buffer zone: E44F2(65 M/2) & E44F3(65 M/3), E44F14(65 I/14) & E44F15(65 I/15)
Company's Name	M/s Vedanta Limited.	
Accredited Consultant and certificate no. and Validity	JM EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No. NABET/EIA/23-26/SA 0250, dated 25.07.2025 Validity: 07.08.2026	
KML file	KML has been uploaded during the Final EIA/EMP submission & same is also enclosed herewith	
Seismic zone	Zone - II as per IS:1893 (Part - I): 2025	

ii. Category details:

Category of the project	Category "A", Project or Activity 1(a) for Mining of Mineral, Project or Activity 1(a)-(3)
Schedule No.	Project or Activity 1(a) (3) for Mining of Mineral
Mining lease Area (MLA) (in ha)	As per DGPS: 1549.022 ha and as per RoR: 1548.786 ha
General Conditions (if any)	Not Applicable

iii. ToR/EC Details:

This block was granted to M/s. Vedanta Ltd. having the area of 1549.022ha through E-auction dated 09.02.2023 and accordingly Govt. of Odisha issued the Letter of Intent on 01.03.2023 in favour of M/s. Vedanta Ltd. and the LOI is valid for 3 years.

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
25.03.2023	IA/OR/MIN/423359/2023	17 th EAC held on 11.07.2023	ToR was granted	14.08.2023
23.08.2025	IA/OR/MIN/546831/2025	50 th EAC held on 12.09.2025 for ToR Amendment	Amendment ToR Letter was granted	27.10.2025

Date of application	Proposal No/ File No	Consideration by EAC	Details of EC	Date of accord
13.12.2025	MoEF&CC File No. IA-J-11015/6/2023-IA-II(NCM), Proposal No. IA/OR/MIN/453451/2025	1 st EAC to be held on 27.02.2026 for EC	-	-

iv. Details of Mine Lease in Chronological Manner:

S. No.	Prospecting License/ Letter of Intent (Lol)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Letter of Intent (Lol)	01.03.2023	Bauxite	3 years	Govt. of Odisha	1549.022

The Letter of Intent (LOI) for grant of mining lease over an area of 1549.022 ha has been issued by Govt. of Odisha vide letter no SM-MC2-MC-0006-2023/2103/S&M dated 01.03.2023. It is valid up to 28.02.2026 for 03 years.

S. No.	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1	Mine lease will be executed for 50 years from the date of lease execution	-	-	Bauxite	1549.022

v. Land Use/ Land Cover of the Mine lease area:

Private land	129.089 Ha
Government land	711.493 Ha
Forest land	708.204 Ha
Total Mining lease area (MLA), ha	1548.786 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure is proposed outside the Mine Area
Additional information (if any)	According to DGPS total ML Area is 1549.022 ha; out of which 130.215 ha is Pvt. Land, 709.086 ha is Govt. Land and 709.721 ha is Forest Land whereas as per ROR total ML Area is 1548.786 ha; out of which 129.089 ha is Pvt. Land, 711.493 ha is Govt. Land and 708.204 ha is Forest Land.

vi. Mining Plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/ DMG)	Letter No.	MCDR-MiFL0BXT/4/2023-BBS-IBM_RO_BBS
	Date	16.08.2023
	Mineral & (Major/Minor)	Major Mineral
	Mine Lease Area, Ha	As per DGPS 1549.022 ha and as per ROR 1548.786 ha
	Validity	Mining Plan is valid for 5 years

Additional information (if any)	Modification of Mining Plan approved with letter no.MMP-2411/2025-26-IBM_RO_BBS, dated 11.12.2025
Mining Parameter	Quantitative Description
Method of Mining	Fully Mechanized Opencast Method
Drilling/Blasting	HEMM with deep hole drilling & blasting with combination of loaders & tippers.
Geological Reserves & Resources	311.006 Million Tonnes (Mineable Reserve: 299.58 Million Tonnes & Blocked Resource: 11.42 Million Tonnes) 445.152 Million Tonnes including Aluminous Laterite and High Silicate Bauxite (below Bauxite threshold value minerals)
Mineable Reserves	299.58 Million Tonnes
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Top Soil: 0.18 Million TPA, Waste: 7.40 Million TPA & Subgrade: 1.42 Million TPA; (Total Excavation: 18.00 Million TPA)
Life of mine	~31 Years
Mine Bench Height & Bench Width	8 m height and 20 m width
No. of Mine Benches	5
Existing Depth, m bgl	This is a Proposed Mine
Ultimate Depth of Mining, m bgl	45m bgl
Ground Water Table, m bgl	Pre-Monsoon: 680 to 581m AMSL (585 to 345m bgl) Post Monsoon: 683 to 584m AMSL (582 to 343m bgl)
Details of ground water intersection	According to groundwater level monitoring data, depth of water level is varying from Pre-Monsoon: 680 to 581m AMSL (585 to 345m bgl) Post Monsoon: 683 to 584m AMSL (582 to 343m bgl). The mineral availability and depth of mine working will go up to 45m bgl at conceptual stage; therefore, ground water will not be intersected due to mining activities.
Individual bench slope	85 degree

Overall pit slope	30 degree
Details of existing/ proposed Crusher	2400 TPH
Mineral Beneficiation	Not involved As per EIA Notification dated 14 th September, 2006 as amended from time to time, the project falls under Category "A", Project or Activity 1 (a) – 3
RoM output size	150 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	The bauxite will be transported from mine face to crusher or ROM ore stock pile by rear dump trucks. The bauxite will be loaded by front end loaders or hydraulic excavators. Crushed bauxite will be transported up to the railway siding by covered trucks and from the railway siding up to plant by rail.
Generation of Topsoil/OB & its Management during plan period & conceptual period	At conceptual stage estimated 4.78 million tonnes of top soil will be generated and same will be used for greenbelt/plantation.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	At conceptual stage, estimated 204.29 million tonnes of waste will be generated. Waste will be used to backfill the 1205.13 ha excavated area. Later on, backfilled area will be rehabilitated by plantation & re-grassing. Subgrade will be stacked separately at the earmarked site & it will be blended with high grade mineral in future as per the plant demand, if required.
Additional information (if any)	This is the Bauxite Mining Project and has a shallow depth mining and the waste generated will be used as concurrent backfilling.

vii. Water Requirement:

Total water requirement	725 KLD	Fresh water	575
		Treated water	150
Source	The water will be sourced from the Surface Water & Harvested Rain Water.		

Permission for withdrawal/ intersection along with details of grant and its validity	<p>NOC has been obtained from CGWA for 380 KLD ground water vide NOC No. CGWA/NOC/MIN/ORIG/2024/19946, dated 26.02.2024 and same is valid up to 25.02.2026.</p> <p>Extension of NOC obtained from CGWA for 380 KLD ground water vide NOC No. CGWA/NOC/MIN/REN/1/2026/12030, dated 14.01.2026 and same is valid up to 25.02.2028.</p>
Additional information (if any)	-

viii. Nearest Village / Town/ Highway/ Interstate Boundary/ Railway Station/ Water Bodies/ Monument/ Forests:

Particular	Villages	Directions
Village	Habitation	Village Malipadar (Dist. Rayagada) & Tijimali (Dist. Kalahandi) falling within Mine Lease
Town	Bhawanipatna	~39 Km in North direction
Highway	SH-44	~1.5 km in West direction
Interstate Boundary	Rayagada & Kalahandi	-
Railway Station/Railway Line	Sikarpai	~ 20 km in SE direction
Water Bodies	<ul style="list-style-type: none"> ➤ Chauladhoba Nallah (~0.4 km in South direction) ➤ Naragul Nallah (~1.0 km in ESE direction) ➤ Barha Nadi (~ 1.5 km in NNE direction) ➤ Panamunda Nallah (~3.0 km in NE direction) ➤ Khadiapani Nallah (~5.0 km in SSW direction) ➤ Dundapata Nallah (~6.0 km in NE direction) ➤ Naghulu Nadi (~6.5 km in WSW direction) ➤ Ghudhughudnua Nadi (~8.0 km in WSW direction) ➤ Sujingabandha Nallha (~8.0 km in SW direction) 	

Forest	<ul style="list-style-type: none"> ➤ Reserve Forest ➤ Reserved Forest ➤ Melaghara RF ➤ Songer RF ➤ Katibhata RF ➤ Mohanagiri RF ➤ Khakes RF ➤ Mohanagiri RF ➤ Bijaynagara RF ➤ Ladakhman RF ➤ Dhanda RF ➤ Kalagan RF ➤ Ajaygarh RF ➤ Ampadar RF ➤ Kospari RF ➤ Kharkhaman RF ➤ Indravati RF ➤ Mandibishi RF ➤ Bijaynagar RF ➤ Reserved Forest ➤ Bijepur RF ➤ Rastugurha RF 	<p>Within the Mine site</p> <p>(~1.0 km in NW direction)</p> <p>(~1.5 km in NNE direction)</p> <p>(~2.0 km in SW direction)</p> <p>(~2.0 km in SSW direction)</p> <p>(~2.5 km in NE direction)</p> <p>(~4.0 km in NNW direction)</p> <p>(~4.0 km in ESE direction)</p> <p>(~4.0 km in ESE direction)</p> <p>(~4.0 km in WSW direction)</p> <p>(~4.5 km in South direction)</p> <p>(~5.0 km in South direction)</p> <p>(~6.0 km in ESE direction)</p> <p>(2.0 km in NNW direction)</p> <p>(~6.0 km in NNW direction)</p> <p>(~7.0 km in North direction)</p> <p>(~7.5 km in NW direction)</p> <p>(~7.5 km in SSE direction)</p> <p>(~8.0 km in ESE direction)</p> <p>(~9.0 km in NNW direction)</p> <p>(~9.5 km in NE direction)</p> <p>(~9.5 km in SSE direction)</p>
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ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/ letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area	Yes	The Company has applied for the Forest diversion application on PARIVESH 2.0 vide proposal No.

and (if yes) status of Forest Clearance		FP/OR/MIN/QRY/470250/2024, dated 18.05.2024 for diversion of Forest land of 708.204 ha. Proposal considered before the 12 th FAC on 02.12.2025 and as per the MoM published on dated 12.12.2025, the FAC recommended the proposal for the grant Stage-I/In-Principle Approval. The Forest Clearance Stage-I approval was granted on 31.12.2025.
National Park	No	National Park is not located within 10 km of the area.
Wildlife Sanctuary	No	Wildlife Sanctuary is not located within 10 km of the area. A Location Map has been authenticated by the Forest Dept. vide memo No. 2550/4F(Misc.)1912/2023, dated 01.07.2023 and vide letter no. 3567/3F-(Lease)/2023, Bhawanipatna, dated 03.07.2023. According to this, the Karlapat Wildlife Sanctuary is located at 12.723 km distance in North direction and its proposed ESZ is located at 11.621 km distance in North direction from Proposed Sijimali Bauxite Mine.
Elephant/Tiger Reserve	No	No Elephant/ tiger reserves is located within 10 km of the area.
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	A Location Map has been authenticated by the Forest Deptt. vide memo No. 2550/4F(Misc.)1912/2023, dated 01.07.2023 and vide letter no. 3567/3F-(Lease)/2023, Bhawanipatna, dated 03.07.2023. According to this, the Karlapat Wildlife Sanctuary is located at 12.723 km distance in North direction and its proposed ESZ is located at 11.621 km distance in North direction from Proposed Sijimali Bauxite Mine.
Coastal Regulation Zone (CRZ)	No	The proposed mine is located in District Kalahandi & Raygada of State Odisha, which is not a coastal zone. Therefore, the proposed mine does not come under purview of CRZ.
Schedule-I species (No.s and name of schedule-I species)	-	According to the field survey of the area, according to (IWPA) Indian Wildlife Protection Act, 1972 as amended on 20.12.2022 and as per the

with authenticated letter)		Approved Site-Specific Wildlife Conservation Plan (SSWLCP) for the Sijimali mining lease area, there are 24 Schedule I species were found within 10 km study area. Regarding conservation of the 24 Schedule I species a detailed Wildlife Conservation Plan has been prepared and approved by the PCCF-WL cum CWLW Odisha vide letter No. 9718, dated 16.08.2024.
Wildlife Conservation Plan	-	

x. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	Greenbelt will be developed on 32.87 ha area with 82,175 nos of saplings @ 2500 and 1205.13 ha area will be covered under plantation/regrassing with 1205130 nos of saplings @ 1000
Budget for green plant & plantation till the end of life of mine.	Total nos of saplings 12,87,305 Budget Proposed: Rs. 25.74 Crore
Budget for nursery	15 Lakh
Details of existing plantation and its survival rate	Not Applicable, as it is proposed mine
No. of tree cuts in the mine lease area and compensatory afforestation	The nos of tree cutting will be ascertained after the tree enumeration and compensatory afforestation will be done accordingly.
Particulars for Greenbelt/plantation	Area covered (In Ha)
7.5 m barrier & non-mineralized zone	32.87 Ha
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-

xi. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	Study Period: Summer Season (March to May, 2023)
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Detail study of Baseline, Hydro geological study and Traffic study has been incorporated in EIA/EMP Report.
Predominant Wind direction (From)	South
Ambient Air Quality (no. of locations) and results	<p>At 10 Locations</p> <p>For Core Zone</p> <p>PM10: 33.7 to 45.7 $\mu\text{g}/\text{m}^3$</p> <p>PM2.5: 16.9 to 25.0 $\mu\text{g}/\text{m}^3$</p> <p>NO2: 7.3 to 10.7 $\mu\text{g}/\text{m}^3$</p> <p>SO2: 4.2 to 6.0 $\mu\text{g}/\text{m}^3$</p> <p>CO - BDL</p> <p>For Buffer Zone</p> <p>PM10: 38.5 to 69.2 $\mu\text{g}/\text{m}^3$</p> <p>PM2.5: 18.9 to 43.8 $\mu\text{g}/\text{m}^3$</p> <p>NO2: 7.7 to 20.6 $\mu\text{g}/\text{m}^3$</p> <p>SO2: 4.5 to 10.1 $\mu\text{g}/\text{m}^3$</p> <p>CO: 0.52 to 0.60 mg/m^3</p>
Noise level (no. of locations) and results	<p>At 10 Locations</p> <p>For Industrial Zone:</p> <p>During day time – 45.2 to 45.2 Leq. dB (A)</p>

	<p>During night time – 35.0 to 35.0 Leq. dB (A)</p> <p>For Residential Zone:</p> <p>During day time – 46.2 to 52.0 Leq. dB (A)</p> <p>During night time – 36.5 to 42.0 Leq. dB (A)</p>
Surface Water Quality (no. of locations) and results	<p>At 02 Locations</p> <ul style="list-style-type: none"> ➤ pH - 7.39 to 7.55 ➤ Total hardness- 95.08 to 115.25 mg/l ➤ Total dissolved solids – 256.0 to 308.0 mg/l ➤ Alkalinity – 60.0 to 91.0 mg/l ➤ Fluoride- 0.13 to 0.18 mg/l ➤ Conductivity – 365 to 438 μS/cm ➤ COD – 13.5 to 19.0 mg/l ➤ BOD – 4.3 to 6.2 mg/l ➤ DO- 7.0 to 7.6 mg/l
Ground Water Quality (no. of locations) and results	<p>At 10 Locations</p> <ul style="list-style-type: none"> ➤ pH - 6.79 to 7.46 ➤ Total Hardness – 118.0 to 207.2 mg/l ➤ Alkalinity – 96.0 to 205.0 mg/l ➤ TDS – 198.0 to 380.0 mg/l ➤ Chloride – 39.6 to 90.9 mg/l ➤ Sulphates – 20.20 to 57.23 mg/l ➤ Nitrates – 2.36 to 6.92 mg/l ➤ Calcium – 21.45 to 48.1 mg/l ➤ Magnesium – 13.18 to 20.90 mg/l ➤ Iron – 0.05 to 0.18 mg/l ➤ Fluoride – 0.06 to 0.28 mg/l
Soil Quality (no. of locations) and results	<p>At 10 Locations</p> <ul style="list-style-type: none"> ➤ pH - 6.58 to 7.36 ➤ Water Holding Capacity – 42.37 to 50.86 mg/kg ➤ Porosity – 47.68 to 56.81 mg/kg ➤ Organic Matter – 1.31 to 1.67 % ➤ Chloride – 98.67 to 238.64 mg/kg ➤ Available Nitrogen – 459.9 to 832.27 mg/kg ➤ Available Phosphorus – 27.0 to 70.32 mg/kg ➤ Calcium – 1062.34 to 2058.64 mg/kg ➤ Magnesium – 350.24 to 20.90570.75 mg/kg ➤ SAR – 0.62 to 0.92
Hydro geological	<p>During initial 2 years, total water requirement is 480 KLD, same will be sourced from bore well out of which the groundwater requirement is</p>

<p>study and results</p>	<p>380 KLD. After the 3rd year onwards total water requirement will be 725 KLD, out of which the groundwater requirement is 575 KLD.</p> <p>NOC has been obtained from CGWA for 380 KLD ground water vide NOC No. CGWA/NOC/MIN/ORIG/2024/19946, dated 26.02.2024 and same is valid up to 25.02.2026.</p> <p>Extension of NOC has been obtained from CGWA for 380 KLD ground water vide NOC No. CGWA/NOC/MIN/REN/1/2026/12030, dated 14.01.2026 and same is valid up to 25.02.2028.</p> <p>According to groundwater level monitoring data, depth of water level is varying from Pre-Monsoon: 680 to 581m AMSL (585 to 345m bgl) Post Monsoon: 683 to 584m AMSL (582 to 343m bgl). The mineral availability and depth of mine working will go up to 45m bgl at conceptual stage; therefore, ground water will not be intersected due to mining activities.</p>
<p>Traffic study (no. of locations) and results</p>	<p>Mineral will be transported to existing Alumina Refinery Plant of Vedanta Limited which is located in Lanjigarh District of State Odisha. Crushed bauxite will be transported up to the railway siding by covered trucks via road and from the railway siding i.e. Leliguma and Tikiri up to the plant by rail.</p> <p>Traffic Survey has been counted at 4 locations viz. SH-44 (Near Village Adatakari), SH-44 (Near Village Kashipur), Village Road Mandibisi Sikarpai Chowk to Leliguma Station and at Tikiri Road.</p> <p>Level of Service (LOS) of Existing Traffic Scenario was found “A” at each road whereas LOS of Modified Traffic Scenario will be “A” at SH-44 (Near Village Adatakari), SH-44 (Near Village Kashipur), and “E” was found at Village Road Mandibisi Sikarpai Chowk to Leliguma Station and at Tikiri Road.</p> <p>Road construction from mine top to bottom which will connect to SH-44 (3.4 km length & 11.314 ha area), will be constructed by the PWD and budget will be submitted by the Vedanta Ltd. Besides this, strengthening and widening of village road connecting to Railway Siding will also be done by the Vedanta Ltd. Budget proposed for road construction is Rs. 56 crore and for strengthening & widening of road is Rs. 23.10 crore.</p>

xii. Public Hearing (PH) Details

<p>Advertisement for PH with date (pl. mention name of major national daily</p>	<p>National Level/Local Level:</p>
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and one regional vernacular daily newspaper)	<p>“Indian Express & Prameya” in English & Local language respectively for Rayagada District on 14.09.2023</p> <p>“Times of India & Dharitri” in English & Local language respectively for Kalahandi District on 14.09.2023</p>
Date of PH	<p>16.10.2023 at 10:00 AM in Rayagada District</p> <p>18.10.2023 at 10:00 AM in Kalahandi District</p>
Venue	<p>Rayagada District: Trinath Dev High School, Sunger of Kashipur Tehsil, District: Rayagada</p> <p>Kalahandi District: Kerpai GP Head Quarter, Thuamul Rampur, District: Kalahandi</p>
Chaired by	<p>Chaired by:</p> <p>Rayagada District</p> <p>Shri Ashok Kumar Bhoi, Regional Officer, SPCB Rayagada, Regional Officer, SPCB, Rayagada</p> <p>Shri Rameswar Pradhan, OAS (S), Additional District Magistrate, Rayagada</p> <p>Kalahandi District</p> <p>Shri Ashok Kumar Bhoi, Regional Officer, SPCB Rayagada, Regional Officer, SPCB, Rayagada</p> <p>Shri Tanmaya Kumar Darwan, OAS (SAG), Additional District Magistrate, Kalahandi</p>
Main issues raised during PH	<p>Land Compensation, Employment, Livelihood, Drinking Water, Flora & Fauna, Pollution, Nearby Area Development etc.</p>
Budget proposed for addressing issues raised during PH over 3 years	<p>Budget earmarked to address the Public Hearing issues is Rs. 11.98 Crore as Capital Cost & Rs. 0.54 Crore/Annum as Recurring Cost.</p>

Additional information (if any)	-
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xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particular	Details of Letter along with date of grant and validity
Consent to Establish	Odisha SPCB has submitted the comments on CTE as raised by MoEF&CC as per the OM dated 14.01.2025
Consent to Operate	It will be obtained.
Certified Compliance Report and Inspection date	This is greenfield project hence; it is not applicable.
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	This is greenfield project hence; it is not applicable.

xiv. Rehabilitation and Resettlement:

R & R details	<p>The area of proposed mine is 1549.022 ha (as per DGPS) and 1548.786 (as per ROR). Out of the total mine area, as per ROR, 708.204 ha is Forest Land, 129.089 ha is Private Land and 711.493 ha is Govt. Land whereas as per DGPS, 709.721 ha is Forest Land, 130.215 ha is Private Land & 709.086 ha is Govt. Land.</p> <p>Status of Private Land acquisition: 129.089 Ha in Villages Malipadar & Tijimali</p> <ol style="list-style-type: none"> 1. Notification under Section 4 (1) completed for Malipadar on 29th July 2024 and for Tijimali on 29th July 2024. 2. Notification under Section 11 (1) completed for Malipadar on 9th April 2025 and for Tijimali on 6th May 2025. 3. The final R&R scheme has been approved for both Malipadar & Tijimali on 3rd February 2026. 4. The declaration of Section 19 (1) is completed for Malipadar on 3rd February 2026 and for Tijimali on 5th February 2026 <p>During Final EIA submission total nos of PAFs and PDFs are 162 (Tijimali: 84 & Malipadar; 78) and budget proposed for R&R compensation matrix was Rs. 130.0724 Crore.</p>
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	<p>As per SIA details and approved R&R scheme dated 03.02.2026 and 19(1) Notification, dated 03.02.2026 & 05.02.2026 there are 129 PDFs (Tijimali: 51 & Malipadar; 78) who will be displaced due to proposed bauxite mine.</p> <p>Now, budget proposed for R&R compensation matrix has been increased from Rs. 130.0724 Crore to Rs. 182.12 Crore.</p> <p>For permanent resettlement of above PDFs, the land has been identified at two locations namely Kurkuti & Chandgiri for construction of R&R colonies in both the districts. The same land also has also been sanctioned by district authorities for both the districts. Request letter to the Collectors Rayagada and Collector Kalahandi for permission of construction by M/s. Vedanta dated 24.10.2025.</p>
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xv. Court Case Details:

<p>Court Case, No and its present status</p>	<p>1 (one) case is pending/ filled under the provisions of MMDR Act, 1957.</p> <p>L&T had filed a petition before the Hon'ble Orissa High Court praying inter alia for direction to be issued for grant of Mining Lease for the Sijimali Bauxite Block as per the provisions of MMDR Act, 1957. Hon'ble Orissa High Court vide its order dated 02.03.2023 dismissed the petition of L&T holding that it had violated the terms of its Prospecting License and was not entitled to get the Mining Lease for the aforementioned block. L&T has filed an SLP before the Hon'ble Supreme Court challenging the order of the Hon'ble High Court.</p> <p>The case was taken up for hearing on 19.10.2023. The hearing was adjourned and the matter has been directed to be listed on 23.01.2024. Further the matter was listed before the Registrar on date 07.04.2025.</p> <p>It was also directed that the matter be processed for listing before the Hon'ble Court as per rules, and allowed time for filing counter affidavits. On 26.11.2025 the batch of matter arising out of Odisha has been listed for hearing on 04.02.2026. Further on 04.02.2026, the matter was de-tagged and to be heard separately on 25.02.2026.</p> <p>The Govt. of Odisha had conducted an auction for the Sijimali Bauxite Block as per the MMDR Act and Vedanta Ltd. has been declared as the successful bidder for the same. Subsequently, LOI has also been issued by the Govt. of Odisha to the Vedanta</p>
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	Ltd. for the same. Vedanta Ltd. was not made a party to the case both at the High Court and Supreme Court level.
Undertaking by Project Proponent w.r.t court case	Undertaking is enclosed with detail status of the pending case.

xvi. Affidavit/ Undertaking Details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted an Affidavit dated 13.11.2025 in accordance with the statutory requirement & judgment of Hon'ble Supreme Court dated 2nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ores.
Undertaking by Project Proponent in EIA/ EMP report	PP has submitted an undertaking vide letter dated 13.12.2025 in EIA/EMP report.
Undertaking by Consultant in EIA/EMP report	EIA-Consultant has submitted an undertaking vide letter dated 12.12.2025 in EIA/EMP report.
Plagiarism Certificate	PP has submitted the plagiarism certificate with EIA/EMP report.

xvii. EDS/ ADS Details:

The EDS/ADS had previously been raised during the EAC meeting or on the Parivesh portal. It shall be presented in chronological order, from the earliest to the latest, with both the date of the EDS/ADS and the date of the corresponding reply.

Essential details were sought on 25.01.2024 and Reply was submitted on 10.07.2025.

S. No.	EDS Point	Reply by Project Proponent
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<p>1</p>	<p>The matter has been examined in the Ministry and it is found that the total mine lease area is 1549.022 ha, out of which Forest land is 157.901 ha and Non-Forest Land is 1391.121 ha. It is also noted that the Project Proponent submitted the proposal for Forest Clearance in PARIVESH 2.0 vide Proposal No. FP/OR/MIN/QRY/431317/2023 dated 29.05.2023 and Project Screening Committee (PSC) rejected the proposal and directed to file a fresh and complete proposal. As on date, the Project Proponent is not having the Stage-I FC for the entire forest land. It is to reiterate that the Hon'ble Supreme Court of India in its order of 6th July 2011 issued guidelines so as to not create a fait accompli situation in the matter of diversion of forest land under the FCA, 1980. Therefore, in the case of new mining leases/projects having forest land in part or in full, approval under FCA for diversion of entire forest land located within the mining lease/project is to be obtained before execution/renewal of mining lease/project. Hence, the Project Proponent is requested to submit the Stage-I FC for the entire forest land within the mine lease area and justification for difference in mine lease area during ToR (Pvt land: 127.9 ha, Govt. land: 722.9 ha, Forest land: 699.7 ha) and EC (Forest land: 157.901 ha and Non-Forest Land: 1391.121 ha) with supporting document and also to explain why the amendment in ToR has not been obtained in this regard.</p>	<ul style="list-style-type: none"> ➤ The mine lease was auction on 09.02.2023 with total mine lease area 1549.022 ha comprising 157.901 ha forest land and 1391.121 ha Non-Forest Land. ➤ On the basis of the same ToR Application was submitted on PARIVESH 2.0 Web Portal on 25.03.2023. ➤ Land schedule has been revised by the Forest & Revenue Dept. on the basis of ROR on 17.05.2023; with revised Forest Land from 157.901 ha to 699.70 ha and accordingly land details has been revised i.e. Pvt land: 127.9 ha, Govt. land: 722.9 ha, Forest land: 699.7 ha. ➤ Online Application for Forest Clearance (699.7 ha Forest Land) was submitted on PARIVESH 2.0 on 29.05.2023 with Proposal No. FP/OR/MIN/QRY/431317/2023. ➤ Technical Presentation (ToR Approval) held before 15th EAC (Non-Coal Mining) Meeting on 30.05.2023. ➤ During ToR Appraisal, we have updated the revised land details and accordingly obtained the ToR Letter on 14.08.2023 with revised land details i.e. Pvt land: 127.9 ha, Govt. land: 722.9 ha, Forest land: 699.7 ha; as the ToR Letter was granted with 699.70 ha of Forest Land; hence, the amendment in ToR Letter was not required. ➤ The FC proposal was considered by the 14th meeting of Project Screening Committee (PSC) and proposal was rejected & further delisted on 02.06.2023. ➤ Further, as per the 25.04.2024 Report of the DGPS Survey
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		<p>conducted by the ORSAC the total forest area revised from 699.70 ha to 708.204 ha mainly due to addition of FRA & Notified CA land i.e. 8.504 ha area which was earlier recorded as Govt. land.</p> <ul style="list-style-type: none">➤ However, it is important to note that, the overall DGPS area has remain unchanged for the mining lease and is in line with the ToR granted by the MoEF&CC.➤ Therefore, M/s. Vedanta Ltd. has applied the Forest diversion application for 708.204 ha Forest land on PARIVESH 2.0 vide proposal No. FP/OR/MIN/QRY/470250/2024, dated 18.05.2024. Present status of Stage -I FC with major milestones are given below:<ul style="list-style-type: none">✓ Acceptance of proposal by the Project Screening Committee: dt 15.07.2024✓ Site visit by DFO, RCCF & CCF (Nodal): dt 17.12.2024✓ Proposal recommended by DFO in Part-II: dt 03.02.2025✓ Proposal recommended by RCCF in Part-II: dt 04.02.2025✓ Proposal recommended by CCF (Nodal) in Part-III: dt 26.03.2025✓ Proposal recommended by State to MoEF&CC, New Delhi in Part-IV: dt 08.04.2025✓ Site visit by the IRO, MoEF&CC was done during 2nd July to 4th July, 2025. <p>Copy of the letter forwarded/recommended by the State Govt. to the MoEF&CC, New Delhi, dated 08.04.2025 is enclosed with EDS Reply.</p>
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xviii. Essential details were sought on 01.08.2025 and Reply was submitted on 13.12.2025.

S. No.	EDS Point	Reply by Project Proponent
1	<p>The PP submitted that as per the 25.04.2024 report of the DGPS Survey conducted by the ORSAC the total Forest area has been revised from 699.70 ha to 708.204 ha mainly due to addition of FRA & Notified CA land i.e. 8.504 ha area which was earlier recorded as Govt. Land.</p> <p>PP in its reply has also not explained the reasons for not seeking ToR amendment in light of change in FC area within ML area as asked in the EDS dated 25.01.2024. In this connection, PP is again requested to clarify the reasons for not seeking amendment in ToR, prior to submission of the instant proposal for EC.</p>	<ul style="list-style-type: none"> ➤ The mine lease was auctioned on 09.02.2023 with total mine lease area 1549.022 ha comprising 157.901 ha forest land and 1391.121 ha Non-Forest Land. ➤ After authentication of land schedule by revenue department the land details changes to i.e. Pvt. land: 127.9 ha, Govt. land: 722.9 ha, Forest land: 699.7 ha. ➤ Online Application for Forest Clearance (699.70 ha Forest Land) was submitted on PARIVESH 2.0 on 29.05.2023 with Proposal No. FP/OR/MIN/QRY/431317/2023. ➤ Technical Presentation (ToR Approval) held before the 15th EAC (Non-Coal Mining) Meeting held on 30.05.2023. ToR Letter was issued on 14.08.2023 with land details i.e. Pvt. land: 127.9 ha, Govt. land: 722.9 ha, Forest land: 699.7 ha. ➤ The FC proposal was considered by the 14th meeting of the Project Screening Committee (PSC) and proposal was rejected & further delisted on 02.06.2023. ➤ Further, as per the 25.04.2024 Report of the DGPS Survey conducted by the ORSAC, the total forest area revised from 699.70 ha to 708.204 ha mainly due to addition of FRA & Notified CA land i.e. 8.504 ha area which was earlier recorded as Govt. land. ➤ However, it is important to note that, the overall DGPS survey area has remained unchanged for the mining lease and is in line with the ToR granted by the MoEF&CC. ➤ Therefore, M/s. Vedanta Ltd. has applied the Forest diversion application for 708.204 ha Forest land on PARIVESH 2.0 vide proposal No. FP/OR/MIN/QRY/470250/2024, dated 18.05.2024. After due process, the Government of Odisha vide letter No. FE-DIV-

		<p>FLD-0017- 2025-8268/FE&CC, dated 08.04.2025 forwarded the above subject proposal to MoEF&CC online on PARIVESH 2.0 Web Portal on 09.04.2025. Copy of the same is enclosed with EDS Reply.</p> <ul style="list-style-type: none"> ➤ The proposal is “recommended for Stage-I/In-principle approval” for the diversion of 708.204 Ha (564.581 ha in Rayagada Forest Division + 143.623 ha in Kalahandi (South) Forest Division) in the 12th FAC meeting held on 02.12.2025. Copy of FAC-MoM is enclosed with EDS Reply. ➤ Essential Details were Sought by the MoEF&CC on 25.01.2024 and Reply was submitted on 10.07.2025 without taking the Amendment in ToR. ➤ Therefore, ToR Amendment Application was uploaded on PARIVESH 2.0 Web Portal on 23.08.2025 to get the amendment in ToR Letter, dated 14.08.2023 w.r.t revised forest land. ➤ EAC presentation for amendment in ToR Letter held on 12.09.2025 due to change in the category of land within the mining lease boundary. ToR Amendment Letter was issued by the MoEF&CC, vide Proposal No. IA/OR/MIN/546831/2025 and MoEF&CC File No. IA-J-11015/6/2023-IA-II (NCM), dated 27.10.2025.
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xix. Essential details were sought on 26.12.2025 and Reply was submitted on 29.12.2025.

S. No.	EDS Point	Reply by Project Proponent
1	Complete Mining Plan Document.	Modification of Approved Mining Plan for Revised Forest Area along with Mine Closure Plan Approved by IBM, Bhubaneshwar, Odisha vide Letter No. MMP-2411/2025-26-IBM_RO_BBS, dated 11.12.2025. Copy of the same is submitted along with EDS Reply.
2	Tangible and Monitorable PH (Public Hearing) Action Plan.	Revised Tangible and Monitorable PH (Public Hearing) Action Plan is submitted along with EDS Reply.

xx. Details of Environment Management Plan (EMP): (Rs in Lakh):

Capital Cost: Rs. 32 Crore

Recurring Cost: Rs. 3.0 Crore/Annum

S. No.	Activities	Capital Cost (Rs. In Lakh)	Recurring Cost (Rs. In Lakh)
A. Mitigative Measures			
1.	Permanent water sprinkling arrangements for main haulage road	30	10
2.	Bag-filter for crusher system (2 X 1200 TPH)	20	5
3.	Strengthening and widening of village road connecting to Railway Siding	2310.28	50
4.	Pollution Control Device	30	10
5.	Greenbelt/Plantation on 1238 ha area with 1288145 nos of saplings @ 2500		
	A. Greenbelt around 7.5 m periphery covering an area of 32.87 ha within initial 3 years (No. of saplings: 82175) (Considering Rs. 164.35 Lakh)	164.35	16.0
	B. Plantation/Regrassing 1205.13 ha on backfilled area (No. of saplings: 1205130) (Considering Rs. 2410.26 Lakh) (2 nd to 31 st year)	-	80.342
6.	Modular STP with MBBR	125	35
7.	Oil-Grease Separator	5.0	0.3
8.	Garland drain shall be made along the Quarries & Proposed dump and Stack yards (L*W*D) = [7511 x 1.5m (top) x 2 m]	15.02	1
9.	Construction of retaining walls around the plateau boundary & dump and stackyards the mine lease (L*W*H) =45422m x 1 m x 2m)	225.4	5
10.	Construction of loose boulder check dams at various location within the plateau (Height 0.6 m)	35.3	2
11.	Construction of Check dams within the garland drains (L*W*H) =1 mx0.7mx2m)	42	2
Sub Total		3002.35	216.642
B. Monitoring			

12.	03 nos. of Continuous Ambient Air Quality Monitoring Station at Mine Site for the measurement of air quality for PM10, PM2.5, SO2, NOx and CO and real time data connectivity with CPCB/SPCB Server	150	36
13.	Fugitive dust emission monitoring (05 locations * monthly)	5	2
14.	Ground water quality analysis (Pre and Post-monsoon)	5	1.5
15.	Procurement of the Blast Vibration Measuring Instrument & Noise level meter	5	2
16.	Controlled blasting for minimizing ground vibration, fly rock, air pressure/ noise, etc. by Using Nonel and Exel	-	15
17.	Ambient Noise Monitoring (06 locations * quarterly frequency)	5	0.5
18.	Work Place Noise Level Monitoring (06 locations * quarterly frequency)	5	1
19.	Providing Ear muffs/plugs to workers working in high noise area & PPEs	3.0	1.0
20.	Digital Mapping of entire mine area once in 5 years	-	5
21.	Occupational Health Check-up of Mines Employees	20	20
Sub Total		198	84
Total		3200.35	300.642

xxi. Details of project cost and employment:

Particular	Budget
Total cost of EMP (Capital Cost of EMP + capital cost of Public Hearing)	Capital Cost of EMP is Rs. 32 Crore & recurring Cost is Rs. 3.0 Crore + Public Hearing Cost is Rs. 11.98 Crore & recurring Cost is Rs. 0.54 Crore. Total cost is Rs. 43.98 Crore & recurring Cost is Rs. 3.54 Crore.
Project Cost	792 Crore
Employment	600 Persons

3. Observation and Recommendation of the EAC:

The instant proposal is for Environment Clearance (EC) of Sijimali Bauxite Mine (Auctioned Block) (Area: 1549.022 ha) with Proposed Bauxite Production Capacity: 9.00 MTPA, Top Soil: 0.18 Million TPA, Waste: 7.40 Million TPA & Subgrade: 1.42 Million TPA; (Total Excavation: 18.00MTPA) along with Installation of 2 Crushers (2 x 1200 TPH) of M/s Vedanta Limited located at Tehsil Thuamul Rampur & Kashipur, Districts Kalahandi & Rayagada, State Odisha.

The Project Proponent informed that the Letter of Intent (LoI) was granted on 01.03.2023 in favour of Vedanta Limited for a mining lease area of 1549.022 ha. The LoI is valid for a period of three years from the date of issuance, i.e., up to 28.02.2026. The PP also informed that a letter dated 25.02.2026 has been issued by the Directorate of Mines & Geology (DoMG) to the Additional Chief Secretary (ACS) regarding invocation of Clause 4.1 and Clause 4.2 of the Letter of Intent and extension of the validity of the LoI.

The PP presented the KML file indicating the salient features of the mine lease area. As per the KML, the mine block spans two tehsils, namely Kashipur in Rayagada District and Thuamul–Rampur in Kalahandi District. The proposed mine site is located at Village Malipadar (Rayagada District) and Village Tijimali (Kalahandi District) within the mine lease area. It was further informed that Chauladhoba Nallah is located at a distance of approximately 400 m towards the south of the mine lease area. The PP also informed that a Government Upper Primary School is located within 500 m of the mine lease boundary. Additionally, a small natural water reservoir exists within the mine lease area.

The PP informed that, as per the DGPS survey, the total mining lease (ML) area is 1549.022 ha, whereas as per the Record of Rights (RoR) the area is 1548.786 ha. The mine lease area falls in 18 villages, comprising 8 villages in Tehsil Kashipur, District Rayagada (Malipadar, Dumerpadara, Katibhata, Kutamal, Pelanakona, Aliguna, Bundel and Shagabari) and 10 villages in Tehsil Thuamul–Rampur, District Kalahandi (Tijimali, Chulbadi, Ambajhola, Mahajal, Nakarundi, Taramundi, Uparambpadar, Salebali, Tadadei and Talambpadar).

Further, as per the DGPS survey, out of the total 1549.022 ha, 130.215 ha is Private Land, 709.086 ha is Government Land, and 709.721 ha is Forest Land. As per the RoR, out of 1548.786 ha, 129.089 ha is Private Land, 711.493 ha is Government Land, and 708.204 ha is Forest Land.

PP has informed that the total water requirement during the initial phase of the project is 480 KLD, out of which 380 KLD will be met through groundwater extraction. It was further submitted that from the third year onwards, the total water requirement will increase to 725 KLD, out of which 575 KLD will be sourced from groundwater.

The PP informed that No Objection Certificate (NoC) for withdrawal of 380 KLD of groundwater has been obtained from the Central Ground Water Authority (CGWA) vide

NoC No. CGWA/NOC/MIN/ORIG/2024/19946 dated 26.02.2024, which was valid up to 25.02.2026. Further, as per PP extension of the NoC for withdrawal of 380 KLD of groundwater has been obtained from CGWA.

PP has reported that One season primary baseline data for ambient air quality, (as per CPCB quality Notification, 2009), water quality, noise level, soil and flora & fauna has been collected during Summer Season (Mar to May, 2023). It was observed that ambient air quality monitoring was carried out at 10 locations, wherein PM_{2.5} and PM₁₀ concentrations were monitored. Ambient noise levels were measured at 10 locations around the project site. Surface water monitoring was conducted at 2 sampling stations, while groundwater samples were collected and analyzed at 10 locations within the study area. Additionally, soil samples were collected from 10 identified locations for analysis.

PP has informed that no National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, or Wildlife Corridor is located within a 10 km radius of the study area. However, some patches of Protected Forest and 21 Reserved Forests lie within the study area. The location map of the project site has been authenticated by the Forest Department vide Memo No. 2550/4F(Misc.)1912/2023 dated 01.07.2023 and Letter No. 3567/3F-(Lease)/2023 dated 03.07.2023 issued from Bhawanipatna. It was further submitted that Karlapat Wildlife Sanctuary is located at a distance of 12.723 km in the north direction, while the proposed Eco-Sensitive Zone (ESZ) of Karlapat Wildlife Sanctuary is located at a distance of 11.621 km in the north direction from the proposed Sijimali Bauxite Mine.

The PP informed that a forest diversion proposal for 708.204 ha of forest land has been submitted through the PARIVESH 2.0 portal vide Proposal No. FP/OR/MIN/QRY/470250/2024 dated 18.05.2024. The proposal was considered by the Forest Advisory Committee (FAC) and recommended for grant of Stage-I (In-Principle) approval. Accordingly, Stage-I Forest Clearance was granted on 31.12.2025.

The PP further submitted that an Approved Site-Specific Wildlife Conservation Plan (SSWLCP) has been prepared in accordance with the provisions of the Indian Wildlife (Protection) Act, 1972 (as amended). As per the approved SSWLCP for the Sijimali mining lease area, 24 Schedule-I species have been reported within the 10 km study area. For the conservation of these 24 Schedule-I species, a detailed Wildlife Conservation Plan has been prepared and approved by the PCCF (Wildlife)-cum-Chief Wildlife Warden, Odisha, vide Letter No. 9718 dated 16.08.2024.

PP has informed that One court case is pending/ filled under the provisions of MMDR Act, 1957. L&T had filed a petition before the Hon'ble Orissa High Court praying inter alia for direction to be issued for grant of Mining Lease for the Sijimali Bauxite Block as per the provisions of MMDR Act, 1957. Hon'ble Orissa High Court vide its order dated 02.03.2023 dismissed the petition of L&T holding that it had violated the terms of its

Prospecting License and was not entitled to get the Mining Lease for the aforementioned block. L&T has filed an SLP before the Hon'ble Supreme Court challenging the order of the Hon'ble High Court. The case was taken up for hearing on 19.10.2023. The hearing was adjourned and the matter has been directed to be listed on 23.01.2024. Further the matter was listed before the Registrar on date 07.04.2025. It was also directed that the matter be processed for listing before the Hon'ble Court as per rules, and allowed time for filing counter affidavits. On 26.11.2025 the batch of matter arising out of Odisha was listed for hearing on 04.02.2026. Further on 04.02.2026, the matter was de-tagged and to be heard separately on 25.02.2026. The Govt. of Odisha had conducted an auction for the Sijimali Bauxite Block as per the MMDR Act and Vedanta Ltd. has been declared as the successful bidder for the same. Subsequently, LOI has also been issued by the Govt. of Odisha to the Vedanta Ltd. for the same. As per PP, Vedanta Ltd. was not made a party to the case both at the High Court and Supreme Court level.

The PP has submitted that the Mining Plan for the project has been approved by the Indian Bureau of Mines (IBM), Bhubaneswar, Odisha on 16.08.2023. Further, the PP submitted that the Modification of the Approved Mining Plan for the revised forest area along with the Mine Closure Plan has also been approved by IBM, Bhubaneswar, vide Letter No. MMP-2411/2025-26-IBM_RO_BBS dated 11.12.2025.

The PP has submitted that the excavated bauxite will be transported to the existing Alumina Refinery Plant of Vedanta Limited located at Lanjigarh in the State of Odisha. It was submitted that the crushed bauxite will be transported by covered trucks via road up to the railway sidings at Leliguma and Tikiri, and thereafter transported to the refinery plant through rail. EAC noted the submission of PP and advised to propose mitigate measures at the railway siding in accordance with CPCB guidelines.

The PP further informed that a traffic survey was conducted at four locations, namely: SH-44 (near Village Adatakari), SH-44 (near Village Kashipur), the village road from Mandibisi Sikarpai Chowk to Leliguma Railway Station, and Tikiri Road. Based on the study, it was reported that the Level of Service (LOS) under the existing traffic scenario is "A" at all locations. Under the modified traffic scenario, the LOS is projected to remain "A" at SH-44 near Village Adatakari and SH-44 near Village Kashipur, whereas it is expected to reduce to "E" on the village road from Mandibisi Sikarpai Chowk to Leliguma Railway Station and on Tikiri Road.

The PP further submitted that the road from the mine top to the mine bottom connecting to SH-44 (approximately 3.4 km in length covering an area of 11.314 ha) will be constructed by the PWD, with the budgetary provision to be borne by Vedanta Limited. In addition, the strengthening and widening of the village road connecting to the railway siding will be undertaken by Vedanta Limited. The proposed budget allocation is Rs. 56

crore for construction of the road and Rs. 23.10 crore for strengthening and widening of the existing road.

PP has submitted the updated status of private land acquisition for 129.089 ha in the villages of Malipadar and Tijimali. It was informed that the Notification under Section 4(1) of the relevant land acquisition provisions was completed for both villages on 29.07.2024. Subsequently, the Notification under Section 11(1) was completed for Malipadar on 09.04.2025 and for Tijimali on 06.05.2025. The final R&R Scheme for both villages was approved on 03.02.2026. Thereafter, the declaration under Section 19(1) was completed for Malipadar on 03.02.2026 and for Tijimali on 05.02.2026.

As per PP, the budget for the R&R compensation matrix has been revised upward from Rs. 130.0724 crore to Rs. 182.12 crore. For the permanent resettlement of the affected PDFs, land has been identified at two locations, namely Kurkuti and Chandgiri, for development of R&R colonies in the respective districts. The identified land has been sanctioned by the concerned district authorities. In this regard, M/s Vedanta Limited submitted request letters to the Collector, Rayagada, and the Collector, Kalahandi, on 24.10.2025 seeking permission for construction of the R&R colonies..

The Project Proponent submitted that notices for the Public Hearing were published in both national and local newspapers. For Rayagada District, the notices were published on 14.09.2023 in The Indian Express (English) and Prameya (local language). Similarly, for Kalahandi District, the notices were published on 14.09.2023 in The Times of India (English) and Dharitri (local language).

The Public Hearing was conducted on 16.10.2023 in Rayagada District and on 18.10.2023 in Kalahandi District. In Rayagada District, the Public Hearing was chaired by the Regional Officer, Odisha State Pollution Control Board (OSPCB), Rayagada, along with the Additional District Magistrate, Rayagada. Similarly, in Kalahandi District, the Public Hearing was chaired by the Regional Officer, OSPCB, Rayagada, along with the Additional District Magistrate, Kalahandi.

The major issues raised during the Public Hearing included land compensation, employment opportunities, livelihood concerns, drinking water availability, protection of flora and fauna, environmental pollution, and development of nearby areas. During the Public Hearing, Shri Kartika Naik from Banteji Village raised concerns regarding the number of streams originating from the Sijimali area as presented by the Project Proponent during the project description. He stated that the information provided by the PP regarding the presence of streams in the project area was incorrect, and claimed that several streams and nallahs originate from the Sijimali area rather than a single stream. He further mentioned that water streams and nallahs such as Chauladhoba Nallah, Naragul Nallah, Panamunda Nallah, Dundapata Nallah, Naghulu Nadi, Ghudhughudnua Nadi, and Sujingabandha Nallah, along with some other smaller streams, may be adversely affected due to the proposed mining activity. However, it was submitted that no documentary evidence or source of information regarding the existence of these streams and nallahs was provided by the individual.

To address the issues raised during the Public Hearing, the Project Proponent has proposed an action plan for a period of three years, with a capital expenditure of Rs. 11.98 crore and a recurring expenditure of Rs. 0.54 crore per annum.

The PP has submitted the budget for the Environmental Management Plan (EMP), with a capital cost of ₹32 crore and a recurring cost of ₹3.0 crore per annum. In addition, the budget allocated for addressing Public Hearing issues includes a capital cost of ₹11.98 crore and a recurring cost of ₹0.54 crore per annum. The total project cost is ₹792 crore.

The Committee, during the EAC meeting, noted the complaint received by the Ministry vide letter dated 19.02.2026. Some of the issues raised in the compliant vide letter dated 19.02.2026, are as follows:

- The Public Hearing was allegedly conducted in the undue presence of police and paramilitary personnel; Public Hearing for Kalahandi District was conducted beyond the 12 km radius of the study area; Improper address of oral submissions
- There was alleged chronic underrepresentation and suppression of facts regarding the presence of water bodies and aquifers in Sijimali.
- Nearby water bodies may be affected by blasting or drilling activities.
- Presence of medicinal plants, Kendu leaves, bamboo, sal, teak, and other timber species in forest areas.
- Concerns were raised regarding the location of wildlife areas, including Karlapat Sanctuary, and protection measures for elephant movement.
- Traditional livelihoods and flora may be adversely affected.

In response to the above complaint, the PP, vide letter dated 26.02.2026, submitted that the Sijimali Bauxite Mine is an auctioned block for which a Letter of Intent for grant of mining lease was issued by the Government of Odisha, Steel & Mines Department, on 01.03.2023. The Public Hearing for the proposed mine was conducted in accordance with the provisions of the EIA Notification, 2006 and its subsequent amendments, in the presence of the Regional Officer, State Pollution Control Board, and the Additional District Magistrate, following due procedure and in a peaceful environment.

PP submitted that the Public Hearing for Kalahandi District was conducted at Kerpai GP Headquarters, Thuamul Rampur, District Kalahandi, Odisha, on 18.10.2023, which is located approximately 2.3 km by road in the eastern direction from the Kalahandi portion of the proposed mine block.

In Rayagada District, a total of 13 oral submissions were received, and responses to these issues have been appropriately addressed. A budget of ₹11.98 crore as capital cost and ₹0.54 crore per annum as recurring cost has been earmarked to address the Public Hearing issues.

In the Kalahandi District Public Hearing, oral submissions made by attendees were included in the summary report as per stakeholder participation. The PP stated that there is no underrepresentation or suppression of facts in the EIA/EMP Report.

As per PP, within the 10 km study area, nine water bodies exist at distances ranging from 0.4 km to 8.0 km. The PP submitted that no wastewater will be discharged outside the mine area, thereby preventing mixing with surface water bodies. Adequate mitigation measures have been proposed and included in the Final EIA/EMP Report submitted to MoEF&CC.

The PP further stated that there are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger Reserves, or Wildlife Corridors within a 10 km radius of the mine area. A location map authenticated by the Forest Department, Bhawanipatna, dated 03.07.2023, has been submitted. MoEF&CC granted In-Principle (Stage-I) approval dated 31.12.2025. A site-specific Wildlife Conservation Plan, approved by the PCCF (Wildlife)-cum-CWLW on 16.08.2024, has been prepared with a total outlay of ₹34.44 crore, which includes provisions for wildlife protection, including elephant conservation measures.

The total budget proposed for environmental protection under the EMP is ₹32 crore, with a recurring cost of ₹3.0 crore per annum. At the conceptual stage, as per the approved Mining Plan, a total area of 1,238 hectares will be covered under greenbelt/plantation (including 1,205.13 hectares of backfilled area and 32.87 hectares along the 7.5 m mine periphery). The total budget proposed for greenbelt development and plantation is ₹25.74 crore.

The Committee desired that IA NCM Sector of the Ministry should obtain inputs from the Odisha State Pollution Control Board (OSPCB) to verify the allegations made in the complaint and the responses submitted by the Project Proponent. It should be also confirmed from OSPCB that the PH was organised as per provision of EIA Notification 2006 (as amended). Committee also asked PP to submit the valid Letter of Intent (LOI) as earlier LOI was only valid upto 28.02.2026 for 3 years.

In view of the above, the Committee **deferred** the proposal and asked to submit the following requisite information:

- i. IA NCM Sector of the Ministry should obtain inputs from the Odisha State Pollution Control Board (OSPCB) to verify the allegations made in the complaint dated 19.02.2026.
- ii. PP needs to submit the valid Letter of Intent (LOI) as earlier LOI was only valid upto 28.02.2026 for 3 years.
- iii. PP needs to obtain data of natural water bodies (rivers, nallahs, streams, ponds/, reservoirs, etc.,) from State Water Resource Department. PP needs to plot the location of water bodies on surface map/plan.

- iv. PP needs to obtain data on presence of Medicinal Plants present within the Forest Area inside the Mine lease. Necessary consultation with State Forest Department may be done in this regard.
- v. PP needs to submit an action plan for arresting dust and fugitive emissions at the railway siding in accordance with CPCB guidelines. Provision for necessary dust suppressing systems such as fog cannon, fixed sprinklers, green belt development and necessary drainage, etc., should be proposed under the action plan.
- vi. PP needs to submit an action plan incorporating chain links with gabion structures around the ML boundary to prevent soil erosion and surface mine runoff.
- vii. PP need to submit revised action plan regarding skill development and job opportunities for local villagers including land losers.

2.3 Wanoja Limestone Block (area 313 Ha.) in Villages- Wanoja, Zutting and Naranda, Taluka-Korpana, District-Chandrapur, Maharashtra of M/s Dalmia Cement (Bharat) Ltd.– For Term of Reference (ToR) reg.

[Proposal No. - IA/MH/MIN/565579/2026, File No. J-11015/4/2026-IA-II (NCM), EIA Consultant - J. M. Environet Pvt. Ltd.]

The proposal is for Term of Reference (ToR) of Wanoja Limestone Block (area 313 Ha.) with Cement grade Limestone Production Capacity: 0.30 Million TPA, Top Soil: 0.01 Million TPA, Waste (Overburden): 0.16 Million TPA; (Total Excavation: 0.47 Million TPA), 500 TPH crusher located at Villages: Wanoja, Zutting and Naranda in Tehsil: Korpana, District: Chandrapur, State: Maharashtra by M/s Dalmia Cement (Bharat) Ltd.

2. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	Wanoja Limestone Block (Area: 313 ha) with Cement Grade Limestone Production Capacity: 0.30 Million TPA, Top Soil: 0.01 Million TPA, Waste (Overburden): 0.16 Million TPA; (Total Excavation: 0.47 Million TPA) located at Villages: Wanoja, Zutting and Naranda in Tehsil: Korpana, District: Chandrapur, State: Maharashtra of M/s Dalmia Cement (Bharat) Ltd.	
Location	Village	Wanoja, Zutting and Naranda
	Tehsil	Korpana
	District	Chandrapur
	State	Maharashtra

	Latitudes	N 19°47'20.400" to N 19°49'1.956"
	Longitudes	E 79°02'55.392" to E 79° 03' 55.548"
	Sol Toposheet No.	Core Area: E44B1_56M1 Buffer Area: E44B2_56M2, E44A13_56I13 & E44A14_56I14
Company's Name	Dalmia Cement (Bharat) Limited	
Accredited Consultant and Certificate No.	JM EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No. QCI/NABET/EIA/23-26/SA 0250, dated 25.07.2025 and valid up to 07.08.2026	
KML file	Enclosed	
Seismic zone	Zone – II (As per IS: 1893 (Part-I)-2025)	

ii. Category details:

Category of the Project	As per EIA Notification dated 14 th September, 2006 and its subsequent amendments, the project falls under Category "A"
Schedule No.	Project or Activity 1 (a) - 3 for "Mining of Mineral" as per EIA Notification dated 14 th September, 2006 and its subsequent amendments
Mining lease Area (MLA) (in ha)	313 Ha
General Conditions (if any)	-

iii. Details of Mine Lease in chronological manner

S. No.	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1.	Letter of Intent for grant of Mine Lease over an area of 313 ha issued by Industry, Energy,	01.04.2025	Limestone	Letter of Intent is valid for a period of 3 years	Industry, Energy, Labour and Mining Department,	313 ha

S. No.	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
	Labour and Mining Department, Government of Maharashtra vide letter No. MNG-1024/C.R.83/Ind-9(A)			from the date of its issuance	Govt. of Maharashtra	

iv. Land Use/Land Cover of the Mine Lease Area:

Private land	257.35 ha
Government land	55.65 ha
Total Mining lease area (MLA), Ha	313 ha
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure is proposed outside the ML area (Another mine of company adjacent to this block is operational and infrastructure & other facilities will be used for this mine)
Additional information (if any)	Company's Cement plant is also operational and adjacent towards SE of the block

v. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	MCDR-CND0LST/3/2025-NR-IBM RO NR
	Date	15.10.2025
	Mineral & (Major/Minor)	Limestone
	Mine Lease Area, Ha	313 ha

	Validity	5 years from the date of execution. Mine is yet to be executed																														
Additional information (if any)	-																															
Mining Parameters	Quantitative Description																															
Method of Mining	Fully Mechanized Opencast Mining Method																															
Drilling/Blasting	<p>Drilling will be carried out by crawler mounted DTH drill machine. For blasting, 115 mm diameter and 5 m (+10% subgrade drilling) will be drilled with compressed-air-operated DTH drills. Controlled blasting will be practiced. Hydraulic rock breaker will be used in place of secondary blasting. Hydraulic excavator of 3.5 cum capacity will be used in combination with 25 tonnes dumpers/tippers.</p> <p style="text-align: center;">Drilling & Blasting Parameters</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Particular</th> <th>Parameter</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Hole dia (mm)</td> <td>115</td> </tr> <tr> <td>2.</td> <td>Depth of hole (m)</td> <td>5</td> </tr> <tr> <td>3.</td> <td>Spacing (m)</td> <td>3.5</td> </tr> <tr> <td>4.</td> <td>Burden (m)</td> <td>2.5</td> </tr> <tr> <td>5.</td> <td>Yield per hole (M3)</td> <td>43.75</td> </tr> <tr> <td>6.</td> <td>Charge per hole (kg)</td> <td>25</td> </tr> <tr> <td>7.</td> <td>Powder Factor (t/kg)</td> <td>4.38</td> </tr> <tr> <td>8.</td> <td>Charge per round (kg)</td> <td>750</td> </tr> <tr> <td>9.</td> <td>Explosive Requirement Per Month for ROM Zone Blasting (kg)</td> <td>9000</td> </tr> </tbody> </table>		S. No.	Particular	Parameter	1.	Hole dia (mm)	115	2.	Depth of hole (m)	5	3.	Spacing (m)	3.5	4.	Burden (m)	2.5	5.	Yield per hole (M3)	43.75	6.	Charge per hole (kg)	25	7.	Powder Factor (t/kg)	4.38	8.	Charge per round (kg)	750	9.	Explosive Requirement Per Month for ROM Zone Blasting (kg)	9000
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Geological Reserves	50.379 Million Tonnes (Based on current level of exploration carried out by DGM, Maharashtra)																															
Mineable Reserves	<p>45.713 Million Tonnes (Based on current level of exploration carried out by DGM, Maharashtra)</p> <p>Cement Grade Limestone: 15.59 Million Tonnes and Low-grade Limestone: 30.79 Million Tonnes.</p>																															

Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	<ul style="list-style-type: none"> ➤ Cement grade Limestone: 0.30 Million TPA ➤ Top Soil: 0.01 Million TPA ➤ Overburden: 0.16 Million TPA Total Excavation: 0.47 Million TPA
Life of Mine	<p>~55 years (Considering Cement Grade Limestone reserve i.e. 15.59 Million Tonnes)</p> <p>The low-grade limestone i.e. 30.79 Million Tonnes will be stacked separately for future use as and when required. This will be blended with high cement grade limestone and after that same will be used for the cement manufacturing purpose which will increase life of mine. Exploration activities are also proposed during the plan period, which may lead to changes in the estimated mineral reserves & resources and CGL & BGL. Consequently, the life of the mine may be extended based on the results of further exploration and/or optimized utilization of the mineral resources.</p>
Mine Bench Height & Bench Width	<p>Bench Height: 5 m (During Plan period) and 10 m (At Conceptual Stage)</p> <p>Bench Width: 20 m (During Plan Period) and 5 m (At Conceptual Stage)</p>
No. of Mine Benches	07 at conceptual stage
Existing Depth, m bgl	17 m (Working Depth During Plan Period)
Ultimate Depth of Mining, m bgl	70 m bgl (130m AMSL)
Ground Water Table, m bgl	45m bgl (160m AMSL)
Details of ground water intersection	During Plan period, ground water will not be intersected, however, in later stage during mining, the ground water table will be intersected. Prior Permission will be obtained from the Competent Authority before intersection of ground water.
Individual bench slope	85°
Overall pit slope	45°
Details of existing/ proposed Crusher	During the plan period, limestone is proposed to be transported to the existing crusher located in the adjacent limestone mine of the company,

	thereafter, through conveyor belt to the existing cement plant of the company. After the plan period, a crusher of 500 TPH will be installed within the block.
Mineral Beneficiation	-
RoM output size	-35 mm to -75 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	The excavated limestone will be loaded into dumpers and transported by road to the crusher. During the plan period, limestone is proposed to be transported to the existing crusher located in the nearby limestone mine of the company, thereafter, through conveyor belt to the existing cement plant of the company. After the plan period, a crusher will be installed within the mine lease (ML) area. After crushing, limestone will be transported to the to the cement plant of the company and other end-use industries by road as per market demand.
Generation of Topsoil/OB & its Management during plan period & conceptual period.	<p><u>Top Soil:</u></p> <p>During the Plan Period, it is estimated that approximately 0.027 Million Tonnes of topsoil will be generated. Cumulatively, up to the conceptual stage, about 4.46 Million Tonnes of topsoil is expected to be generated. Topsoil will be used for greenbelt/plantation development.</p> <p><u>Over Burden:</u></p> <p>During Plan Period 0.496 Million Tonne and at conceptual stage, 64.46 Million Tonne of overburden will be generated. Generated overburden/waste will be utilized for formation of the bund, road maintenance and will also be used for backfilling after reaching ultimate depth of mine or will be sold to other end users with the permission of competent authority.</p>
Generation of Mineral Rejects/Waste & its Management during plan period & conceptual period	Nil
Additional information (if any)	<ul style="list-style-type: none"> The deposit is of bedded, stratiform and tabular type, with borehole grid spacing of about 400 m.

	<ul style="list-style-type: none"> • As per the Geological Report approved by the Directorate of Geology & Mining (DGM), the overall resources were initially classified under G-3 level of exploration. • In accordance with MEMC (Amendment) Rules, 2021 for auction blocks, G-3 exploration establishing Inferred Resources (333) has been considered akin to G-2 (Indicated Mineral Resources – 332). The present stage of exploration is UNFC-G2. • Out of mineable reserves, 15.59 Million Tonnes are cement-grade limestone and 30.79 Million Tonnes are low-grade limestone. • Additional drilling is proposed during the plan period to upgrade the entire lease area to G-1 level (Detailed Exploration), and resource estimates will be revised accordingly based on presence of mineral.
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vi. Water requirement

Total water requirement	55 KLD	Drinking & Domestic Use	2 KLD
		Dust Suppression	30 KLD
		Greenbelt/Plantation	23 KLD
Source	Ground Water/Surface Water source and Rainwater harvested in Mining Pit.		
Permission for withdrawal/ intersection along with details of grant and its validity	This proposal is for ToR. Prior Permission/ NOC will be taken from the CGWA for ground water abstraction and for surface water from the Competent Authority.		
Additional information (if any)	-		

vii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particular	Particular's Name and Directions
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Nearest Village	<ul style="list-style-type: none"> ➤ Village Wanoja (~0.52 km from Block Boundary & ~0.94 km from UPL in NE direction); however, some habitation of Wanoja Village (~0.33 km from Block Boundary & ~0.73 km from UPL in NE direction) ➤ Naranda (~0.65 km from Block Boundary & ~0.68 km from UPL in South direction) ➤ Pipri (~2.3 km from Block Boundary & ~2.4 km from UPL in West direction)
Town	Korpana (~8.5 km in SW direction)
School	<ul style="list-style-type: none"> ➤ Zila Parishad Upper Primary School in Village Wanoja (~530 m distance from block boundary & 1.0 km distance from UPL) ➤ Zila Parishad Primary School Naranda (~1.27 km from block boundary & 1.29 km from UPL in South direction) ➤ Zila Parishad Primary School, Pathari (~1.40 km from block boundary & ~1.96 km from UPL in NNW direction) ➤ Zila Parishad Upper Primary School, Pipri (~2.70 km from block boundary & ~2.73 km from UPL in NNW direction)
Nearest State/National Highway	<ul style="list-style-type: none"> ➤ NH-353B (~4.5 km in South direction) ➤ SH-236 (0.3 km in East direction & as well as ~5.0 km in West direction) ➤ MDR Road, CHAMD-1 (0.80 km in SE direction)
Interstate Boundary	Maharashtra-Telangana State Border (~18.0 Km in SW direction)
Railway Station/Railway line	Gadchandur Railway Station (~13 Km in ESE direction)
Water Bodies	<ul style="list-style-type: none"> ➤ One Seasonal Nallah originating from northern part of the block and merging into Penganga River. ➤ Penganga River (~0.03 km in North direction) ➤ Naranda Pond (~1.0 km in South direction) ➤ Amal Nala (~2.0 km in ENE direction) ➤ Nallah Vagu (~7.0 km in ESE direction) ➤ Vaidarbha River (~7.4 km in West direction) ➤ Khadakia Nala (~8.0 km in North direction)

	<ul style="list-style-type: none"> ➤ Bop Nala (~9.0 km in ENE direction)
Forest	<ul style="list-style-type: none"> ➤ RF (Compartment No. 190- notified on 11 July 2017) 0.2 Km in South (Boundary marked on Parivesh, not available on SOI Toposheet) ➤ Pardi RF (~1.5 km in North direction) ➤ Junoni RF (~6.0 km in WNW direction) ➤ Manikgarh RF (~7.8 km in South direction) ➤ Kanargaon RF (~8.8 km in WSW direction) ➤ Reserved Forest (~9.0 km in NW direction)

viii. Presence of Environmentally Sensitive areas in the study area

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	As per revenue record, there is no involvement of forest land. As per the letter received from the Directorate of Geology and Mining, Government of Maharashtra regarding classification of land for the proposed mine vide Letter No. MLV/C/532/2025/1508 dated 02 May 2025, the entire block area has been classified as non-forest land, comprising both private land and government land and the same is also mentioned in GR issued by Directorate of Geology and Mining, Government of Maharashtra.
National Park	No	There is no National Park, Wildlife Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors etc. present
Wildlife Sanctuary	No	
Elephant/Tiger Reserve	No	

		within 10 km radius of the study area. The same is also mentioned in GR issued by Directorate of Geology and Mining, Government of Maharashtra.
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	There is no Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA) located within 10km radius. The same is also mentioned in GR issued by Directorate of Geology and Mining, Government of Maharashtra.
Coastal Regulation Zone (CRZ)	No	-
Schedule-I species (No. s and name of schedule-I species with authenticated letter)	-	This proposal is for ToR, detailed study of Wildlife in the study area will be done during EIA study. Wild Life Conservation plan will be prepared for Schedule-I species in the study area, if any.
Wildlife Conservation Plan	-	

ix. Greenbelt/Plantation details:

Proposed area for greenbelt/plantation and no. of saplings proposed	At conceptual stage, total greenbelt/ plantation will be developed covering an area of 70.5 ha with 1,76,250 nos. of saplings @ 2500/ha (50 ha on backfilled, 15 ha including 7.5 m block periphery, 5.0 ha on waste dump area and 0.5 ha under utility services). Apart from that, at conceptual stage, plantation will also be done on upper most 2 benches covering 5.12 ha area with 12,800 nos of saplings. Thus, total area covered under the greenbelt/plantation is 75.62 ha with 1,89,050 nos of saplings.
Budget for green plant & plantation till the end of life of mine.	Rs. 3.781 Crore
Budget for nursery	None
Details of existing plantation and its survival rate	It is a greenfield project.

No. of tree cuts in the mine lease area and compensatory afforestation	There are about 150 nos of trees within block boundary. Scattered patches of thorny bushes and shrubs which will be cleared at the start of mining operations. However, as the mine will progress, trees will be cut down and approx. 1,89,050 nos. of saplings will be planted @2500 sapling/ha.
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & Non mineralized areas	8.86 ha in 7.5 m barrier along mine block periphery and 6.14 ha on non-mineralized areas (virgin area)
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-

x. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	Dec., 2025 to Feb., 2026
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season
Predominant Wind direction (From)	North East
Ambient Air Quality (no. of locations) and results	11
Noise level (no. of locations) and results	11
Water Quality (no. of locations) and results	09
Groundwater Quality (no. of locations) and results	10

Soil Quality (no. of locations) and results	10
Hydro geological study and results	This Proposal is for ToR. detailed study will be given in EIA/EMP.
Traffic study (no. of locations) and results	This Proposal is for ToR. detailed study will be given in EIA/EMP.

xi. Public Hearing (PH) Details: Not Applicable. This proposal is for ToR.

xii. Rehabilitation & Resettlement:

R & R details	<p>There is no settlement/habitation within the lease area. Hence Resettlement & Rehabilitation is not required.</p> <p>However, Pvt. Land (257.35 ha) will be purchased. It is proposed that entire land within the ML area shall not be acquired in one go. Land purchase shall be done in phases as per the requirement for mining purpose. In first phase land required for first 10 years of plan period shall be acquired and subsequently extended for next 10 years. This is proposed in order to ensure minimal disturbance of the land & associated people. As per DCBL policy, following options will be adopted for purchase of private land for ensuring sustainable mining and livelihood of land owners. It depends entirely on the land owners to opt for the below mentioned options:</p> <p>Option 1: Acquire land falling in the mining lease area through provisions of LARR Act, 2013 and rules made thereunder.</p> <p>Option 2: Direct Purchase Mode</p> <p>It is proposed to purchase the private agriculture Directly through mutual agreement with the land holders at negotiated rates and terms and conditions. Basis of Land Compensation will be in line of the RFCTARR Act 2013 (Right to Fair</p>
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	<p>Compensation, Transparency in land Acquisition and Rehabilitation & Resettlement) or similar acts of Govt. of Maharashtra under LARR. Options may also be evaluated to obtain land on lease/rental directly from the land owners at mutually agreed terms & conditions.</p> <p>Option 3: Securing land by payment of the annual surface compensation under the provision of Sec. 24 of the MMDR Act, 1957 and Rule 51 of The MCR Rules, 2016.</p>
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xiii. Court case details:

Court Case, No and its present status	No
Undertaking by Project Proponent w.r.t court case	PP has submitted undertaking dated 20.01.2026

xiv. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted Affidavit dated 19.01.2026
Undertaking by Project Proponent in EIA/EMP Report	This proposal is for ToR. Undertaking by Project Proponent will be given in Final EIA/EMP Report.
Undertaking by Consultant in EIA/EMP report	This proposal is for ToR. Undertaking by the Consultant will be given in Final EIA/EMP Report.
Plagiarism Certificate	This proposal is for ToR. It will be submitted with Final EIA/EMP Report.

xv. Details of project cost and employment:

Particulars	Budget (Rs. in Crores)
Total Cost for EMP (Capital Cost of EMP + Capital cost of Public Hearing)	This proposal is for ToR, details will be given in Final EIA/EMP Report.
Project Cost	Rs. 36.0 crores
Employment	48 Persons will be directly employed and preference will be given to locals.

3. Observation and Recommendation

EAC deliberated the proposal for Term of Reference (ToR) of Wanoja Limestone Block (area 313 Ha.) with Cement grade Limestone Production Capacity: 0.30 Million TPA, Top Soil: 0.01 Million TPA, Waste (Overburden): 0.16 Million TPA; (Total Excavation: 0.47 Million TPA), 500 TPH crusher located at Villages: Wanoja, Zutting and Naranda in Tehsil: Korpana, District: Chandrapur, State: Maharashtra of M/s Dalmia Cement (Bharat) Ltd.

The proposed project activity is listed at Schedule 1(a) – Mining of Minerals under Category 'A' (Non-Coal Mining) of the EIA Notification, 2006.

The Project Proponent (PP) and the Consultant presented the KML file and highlighted the key site features. PP mentioned that ML area is located at village-Wanoja, Zutting and Naranda. PP stated that Wanoja village is located approximately 0.52 km from the mining lease (ML) area and about 0.94 km from the UPL in the northeastern direction. Some habitations of Wanoja village is located at 0.33 km from the ML area and 0.73 km from the UPL in the northeastern direction. Naranda village is located at a distance of 0.65 km from the ML boundary and 0.68 km from the UPL in southern direction, while Pipri village is located at a distance of 2.3 km from the ML and 2.4 km from the UPL in the west direction. PP mentioned that one LT line is passing through the eastern boundary of block admeasuring length of 1328 m is not proposed to be disturbed. However, in future if required, it will be diverted after obtaining necessary permissions.

EAC noted the submission of the PP and stated that no blasting is allowed within 500 m distance from the habitation without special permission from DGMS. Accordingly, EAC advised PP to submit an action plan for protection of nearby villages from adverse impact of mining operations particularly, air pollution, fly rocks, blasting and ground vibrations etc.

PP mentioned that the State Highway SH-236 is located at a distance of 0.3 km in the east direction of the mining lease (ML) area. Additionally, NH-353B is located at a distance of 4.5 km in south direction from the ML area. PP also stated that a Road is passing through the northern part of the lease area and connects the Villages of Pipri and Wanoja. It shall not be disturbed and safety barrier will be maintained.

PP reported that there are no national parks, Wildlife Sanctuaries, Biosphere Reserves, or Eco-Sensitive Zones within a 10 km radius of the Mine Lease.

PP also mentioned that Penganga River is located at a distance of 0.03 Km in North direction from the ML area, a Naranda Pond located at a distance of 1.0 Km in South direction and Amal Nalla are located at a distance of 2.0 Km in ENE direction from the ML area. PP also stated that One Seasonal Nallah is originating from northern part of the block and merging into Penganga river. No mining activity is proposed within 50 m safety zone from this nalla

EAC noted the submission of PP and stated that no mining shall be allowed within HFL of Penganga River. EAC was of the opinion that Project Proponent (PP) should consult with the State Water Resource Department and the State Pollution Control Board (SPCB) to develop and submit a comprehensive protection plan. This plan must focus on the protection and preservation of ponds/water bodies and rivers that are located in and adjacent to the periphery of the lease area. EAC stated that PP should also obtain HFL data of the Penganga river from State Water Resource Department/Irrigation Department.

PP stated that Zila Parishad Upper Primary School in Village Wanoja is located approximately 0.53 km from the ML boundary and 1.0 km from the UPL. Zila Parishad Primary School in Naranda is positioned about 1.27 km from the ML boundary and 1.29 km from the UPL to the south. Zila Parishad Primary School in Pathari is approximately 1.40 km from the ML boundary and 1.96 km from the UPL in the north-northwest direction. Additionally, Zila Parishad Upper Primary School in Pipri is situated about 2.70 km from the ML boundary and 2.73 km from the UPL in the north-northwest direction. EAC suggested that no mining activities will be conducted within a 500-meter radius of existing schools. Mining or related activities cannot be carried out without prior approval from the Director General of Mines Safety (DGMS). PP has committed that, if permission is granted by the DGMS to conduct mining near schools, the company will implement protective measures such as metallic wind screens, plantation, and fog cannons to ensure the safety of the schools. Additionally, PP has stated that, if required and with the prior approval of the competent authority, it will relocate affected school to a safe distance.

The Directorate of Mines & Geology, Mineral Resource Department, Maharashtra., has issued a Letter of Intent (LoI) over an area of 313 Ha vide letter dated 01.04.2025 and the LoI is valid till 31.03.2028.

The Mining Plan along with Progressive Mining Closure Plan (PMCP) has been approved by Indian Bureau of Mines (IBM), Nagpur vide letter no MCDR-CND0LST/3/2025-NR-IBM RO NR, dated 15.10.2025, covering a mining lease area of 313 Ha and valid for five years. PP submitted that the mining operations are fully mechanized opencast method. The mine will be operated using shovel dumper combination and involves various process such as drilling, blasting, excavation, quality control, ore processing (crushing & screening), loading of products, sub grade stockpile and waste disposal, respectively

PP mentioned that a 500 TPH crusher will be installed inside lease area for crushing after the first five year plan period. EAC asked PP to submit a timebound action plan for development of greenbelt around three sides of the proposed crusher. EAC also advised PP to take necessary mitigative measure to reduce fugitive dust emission and follow CPCB guidelines. PP reported that Limestone produced from the mine will be used for cement manufacturing in the Cement Plant of the company and may also be sold in the open market.

The project's total water requirement is estimated to be 55 KLD. PP reported that water shall be sourced from the Ground Water/Surface Water and Rainwater harvesting in Mining Pit. EAC reviewed the submission of PP and asked PP to take necessary permission from CGWA for ground water withdrawal. Further to reduce dependence on groundwater, EAC directed PP to construct water reservoir/pond within the lease area.

Upon reviewing the KML, EAC also observed few mined out areas, dumps, crushing units/machineries and observed that boundary of cement plant is overlapping with ML boundary. PP stated that there is an existing dump in the southern part, quarry, and non-operational stone crusher are present in eastern part of the auctioned block, which are not proposed to be disturbed during plan period. The State Govt., during the pre-bid meeting, addressed this issue and gave assurance that the land would be vacated in accordance with the applicable laws. EAC noted the submission of PP and asked about obtaining a certificate for the same from State DMG. PP was also advised to obtain in written from State DMG the ML area is not overlapping with Cement Plant area.

With regard to transportation, PP submitted that limestone is proposed to be transported to the existing crusher located in the adjacent limestone mine of the company during the plan period. Thereafter, limestone is proposed to be transported through conveyor belt to the existing cement plant of the company. After the plan period, a crusher of 500 TPH will be installed within the block.

Regarding greenbelt development in the ML area, PP submitted that at the conceptual stage, total area to be developed under the greenbelt/ plantation will be 70.5 ha (50 ha on backfilled area that will be later on rehabilitated by plantation & re-grassing, 15 ha on virgin land including greenbelt along 7.5m block periphery, 5.0 ha on waste dump which will be stabilized by plantation and 0.5 ha under utility services). Apart from that, at conceptual stage, it is proposed to do plantation on upper most 2 benches of the excavated pit covering 5.12 ha area. Thus, total area under greenbelt & plantation will be 75.62 ha with 189050 nos of saplings. Local and fruit bearing species will be planted in consultation with local forest officer and as per CPCB guidelines are as follows: Teak, Siris, Tendu, Neem, Sal, Bamboo, Peepal, Banyan, Cheeku, Jamun, Guava, Behada etc. Greenbelt/Plantation density will be 2500 saplings/ ha. The company will try to maintain the survival rate more than 90%. Total Cost for the Greenbelt/Plantation is Rs. 3.78 Crore. Plantation will be proposed as per the CPCB guidelines and IBM approved mining plan. Local forest department shall also be contacted for finalization of plant species.

With regard to R&R, PP reported that there is no settlement/habitation within the lease area. Hence Resettlement & Rehabilitation is not required. However, Private Land (257.35 ha) will be purchased. It is proposed that entire land within the ML area shall not be acquired in one go. Land purchase shall be done in phases as per the

requirement for mining purpose. In first phase land required for first 10 years of plan period shall be acquired and subsequently extended for next 10 years. This is proposed in order to ensure minimal disturbance of the land & associated people. As per DCBL policy, following options will be adopted for purchase of private land for ensuring sustainable mining and livelihood of land owners. It depends entirely on the land owners to opt for the below mentioned options:

Option 1: Acquire land falling in the mining lease area through provisions of LARR Act, 2013 and rules made thereunder.

Option 2: Direct Purchase Mode

It is proposed to purchase the private agriculture Directly through mutual agreement with the land holders at negotiated rates and terms and conditions. Basis of Land Compensation will be in line of the RFCTARR Act 2013 (Right to Fair Compensation, Transparency in land Acquisition and Rehabilitation & Resettlement) or similar acts of Govt. of Maharashtra under LARR. Options may also be evaluated to obtain land on lease/rental directly from the land owners at mutually agreed terms & conditions.

Option 3: Securing land by payment of the annual surface compensation under the provision of Sec. 24 of the MMDR Act, 1957 and Rule 51 of The MCR Rules, 2016.

EAC noted the submission of PP and advised to provide ample opportunities in form jobs and skill development for nearby villagers specially the landlosers.

With above observation, EAC **returned the proposal in present form** and asked PP to submit a fresh proposal along with a certificate from State DMG stating that PP has not undertaken any mining activity in the ML area and there is no overlap of ML area with the adjoining cement plant of PP. PP shall also inform State DMG and IBM about the crushing or other industrial unit that is visible in the eastern part of the mine lease. PP needs to obtain the HFL data of the Penganga river from State Water Resource Department/Irrigation Department and no mining shall be planned within the HFL of the Penganga River.

2.4 Choutapalli Limestone Mine with production of Limestone: 1.82 MTPA and Top Soil: 0.35 MTPA (Total Excavation of 2.17 MTPA) over an area of 262.247 Ha (Amalgamated Mining Lease Area) located at Choutupalli Village of Mattampalli Mandal and Mellacherruvu Village of Mellacheruvu Mandal, Suryapet District, Telangana of M/s. My Home Industries Private Limited. - For Expansion in Environment Clearance (EC) reg.

[Proposal No.: IA/TG/MIN/452672/2023, File No. J-11015/46/2019-IA-II (M), EIA Consultant-B. S. Envi-Tech Pvt Ltd]

The Proposal is for Environmental Clearance of Choutapalli Limestone Mine with production of Limestone 1.82 MTPA and Top Soil 0.35 MTPA (Total Excavation of

2.17 MTPA) over an area of 262.247 Ha (Amalgamated Mining Lease Area) located at Choutupalli Village of Mattampalli Mandal and Mellacheruvu Village of Mellacheruvu Mandal, Suryapet District, Telangana of M/s. My Home Industries Private Limited.

2. The details of the project as per the documents submitted by the Project Proponent are given as under:

i. Project details:

Name of the Proposal	Choutapalli Limestone Mine of My Home Industries Private Limited, with production of Limestone: 1.82 MTPA and Top Soil : 0.35 MTPA (Total Excavation of 2.17 MTPA) over an mining lease area of 262.247 Ha (Amalgamated Mining Lease Area)	
Location	Village	Choutupalli & Mellacheruvu villages
	Tehsil/Taluka	Mattampalli & Mellacheruvu
	District	Suryapet
	State / UT	Telangana
	Latitudes	16°46'55.10"N - 16°48'10.50"N
	Longitudes	79°53'21.40"E - 79°54'35.20"E
	Sol Topo sheet No.	56 P/13
Company's Name	My Home Industries Private Limited	
Accredited Consultant and certificate no. and Validity	B.S. Envi – Tech Pvt. Ltd., (Quality Council of India, NABET Accredited) NABET Accreditation No: NABET/EIA/2326/RA0302 (Rev. 01), valid up to 13.05.2026 Secunderabad – 500 017	
KML file	Submitted	
Seismic zone	Seismic zone – II	

ii. Category details:

Category of the project	'A' (Non-Coal Mining)
Schedule No.	1(a) – Mining of Minerals
Mining lease Area (MLA) (in ha.)	262.247
General Conditions (if any)	None

iii. ToR/EC Details:

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
25.05.2019	Proposal No: IA/TG/MIN/99989/2019 File No : J- 11015/46/2019-IA.II (M)	27th EAC Meeting to be held during February 3 to 5,	TOR (Limestone production 1.82 MTPA)	26.03.2021

		2021 dated 03.02.2021		
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Date of application	Proposal No/ File No	Consideration by EAC	Details of EC	Date of accord
28.02.2006	File No. J-11015/25/2006-IA.II (M)	-	MOEFCC Letter No. J-11015/25/2006-IA.II (M) for 1.0 MTPA Limestone Production.	26.05.2006
30.04.2008	File No. J-11015/576/2007-IA.II (M)	-	MOEFCC Letter No. J-11015/576/2007-IA.II (M) for 0.82 MTPA Limestone Production. (Choutapalli Limestone Mine – 2)	31.07.2008

iv. Details of Mine Lease in chronological manner:

S. No	Prospecting License/ Letter of Intent (LoI)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/ Minor)	Period of Grant	Granted by	Mine lease area in Ha
1.	G.O.Ms.No 328	12.12.2008	Limestone, Major Mineral	31.07.2005	Government of Andhra Pradesh	Amalgamated Mine: 262.247 Ha

S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1	Amalgamation Mining Lease deed was executed at the O/o ADM&G Miryalaguda.	24.12.2008	31.07.2055	Limestone, Major Mineral	262.247

v. Land Use/Land Cover of the Mine Lease Area:

Private land	197.956 ha
Government land	64.291 ha
Forest land	0
Total Mining lease area (MLA), ha	Choutapalli limestone mine Amalgamated Mining lease Area: 262.247
Private land for crusher, workshop & other infrastructure outside the MLA	-
Additional information (if any)	-

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	AP/NLG/MP/Lst-55/Hyd
	Date	27.01.2023
	Mineral & (Major/Minor)	Limestone, Major Mineral
	Mine Lease Area, Ha	262.247
	Validity	2022 - 2023 to 2023 - 2024
Additional information (if any)	-	
Mining Parameters	Quantitative Description	
Method of Mining	Open Cast Mechanized mining adopting deep hole drilling and blasting.	
Drilling/Blasting	Drilling is being carried out by combination of compressor and wagon drill Blast holes having 115mm diameter are drilled at 5° inclination in a pattern of 3 m Burden and 6 m spacing with subgrade drilling of 10%.	
Geological Reserves	99 Million tonnes	
Mineable Reserves	57.42 Million tonnes	
Breakup of Total Excavation (Topsoil/ OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Total excavation of 2.17 MTPA (Limestone: 1.82 MTPA + Top soil: 0.35 MTPA)	
Life of mine	31.54 years. @ 1.82 MTPA.	
Mine Bench Height & Bench Width	Bench Height: 9m Bench Width: 20m	
No. of Mine Benches	7	
Existing Depth, m bgl	43 m	
Ultimate Depth of Mining, m bgl	43 m bgl	
Ground Water Table, m bgl	33 m bgl	
Details of ground water intersection	The working pit will intersect with ground water table after reaching about 33 m bgl.	

Individual bench slope	65°
Overall pit slope	45°
Details of existing/ proposed Crusher	A Crusher @ 1000 TPH capacity was installed on 02.02.2007 at the boundary of subject amalgamated lease
Mineral Beneficiation	Not applicable
RoM output size	-75 mm
Transportation details including capacity of dumper/ tipper, mode of transport and distance	Limestone is transported to the crusher by 30-ton dump trucks from the mine pit to the crusher and then to the cement plant (through overland belt conveyor) for its captive use.
Generation of Topsoil/ OB & its Management during plan period & conceptual period	The total generation of topsoil during the plan period is estimated to be 3,51,567.01 m ³ , which will be conserved and utilized for afforestation and greenbelt development within the mining lease area. No waste generation is envisaged during the plan period.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	
Additional information(if any)	-

vii. Water requirement:

Total water requirement	75KLD	Fresh water	75 KLD
		Treated water	-
Source	Existing Mine pit		
Permission for withdrawal/ intersection along with details of grant and its validity	Not Applicable		
Additional information (if any)	-		

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	Mattampalli	1.63 km – SW
Town	Miryalaguda	35.34 km - WNW
Highway	NH-167 - Raichur – Kodad	11.16 km – NNW
Interstate Boundary	Telangana – Andhra Pradesh	9.47km - SSW
Railway Station/Railway line	Nadikudi Jn. RS	27.95 km - SW
Water Bodies	Krishna River	8.96 km - SSW
Forest	Reserve Forest	0.65 km – E
	Yepalamadhavaram RF	2.88 km - SE

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	The Subject mine is existing operating mine. No forest Land is involved. NOC from Forest Department was submitted.
National Park	No	The Subject mine is existing operating mine. MHIPL has obtained the letter from Forest department regarding the Mining lease area does not fall any part of National Parks, Wild life sanctuary /Eco Sensitive Zone/ Migratory routes/ Tiger Corridors etc., There are no endanger flora and fauna in and around the Mining area. No objection Certificate issued to obtained Environmental Clearance and the same NOC from Forest Department.
Wildlife Sanctuary		
Elephant/Tiger Reserve		
Eco-Sensitive Zone(ESZ)/ Eco-Sensitive Area (ESA)		
Coastal Regulation Zone (CRZ)		
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	Yes	As per the Wildlife (Protection) Amendment, 2022, a total of 24 Schedule-I species have been identified within the study area. Accordingly, a comprehensive Wildlife Conservation Plan (WLCP) has been prepared for the Yapalamadharam–Choutapalli–Mellacheruvu cluster of mines of M/s My Home Industries Private Limited located in Suryapet District, Telangana.
Wildlife Conservation Plan	Yes	<p>The WLCP covers site-specific conservation and mitigation measures to be implemented within the Reserved Forest blocks of Chintalapalem, Gurrambodu, Mattampally, Nemilipur, Pittalasarikota, Sultanpur, and Yepalmadhavaram, which fall within the project impact zone. The plan includes an authenticated list of flora and fauna recorded during the study period.</p> <p>The Wildlife Conservation Plan has been submitted to the State Forest Department, Government of</p>

		<p>Telangana, and forwarded to the Office of the Principal Chief Conservator of Forests (PCCF), Telangana. The Divisional Forest Officer (DFO) informed that the wildlife mitigation plan involves a financial outlay of ₹169.5 lakhs, to be implemented over a period of five (5) years.</p> <p>The approval of the WLCP has been communicated to the Office of the PCCF, Telangana, vide Rc. No. WL1-WL07/34/2024/WLS dated 28.05.2025</p>
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x. Green belt/plantation details:

Proposed area for green belt/ plantation and no. of saplings proposed	<ul style="list-style-type: none"> i. Greenbelt was developed: 11.854 Ha ii. No.of saplings: 10,824 iii. Proposed area for green belt : 16.116 Ha iv. No. of saplings proposed : 40290
Budget for green plant & plantation till the end of life of mine.	<p>27.25 Lakhs for Capital Cost</p> <p>8.0 Lakhs for recurring Cost</p>
Budget for nursery	-
Details of existing plantation and its survival rate	10,824 samplings , 80 % survival rate
No. of tree cuts in the mine lease area and compensatory afforestation	Not applicable
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	5.17 Ha. with 4,524 sapling and spent about Rs. 09.048 Lakhs
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-
Additional information (if any)	Within Mining Lease - 6.684 Ha. with 6,300 sapling and spent about Rs. 12.600 Lakhs

xi. **Baseline detail:**

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	01/12/2022 to 28/02/2023
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter
Predominant Wind direction (From)	ESE-SE-SSE
Ambient Air Quality (no. of locations) and results	<p>09 Ambient Air Quality</p> <p>Results:</p> <ol style="list-style-type: none"> 5. PM₁₀ ranges from 41.4 to 70.6 µg/m³ 6. PM_{2.5} ranges from 19.4 to 29.5 µg/m³ 7. SO₂ ranges from 9.0 to 14.5 µg/m³ 8. NO₂ ranges from 10.3 to 15.9 µg/m³
Noise level (no. of locations) and results	<p>09 Noise Level Monitoring stations</p> <p>Results:</p> <p>Day Time - 51.6 – 73.9 dB (A)</p> <p>Night Time – 40.6 – 68.4 dB (A)</p>
Water Quality (no. of locations) and results	<p>Ground Water: 08 locations</p> <p>Results:</p> <ul style="list-style-type: none"> • pH : 7.10 – 7.36 • Total dissolved solids :810-1702 mg/l. • Total hardness as CaCO₃ : 420-570 mg/l. • Chlorides concentration : 93-405 mg/l. • Fluoride concentration : 0.65-1.38 mg/l. • Sulphates concentration : 115-229 mg/l. <p>Surface water: 08 Location</p>

	<p>Results:</p> <ul style="list-style-type: none"> • pH – 7.18-7.63 • Boron as B: <0.1 mg/l • BOD@270 for 3 days: 2-3 mg/l • Chemical Oxygen demand (COD):11-19 mg/l • Dissolved Oxygen (D.O): 4.5-5.3 mg/l • Sodium Absorption Ratio: 1.27 – 1.91 mg/l • Ammonical Nitrogen as N: <0.50 – 0.70 mg/l • Total coliforms: 50 – 90 CFU/100ml
Soil Quality (no. of locations) and results	<p>08 Soil Quality locations</p> <p>Results:</p> <ul style="list-style-type: none"> • pH Value of 1:2 aqueous extract Solution: 7.80 - 8.25 • E.C, 1:2 aqueous extract Solution: 0.138 – 0.716 μS/cm • Mineralized Nitrogen (Available Nitrogen): 36 - 325 kg/ha • Available Phosphorous as P₂O₅: 07- 77 kg/Ha • Available Potassium as K₂O: 47- 960 Kg/Ha • Available Manganese as Mn: 78.3-1054 mg/kg • Organic Carbon: 0.1 – 0.64 %
Hydro geological study and results	<p>The stage of ground water development in the study area including proposed project works out to 58.6% which is less than 70% and thus the study area is categorized as “Safe” as per the Ground water Estimation Committee, 2015 norms. The water table will not be intersected during the mining operations.</p>
Traffic study (no. of locations) and results	<p>Not Applicable</p> <p>The limestone will be transported by dumpers upto the crusher at Pit. Once the limestone is crushed, it will</p>

	be transported by closed belt conveyer.
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xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	Notice made through advertisement in the Newspapers "The New Indian Express" (English News Paper) and Eenadu (Telugu News Paper) on 28.07.2023
Date of PH	31.08.2023
Venue	Near the existing mine lease area, Choutapalli & Mellacheruvu Villages, Suryapet District, Telangana Andhra Pradesh
Chaired by	Sri. S. Venkata Rao., IAS, Collector & District Magistrate, Suryapet District, Telangana
Main issues raised during PH	<ul style="list-style-type: none"> • To provide employment to locals • Distribution of Tricycles for Physically handicapped • Development of damaged road in the village • Skill development for locals • Infrastructure in villages to be developed • Medical camps • Avenue Plantation
Budget proposed for addressing issues raised during PH over 3 years	Rs.101.75 Lakhs
Additional information (if any)	-

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	Order No.183/PCB/CFE/RCPM/RO-NLG/2005-2110 dated 06.12.2005; and Order No. 214/PCB/CFE/RO-NLG/HO/2008-1475 dated 12.08.2008
Consent to Operate	Order No. 210522985728 dated on: 23.07.2021 and valid upto 30.06.2026
Certified Compliance Report and Inspection date	Inspection date on 19.03.2023. Certified EC was obtained from MoEF & CC, Sub Office (Integrated Regional Office, Chennai) Hyderabad Vide Lr.No. I-27 I2023tIRO-HYD/845 dated 20.11.2023.
Certified Production Details from the inception of the mine	Submitted in the EIA report

(in tabular form against the EC capacity)	
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xiv. Rehabilitation & Resettlement (R&R):

R & R details	Not Applicable
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xv. Court case details:

Court Case, No and its present status	A case was filed against My Home Industries Private Limited before the Junior Civil Court, Huzurnagar on 28.10.2022 under Section 15 of the Environment (Protection) Act, 1986. The case was registered as C.C. No. 1130/2022 on 02.11.2022. The matter was heard on multiple dates, and during the proceedings, the accused admitted the claim. The Court delivered its judgment on 02.05.2024, holding the accused guilty under Section 15 of the Environment (Protection) Act, 1986 and imposed a fine of Rs. 10,000/-. The fine amount was paid on the same day, and the case was disposed of accordingly. Therefore, as on date, there is no court case or litigation pending relevant to the project. PP has submitted undertaking dated 18.02.2026.
Undertaking by Project Proponent w.r.t court case	

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP has submitted Affidavit dated 17.03.2019
Undertaking by Project Proponent in EIA/EMP report	PP has submitted an undertaking dated 22.11.2023 in the Final EIA/EMP Report.
Undertaking by Consultant in EIA/EMP report	EIA-Consultant has submitted an undertaking dated 23.11.2023 in the Final EIA/EMP Report
Plagiarism Certificate	Plagiarism check certificate dated 22.11.2023 has been submitted in the Final EIA/EMP Report.

xvii. ADS details (If any):

S. No	ADS Point	Reply by Project Proponent
ADS-1 PP has submitted point wise reply letter dated 01/08/2024 against the ADS were raised on 15/01/2024		
1	The EAC noted that the Hon'ble Supreme Court vide its order dated 02.01.2024 in Writ Petition(s) (Civil) No(s).	Hon'ble Supreme Court vide its order dated 02.02.2024 in Writ Petition(s) (Civil) No(s). 1394/2023, clarified that "order dated 01.02.2024, would not come in the way of the component authorities in considering the

	<p>1394/2023 in the matter of Vanashakti versus Union of India directed that “Until further orders, there shall be stay of operation of the Office Memoranda dated 7th July, 2021 and 28th January, 2022 issued by the Ministry of Environment, Forest and Climate Change”. The EAC also noted that the Ministry issued an Office Memorandum dated 08.01.2024 regarding the stay imposed by the Hon’ble Supreme Court with reference to the SOP dated 7th July, 2021 and OM dated 28.01.2022. In view of the above Hon’ble Supreme Court order dated 02.01.2024, the EAC deferred the proposal</p>	<p>proposals for modifications/ alterations in the Environmental Clearances, if area of such projects had any valid Environmental clearance prior to 7th July 2021”. And the same are submitted.</p> <p>We request the Ministry to process our proposal for Environmental Clearance considering the facts :</p> <p>The subject proposal was submitted for regularization of Environmental Clearances as per S.O. S.O. 1530 (E) dated 06.04.2018;</p> <p>Subject mine had valid Environmental clearances prior to 7th July 2021”.; (refer Points No.16 of ToR, same are submitted.</p> <p>Public Hearing was completed as per ToR;</p> <p>Legal action by Telangana State Pollution Control Board and court proceeding completed as per Specific ToR condition-1;</p>
<p>ADS 2 PP has submitted point wise reply letter dated 21/10/2024 against the ADS were raised on 16/10/2024</p>		
<p>1</p>	<p>Hon’ble Supreme Court vide judgment dated 2.08.2017 in W.P. (C) 114 of 2014 in the matter of Common Cause vs Union of India inter-alia has directed that the validity of the EC granted for mining under EIA 1994 shall be five years.</p> <p>In the instant case, one of the EC of the erstwhile mine lease area of 46.08 ha was obtained under EIA 1994 on 26.05.2006 and it was valid for five years only till 25.05.2011.</p> <p>PP must clarify, explaining in detail the applicability of the Hon’ble Supreme Court</p>	<p>Environmental Clearance was obtained under EIA Notification 1994 for Mining lease area of 46.08 ha on 26.05.2006 and further there was no expansion/ modernisation. The Mine was having all necessary permissions, production was in accordance to the approved mining plan and there was no illegal mining.</p> <p>Mining lease area of 46.08 ha was amalgamated with other mining lease of 216.167 ha, as per condition prescribed in Environmental Clearance dated 31.07.2008 obtained under EIA notification 2006. Ministry did not specifically mentioned to obtain fresh EC after amalgamation. Thus validity of environmental clearance for amalgamated lease is for project life/ maximum of 30 years.</p> <p>Environmental Clearance was obtained under EIA Notification 1994 for Mining lease area of 46.08 ha on 26.05.2006 and further there was no expansion/modernisation. The Mine was having all necessary permissions, production</p>

<p>Judgement on the instant proposal with respect to above paras.</p>	<p>was in accordance to the approved mining plan and there was no illegal mining.</p> <p>Mining lease area of 46.08 ha was amalgamated with other mining lease of 216.167 ha, as per condition prescribed in Environmental Clearance dated 31.07.2008 obtained under EIA notification 2006. Ministry did not specifically mentioned to obtain fresh EC after amalgamation. Thus validity of environmental clearance for amalgamated lease is for project life/maximum of 30 years.</p> <p>It is submitted that, the subject proposal was submitted within prescribed time frame as applicable for project under clause (b) of the MoEFCC notification S.O.1530 (E) dt 6th April 2018, which was issued with reference to Hon'ble Supreme Court Judgement dt 02.08.2017, for regularisation of environmental clearance under the regulatory frame work of EIA notification 2006, involving validity issue. Copy of notification dated 6th April 2018 is attached for ready reference.</p> <p>Further, the proposal was appraised by EAC (Non-coal mining sector) in detail, in accordance with law & Hon'ble Supreme Court Judgement dt 02.08.2017, in the EAC meetings held during April 23-24, 2019; Sept 23-25, 2020 ; Feb 3-5, 2021; and also by Policy sector during meeting held on 17.06.2019 and recommended for ToR.</p> <p>The Ministry accepted the recommendation of EAC and accorded ToR vide J-11015/46/2019-IA.II(M) dated 26th March 2021;</p> <p>EIA/EMP report was prepared as per prescribed ToR and Public Hearing was also completed on 31.08.2023 for amalgamated mining lease.</p> <p>The subject proposal was submitted for obtaining final Environmental Clearance, under the regulatory frame work of EIA notification 2006 in compliance with MoEFCC notification S.O.1530 (E) dt 6th April 2018. Therefore, the Hon'ble Supreme Court's judgment is not applicable to this proposal.</p>
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ADS – 3: PP has submitted point wise reply letter dated 25/01/2025 against the ADS were raised on 09/12/2024		
1	PP needs to provide NoC from Forest Department clearly mentioning no involvement of forest land and area of the Mine.	The Subject mine is existing operating mine. No forest Land is involved. NOC from Forest Department was submitted.
2	PP needs to provide undertaking regarding EIA/EMP.	Undertaking regarding EIA/EMP report was submitted
3	PP needs to provide undertaking for No pending Court Cases w.r.t. the project	My Home Industries Private Limited hereby confirms that there is No Litigation Pending against the project and the same was submitted
4	PP needs to submit software generated Plagiarism certificate	The EIA Report has been evaluated using Licensed Version of Drill Bit Plagiarism Detection Software. The similarity is about 7%.
5	PP needs to submit affidavit as per MoEF&CC OM dated 30.05.2018	Affidavit as per MoEF&CC OM dated 30.05.2018 was submitted.
6	Ministry issued an Office Memorandum dated 08.01.2024 regarding the stay imposed by the Hon'ble Supreme Court with reference to the SOP dated 7th July, 2021 and OM dated 28.01.2022.	<p>The subject proposal was submitted within prescribed time frame as applicable for project under clause (b) of the MoEFCC notification S.O.1530 (E) dt 6th April 2018, which was issued with reference to Hon'ble Supreme Court Judgement dt 02.08.2017, for regularisation of environmental clearance under the regulatory frame work of EIA notification 2006, involving validity issue.</p> <p>Hon'ble Supreme Court vide its order dated 02.02.2024 in Writ Petition(s) (Civil) No(s). 1394/2023, clarified that "order dated 01.02.2024, would not come in the way of the component authorities in considering the proposals for modifications/ alterations in the Environmental Clearances, if area of such projects had any valid Environmental clearance prior to 7th July 2021". Further the same was also further clarified by SC order dt 17.12.2024, same was submitted.</p> <p>Subject mine had valid Environmental clearances prior to 7th July 2021".</p> <p>Credible action by Telangana State Pollution Control Board and court proceeding completed as per Specific ToR condition-1. Details are submitted.</p> <p>The proposal was appraised by EAC (Non-coal mining sector) in detail, in accordance with law & Hon'ble Supreme Court Judgement dt 02.08.2017, in the EAC meetings held during</p>

		<p>April 23-24, 2019; Sept 23-25, 2020 ; Feb 3-5, 2021; and also by Policy sector during meeting held on 17.06.2019 and recommended for ToR. The Ministry accepted the recommendation of EAC and accorded ToR vide J-11015/46/2019-IA.II(M) dated 26th March 2021;</p> <p>EIA/EMP report was prepared as per prescribed ToR and Public Hearing was also completed on 31.08.2023 for amalgamated mining lease.</p> <p>The subject proposal was submitted for obtaining final Environmental Clearance, under the regulatory frame work of EIA notification 2006 in compliance with MoEFCC notification S.O.1530 (E) dt 6th April 2018. Therefore, the Hon'ble Supreme Court's judgment is not applicable to this proposal.</p>
<p>ADS – 4: PP has submitted point wise reply letter dated 31/03/2025 against the ADS were raised on 08/02/2025</p>		
1	<p>Ministry issued an Office Memorandum dated 08.01.2024 regarding the stay imposed by the Hon'ble Supreme Court with reference to the SOP dated 7th July, 2021 and OM dated 28.01.2022.</p>	<p>OM was submitted.</p>
<p>ADS – 5: PP has submitted point wise reply letter dated 3/02/2026 against the ADS were raised on 16/04/2025</p>		
1	<p>PP needs to provide the details of demand raised by State DMG as per common cause order dated 02.08.2017, if any. PP also needs to submit the payments made therein to state DMG, if any</p>	<p>No demand has been raised or received from the State Department of Mines & Geology (DMG) pursuant to the Hon'ble Supreme Court's Common Cause order dated 02.08.2017.</p> <p>Accordingly, no payment has been made to the State DMG in this regard.</p>
2	<p>PP needs to submit software generated plagiarism certificate.</p>	<p>The EIA Report has been evaluated using Licensed Version of Drill Bit Plagiarism Detection Software. The similarity is about 7%. Similarly, the copy of the report was submitted.</p>
3	<p>Vide EDS reply dated 26.12.2023, PP stated that they will submit no forest land certificate at later stage, However, PP, has not yet provided the same. Accordingly, PP needs to submit a</p>	<p>The Subject mine is existing operating mine. No forest Land is involved. NOC from Forest Department was submitted.</p>

	certificate regarding 'No forest land 'involved in the project from the State forest Department.	
4	PP also needs to submit a letter/map authenticated by forest department stating that there are no National Park/ Wildlife Sanctuary/ Biosphere Reserve/ Eco-Sensitive Zone/ Eco Sensitive area/ Tiger/ Elephant Corridor within 10 km of radius of the project area.	The Subject mine is existing operating mine. MHIPL has obtained the letter from Forest department regarding the Mining lease area does not fall any part of National Parks, Wild life sanctuary /Eco Sensitive Zone/ Migratory routes/Tiger Corridors etc., There are no endanger flora and fauna in and around the Mining area. No objection Certificate issued to obtained Environmental Clearance and the same NOC from Forest Department was submitted.
5	PP in EDS reply dated 26.12.2023 submitted that WLCP shall be prepared. However, PP has not submitted that, yet. PP is accordingly, requested to provide authenticated list of flora and fauna and proof of submission of WLCP to State Forest Department.	<p>As per the Wildlife (Protection) Amendment, 2022, a total of 24 Schedule-I species have been identified within the study area. Accordingly, a comprehensive Wildlife Conservation Plan (WLCP) has been prepared for the Yapalamadharam–Choutapalli–Mellacheruvu cluster of mines of M/s My Home Industries Private Limited located in Suryapet District, Telangana.</p> <p>The WLCP covers site-specific conservation and mitigation measures to be implemented within the Reserved Forest blocks of Chintalapalem, Gurrambodu, Mattampally, Nemilipur, Pittalasarikota, Sultanpur, and Yepalmadhavaram, which fall within the project impact zone. The plan includes an authenticated list of flora and fauna recorded during the study period.</p> <p>The Wildlife Conservation Plan has been submitted to the State Forest Department, Government of Telangana, and forwarded to the Office of the Principal Chief Conservator of Forests (PCCF), Telangana. The Divisional Forest Officer (DFO) informed that the wildlife mitigation plan involves a financial outlay of ₹169.5 lakhs, to be implemented over a period of five (5) years.</p> <p>The approval of the WLCP has been communicated to the Office of the PCCF, Telangana, vide Rc. No. WL1-WL07/34/2024/WLS dated 28.05.2025, and a copy of the approval letter was submitted.</p>

xviii. Details of the Environmental Management Plan (EMP):

Activities	Capital cost (Lakhs)	Recurring cost (Lakhs - up to lease period)
Air Pollution Control Measures	30	160.00
Environmental Monitoring	0	172.82
Top soil mgmt.	89.6	0
Greenbelt	27.25	8.0
Retaining Wall Construction of retaining wall	13.15	0
Rainwater Garland Drain 1285 m and Settling tank	15.0	24
Occupational Health	0	102.4
Public Hearing commitments	101.75	-
Total (Rs in Lakhs)	276.75	507.22

xix. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Capital Cost of EMP: 276.75 Lakhs Capital cost of Public hearing: Rs. 101.75 Lakhs
Project Cost	Rs. 50 lakhs
Employment (No.s)	64

xx. Violation under SOP, dated 7th July, 2021. Point-Wise Compliance to SoP:

S. No	SOP dated 07.07.2021			Compliance
1	S. No	Status of EC	Actions	<p>The present proposal is for regularization of the amalgamated mine in accordance with the Gazette Notification S.O. 1530(E) issued by the Ministry of Environment, Forest and Climate Change dated 06.04.2018.</p> <p>The total area of the amalgamated mine is 262.247 hectares. The amalgamated mine comprises two Mining Leases, namely:</p>
	1	If no prior EC has been taken	Order to close its operation	
	2	If prior EC is available for existing/old unit	Order to revert the activity/ production to permissible limits	
	3	If prior EC was not required for earlier production level but is now required	Restrict the activity/production to the extent to which prior EC was not required	

		<p>ML-1: 46.08 hectares, with an approved production capacity of 1.0 MTPA</p> <p>ML-2: 216.167 hectares, with an approved production capacity of 0.82 MTPA</p> <p>Individual Environmental Clearances (ECs) were obtained for each of the above mining leases.</p> <p>During the year 2007–2008, there was an increase in production of 0.283 Million Tonnes over and above the sanctioned capacity of 1.0 MTPA in ML-1 (46.08 ha). However, there has been no increase in production after 2008, and the production subsequently reverted to the sanctioned capacity of 1.0 MTPA.</p>
2	Action under Environment (Protection), Act 1986	<p>A case was filed against My Home Industries Private Limited before the Junior Civil Court, Huzurnagar on 28.10.2022 under Section 15 of the Environment (Protection) Act, 1986. The case was registered as C.C. No. 1130/2022 on 02.11.2022. The matter was heard on multiple dates, and during the proceedings, the accused admitted the claim. The Court delivered its judgment on 02.05.2024, holding the accused guilty under Section 15 of the Environment (Protection) Act, 1986 and imposed a fine of Rs. 10,000/-. The fine amount was paid on the</p>

		same day, and the case was disposed of accordingly. Therefore, as on date, there is no court case or litigation pending relevant to the project.
3	Appraisal under EIA Notification, 2006	The project was appraised 25 th EAC meeting held on 09.01.2024
4	<p>Penalty Provisions for Violation Cases and applications</p> <p>a. For new projects</p> <p>i. Where operation has not commenced: 1% of the total project cost incurred up to the date of filing of application along with EIA/EMP report; [Ex: Rs. 1 lakh for project cost of Rs 1 Cr]</p> <p>ii. Where operations have commenced without EC: 1% of the total project cost incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover during the period of violation. [Ex: For Rs. 100 Cr project cost and Rs.100 Cr total turnover, the penalty shall be Rs. 1 Cr + Rs 0.25 Cr = Rs 1.25 Cr].</p> <p>b. For expansion projects:</p> <p>i. Where operation/ production with expanded capacity has not commenced: 1% of the total project cost attributable to the expansion, incurred up to the date of filing of application along with EIA/EMP report.</p> <p>ii. Where operation/ production with expanded capacity have commenced: 1% of the total project cost (attributable to the expansion activity), incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover (attributable to the</p>	<p>Penalty Amount is estimated as given below as per SOP vide OM No. F. NO. 22-21 /2020-IA.III dated 7th, July, 2021</p> <p>MHIPL has exceeded the production of 2,83,588 Tonnes in 2007 – 08 against the EC sanctioned capacity of 1 MTPA.</p> <p>Production Details and Turnover</p> <p>The Project Cost of the Amalgamated Mining Lease (ML) Area is Rs. 50 Lakhs.</p> <p>Penalty (A) is calculated at 1% of the Capital Cost, which amounts to Rs. 0.5 Lakhs.</p> <p>Mineral Cost (in Rs.)</p> <p>For the year 2007–08, the following details are applicable:</p> <ul style="list-style-type: none"> • Average Sale Price: Rs. 250 per tonne • Royalty: Rs. 45 per tonne • Production Cost: Rs. 40.32 per tonne

	<p>expanded activity/capacity) involved during the period of violation.</p>	<ul style="list-style-type: none"> • Net Mineral Cost: Rs. 164.68 per tonne • Limestone Production: 2,83,588 tonnes • Total Mineral Cost: Rs. 468 Lakhs <p>The Total Mineral Cost is Rs. 468 Lakhs.</p> <p>Penalty (B) is calculated at 0.25% of the Total Mineral Cost, which amounts to Rs. 1.17 Lakhs.</p> <p>The total penalty (A + B) = Rs. 0.5 Lakhs + Rs. 1.17 Lakhs = Rs. 1.67 Lakhs.</p> <p>The Penalty Amount, being 50% of Rs. 1.67 Lakhs, is Rs. 0.835 Lakhs.</p> <p>(MHIPL has self-declared to MoEFCC and obtained Violation TOR.)</p>
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3. Observation and Recommendation of the Committee:

The Proposal is for Environmental Clearance of Choutapalli Limestone Mine with production of Limestone 1.82MTPA and Top Soil 0.35MTPA (Total Excavation of 2.17MTPA) over an area of 262.247Ha (Amalgamated Mining Lease Area) located at Choutupalli Village of Mattampalli Mandal and Mellacherruvu Village of Mellacheruvu Mandal, Suryapet District, Telangana of M/s. My Home Industries Private Limited.

As per the KML file, the nearest village, Mattampalli, is located at a distance of approx. 1.63 km in the southwest (SW) direction.

The Project Proponent (PP) submitted that the State Government accorded approval for amalgamation of the mining leases vide G.O.Ms. No. 328 dated 12.12.2008, merging the leases into a single mining lease co-terminus with the first lease, which was originally valid up to 31.07.2025. The amalgamated mining lease deed was executed in the name of My Home Industries Limited on 24.12.2008. Subsequently, the Government permitted a change in the name of the company from My Home

Industries Limited to My Home Industries Private Limited under Rule 62 of the Mineral Concession Rules, 1960, vide G.O.Ms. No. 86 dated 26.11.2015.

Further, the Government extended the mining lease period to 50 years from the date of the original grant of the first mining lease, i.e., from 01.08.2005 to 31.07.2055, for the amalgamated mining lease area held by My Home Industries Private Limited at Choutupalli Village, Suryapet District, under Sub-section (5) of Section 8A of the Mines and Minerals (Development and Regulation) Amendment Act, 2015, vide G.O.Ms. No. 69 dated 24.08.2017. Accordingly, the mining lease deed was executed in favour of My Home Industries Private Limited for a period up to 31.07.2055.

The mining lease area of 262.247 ha is an amalgamated mine comprising two leases, namely 46.08 ha (ML-1) and 216.167 ha (ML-2). Both leases have obtained separate Environmental Clearances: ML-1 under the EIA Notification, 1994 and ML-2 under the EIA Notification, 2006.

PP has obtained ToR vide letter J-11015/46/2019-IA.II (M) dated 26.03.2021 Under MoEF&CC Gazette Notification S.O. 1530 (E) dated 06.04.2018.

The Project Proponent (PP), My Home Industries Private Limited, has obtained Environmental Clearance for its captive limestone mines as detailed below:

- Environmental Clearance was granted vide letter no. J-11015/25/2006-IA.II (M) dated 26.05.2006 for Choutapalli Limestone Mine (ML area: 46.08 ha; production capacity: 1.00 MTPA) located at Choutapalli Village, Suryapet District, Telangana, under the provisions of the EIA Notification, 1994.
- Subsequently, Environmental Clearance was granted vide letter No. J-11015/576/2007-IA.II (M) dated 31.07.2008 for Choutapalli Limestone Mine-II (ML area: 216.167 ha; production capacity: 0.82 MTPA) located at Choutapalli Village, Suryapet District and Mellacheruvu Village, Suryapet District (erstwhile Nalgonda District), Telangana, under the provisions of the EIA Notification, 2006.

As per the ToR letter dated 26.03.2021, the Project Proponent exceeded the Environmental Clearance capacity granted on 31.07.2008 during the year 2006–07, wherein production reached 1,283,588 tonnes against the approved capacity of 1,000,000 tonnes. The production also exceeded the approved Mining Plan capacity during the years 2006–07 and 2007–08. Since 2008, the production has remained within the limits prescribed under the Environmental Clearance and approved Mining Plan. Accordingly, the case has been treated as a violation under the provisions of the EIA Notification, 2006 and its subsequent amendments.

PP has informed that a Credible Action has been initiated and case was filed against MHIPL in Jr. Civil Courts, Huzurnagar vide CC No. CC/5955/2022 on 28.10.2022

under SOP prescribed by Ministry. The case was registered vide number CC/1130/2022 on 02.11.2022. The case is under progress.

Consent to Operate has been obtained from Telangana State Pollution Control Board and at present Consent to Operate (CTO) was obtained vide consent order No: 210522985728 dated 23.07.2021 and is valid up to 30.06.2026.

PP has submitted the Past production details authenticated by Department of Mines and Geology vide letter no. 2417/M2/2008 dated 15.03.2019.

S.No.	Year	Production in MT ML- 46.08Ha	Production (ML- 216.167Ha)	Remarks
1	2005-06	Nil	Nil	
2	2006-07	35,000	Nil	
3	2007-08	12,83,588	Nil	
		7,20,700	Nil	Up to 23.12.2008
4	2008-09		4,24,300	After Amalgamation of Mining Lease (262.247Ha) on 24.12.2008
5	2009-10		14,35,000	
6	2010-11		12,76,000	
7	2011-12		9,42,000	
8	2012-13		15,52,403	
9	2013-14		15,17,388	
10	2014-15		15,76,600	
11	2015-16		16,01,990	
12	2016-17		12,10,635	
13	2017-18		16,24,128	

S.No.	Year	Production in MT ML- 46.08Ha	Production (ML- 216.167Ha)	Remarks
14	2018- 19		15,13,626	(Up to 28.02.2019)
	TOTAL		1,67,13,358 MT	

The PP has collected fresh baseline data during the winter season of 2022–23, covering the period from December 2022 to February 2023. The various environmental parameters monitored such that the Ambient air quality, water quality, ambient noise levels, soil quality, ecology (terrestrial and aquatic), land use, demographic & socio-economic conditions.

The PP informed vide letter dated 28.05.2025 that no forest land is involved in the project. It was further stated that there are no National Parks, Wildlife Sanctuaries, or other environmentally sensitive areas within a 10 km radius of the mining lease area, as confirmed by the Forest Department vide letter dated 28.05.2025. The PP has also submitted the list of Schedule-I species present within a 10 km radius of the mining lease area, as authenticated by the Forest Department.

The Public Hearing (PH) advertisement was published in the newspapers “The New Indian Express” (English) and “Eenadu” (Telugu) on 28.07.2023. The Public Hearing was conducted on 31.08.2023 under the chairmanship of the Collector & District Magistrate, Suryapet District, Telangana. The major issues raised during the Public Hearing included - Provision of employment opportunities for local people, Distribution of tricycles for physically handicapped persons, Development and repair of damaged village roads, Skill development programmes for local residents, Development of village infrastructure, Organisation of medical camps and Avenue plantation. To address the concerns raised during the Public Hearing, the PP has proposed a budget of ₹101.75 lakh over a period of three years. EAC noted the submission of PP and advised PP to submit the details of expenditure on activities agreed by proponent during Public hearing to be done in three years or before with year wise break-up listing only items of capital expenditure which can be measured and monitored

A case was filed against My Home Industries Private Limited before the Junior Civil Court, Huzurnagar on 28.10.2022 under Section 15 of the Environment (Protection) Act, 1986. The case was registered as C.C. No. 1130/2022 on 02.11.2022. During the proceedings, the accused admitted the claim. The Court delivered its judgment on 02.05.2024, holding the accused guilty under Section 15 of the Act and imposed a fine of ₹10,000. The fine amount was paid on the same day and the case was disposed of accordingly. Therefore, no litigation or court case is presently pending in respect of the project. The PP has also submitted an undertaking dated 18.02.2026 to this effect.

PP has informed that the capital cost of EMP is Rs. 276.75Lakhs and recurring cost of Rs. 507.22Lakhs.

PP has stated that the penalty amount for the violation period has been estimated in accordance with the Standard Operating Procedure (SOP) issued by the Ministry for handling violation cases under the EIA Notification, 2006. The excess production occurred during the year 2007–08, wherein 2,83,588 tonnes of limestone were produced against the Environmental Clearance (EC) sanctioned production capacity of 1.0 MTPA. For the purpose of penalty calculation, the capital cost of the amalgamated mining lease area was considered as ₹50 lakhs. Accordingly, 1% of the capital cost, amounting to ₹0.5 lakh, was considered as Penalty (A).

Further, the total mineral cost was calculated based on the average sale price of limestone (₹250 per tonne), royalty charges (₹45 per tonne), and production cost (₹40.32 per tonne), resulting in a net mineral cost of ₹164.68 per tonne. For the excess production of 2,83,588 tonnes, the total mineral cost works out to ₹468 lakh. As per the SOP, 0.25% of the total mineral cost is considered as Penalty (B), which amounts to ₹1.17 lakh.

Thus, the total penalty calculated as per the SOP is ₹1.67 lakh (Penalty A + Penalty B). As per the prescribed guidelines, 50% of this amount is considered as the final penalty, which works out to ₹0.835 lakh.

The Committee, during deliberations, emphasized that the total amount proposed for Natural Resource Augmentation Plan (NRAP) and Community Resource Augmentation Plan (CRAP) needs to be revised. Accordingly, the Committee advised the Project Proponent to revise the amount for NRAP and CRAP, as well as the penalty amount, in accordance with the SOP issued vide OM No. F. No. 22-21/2020-IA.III dated 7th July 2021.

The Committee further deliberated upon the ToR dated 26.03.2021 issued under the provisions of the EIA Notification, 2006, wherein it was mentioned that the Project Proponent had exceeded the approved mining plan capacity during the years 2006–07 and 2007–08. In this regard, the Committee directed the PP to revise the penalty amount based on the Environmental Management Plan (EMP) cost considered at the time of issuance of the Environmental Clearances dated 26.05.2006 and 31.07.2008.

The Committee also asked the PP to provide clarity regarding the exact year in which the excess production occurred. The Committee observed that if the excess production pertains only to the year 2007–08, the PP shall seek amendment of the ToR dated 26.03.2021 accordingly.

During the deliberations, the Committee noted that Para 5 of the ToR letter dated 26.03.2021 states that Choutapalli Limestone Mine–I (46.08ha) and Mine–II

(216.167ha) share a common boundary and that, as per Specific Condition (iii) of the EC dated 31.07.2008, the mining leases were required to be amalgamated. Upon examining Specific Condition (iii) of the Environmental Clearance dated 31.07.2008, which stipulates that *“the subject mining lease (ML area 216.167ha) shall be amalgamated with the existing lease (ML area 18.211 ha) of the company, and after amalgamation, mining shall be undertaken from one side at a time,”* the Committee sought clarification from the Project Proponent (PP) regarding the details of the lease area of 18.211ha proposed for amalgamation with the ML area of 216.167ha, along with supporting documentary evidence.

EAC enquired about the EIA/EMP submitted by PP during appraisal and EC grant of the mine project. EAC wanted to know whether PP had implemented the EMP after grant of EC (issued on 26.05.2006 and 31.07.2008). However, PP could not submit/show the earlier EMP (it had submitted during earlier EC grant).

In view of the above, the Committee **deferred** the proposal and asked to submit the following requisite information:

- i. PP needs to revise the penalty amount based on the EMP prepared at the time of issuance of the EC dated 26.05.2006 and 31.07.2008. PP also needs to revise the cost mentioned in the Chapter-13 of EIA-EMP report.
- ii. PP needs to submit EIA/EMP that was submitted during appraisal and grant of EC (i.e. EC issued on 26.05.2006 and 31.07.2008). PP needs to also submit the details of the EMP implemented after the grant of EC (i.e. EC issued on 26.05.2006 and 31.07.2008), along with necessary proofs, supporting documents, photographs, etc.
- iii. The Project Proponent (PP) shall submit the justification for the excess production during the years 2006–07 and 2007–08, as mentioned in the ToR letter dated 26.03.2021. If the excess production occurred only during one year (i.e. 2007-08), then the PP shall submit an application for amendment of the ToR dated 26.03.2021.
- iv. As per the ToR letter dated 26.03.2021, ML-I (46.08ha) and ML-II (216.167ha) were required to be amalgamated to form the ML area of 262.247Ha. However, specific condition no. (iii) of the Environmental Clearance dated 31.07.2008 stipulates that *“the subject mining lease (ML area 216.167ha) shall be amalgamated with the existing lease (ML area 18.211 ha) of the company, and after amalgamation, mining shall be undertaken from one side at a time.”* Therefore, PP needs to submit clarification as to why 18.211 ha was mentioned in the earlier EC (dated 31.07.2008) condition, which has not been mentioned in the TOR letter dated 26.03.2021.
- v. PP shall submit details of expenditure on activities agreed during Public hearing to be done in three years or before with year wise break-up listing only items of capital expenditure which can be measured and monitored .

2.5 Amendment in ToR dated 25.09.2023 granted to Godbaem-OuCuttiemCurpem Mine of M/s Rajesh P Timblo with expansion in production capacity of Iron Ore from 0.10 MTPA to 0.5 million TPA over an extent of 70.7948 ha situated at Survey no 2(part) of Govt. Forest land and survey no's 5(part), 6(part), 7(part), 8(part), 10(part), 12(part), & 13(part) at Curpem Village, Sanguem Taluka, South Goa District, Goa - Amendment in Term of Reference (ToR) reg.

[Online Proposal No. IA/GA/MIN/459811/2024, File No. J-11015/111/2018-IA. II(M), EIA Consultant - M/s Mineral Engineering Services]

The instant proposal is for Amendment in Term of Reference (ToR) dated 25.09.2023 granted to Godbaem-OuCuttiemCurpem Mine of M/s Rajesh P Timblo with expansion in production capacity of Iron Ore from 0.10 MTPA to 0.5 million TPA over an extent of 70.7948 ha situated at Survey no 2(part) of Govt. Forest land and survey no's 5(part), 6(part), 7(part), 8(part), 10(part), 12(part), & 13(part) at Curpem Village, Sanguem Taluka, South Goa District, Goa.

2. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	Godbaem-Ou Cuttiem Curpem Mine Mine	
Location	Village	Survey no 2(part) of Govt. Forest land and survey no's 5(part), 6(part), 7(part), 8(part), 10(part), 12(part), & 13(part) of private lands of Curpem
	Tehsil/Taluka	Sanguem
	District	South Goa
	State / UT	Goa
	Latitudes	15 ⁰ 07'49.48025" N to 15 ⁰ 08'23.34063"N
	Longitudes	73 ⁰ 10'01.58212" E to 73 ⁰ 10'38.86888" E
	Sol Topo sheet No.	D43C4
Company's Name	M/s. Rajesh P Timblo	
Accredited Consultant and	Accredited Consultant: Mineral Engineering Services QCI.No.: ORG000756	

certificate no. and Validity	valid upto: 15/05/2026
KML file	Submitted as a file named as Godbaem-Ou Cuttiem Curpem Mine
Seismic zone	III

ii. **Category details:**

Category of the project	B1
Schedule No.	1(a) Mining of Minerals
Mining lease Area (MLA) (in ha.)	70.7948
General Conditions (if any)	Netravali Wildlife Sanctuary within 5 KM radius

iii. **ToR/EC Details:**

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
07.08.2023	IA/GA/MIN/439511/2023	08.08.2023	J-11015/40/2005-IA.II(M)	25.09.2023

Date of application	Proposal No/ File No	Consideration by EAC	Details of EC	Date of accord
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iv. **Details of Mine Lease in chronological manner:**

S. no.	Prospecting License/ Letter of Intent (Lol)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral&(Major/Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Conversion from Concession to Mining Lease	22/11/1987	Iron Ore (Major)	20	DMG Goa	69.4745

2	No 96/377/88IIR Mines/3243 read out	22/11/2007	Iron Ore (Major)	20	DMG Goa	69.4745
	No 96/377/88/IIR- Mines/3273					

Note: Mining lease as per Lease deed is 69.4745 Ha & as per Approved DGPS Survey plan is 70.7948 Ha.

v. Land Use/Land Cover of the Mine Lease Area:

Private land	32.1947 Ha
Government land	--
Forest Land	38.6001 Ha
Total Mining lease area (MLA), ha	70.7948 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	MCDR-MPC0FE/6/2023-GOA-IBM RO GOA
	Date	08.11.2023
	Mineral & (Major/Minor)	Iron Ore
	Mine Lease Area, Ha	70.7948 Ha
	Validity	2027-28
Additional information (if any)		
Mining Parameters	Quantitative Description	
Method of Mining	Mechanized Opencast Mining Method using Heavy Earth Mining Machinery.	
Drilling/Blasting	No Drilling & Blasting will be carried out.	
Geological Reserves	3.891Million Tonnes (Geological Reserves & Resources)	

Mineable Reserves	2.177Million Tonnes
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Breakup of Total Excavation ROM (Iron Ore) : 0.5MTPA Topsoil: Nil OB/SB/IB/Waste :0.531MTPA Mineral Rejects: Nil
Life of mine	5 years
Mine Bench Height& Bench Width	Mine Bench height: 6 m Mine Bench width: 8m
No. of Mine Benches	8 (existing)
Existing Depth, m bgl	30 m RL
Ultimate Depth of Mining, m bgl	36m RL
Ground Water Table, m bgl	50 m RL
Details of ground water intersection	50 m RL
Individual bench slope	70°
Overall pit slope	35°
Details of existing/ proposed Crusher	There is proposal of engaging mobile Jaw crusher and dry screening
Mineral Beneficiation	Nil
ROM output size	-80 mm.
Transportation details including capacity of dumper/tipper, mode of transport and distance	The mode of transportation of ore from the Mine is by road by engaging Tipper Trucks/ Dumper. The distance proposed to be travelled for transportation of ore from Mine to the jetty/destination is about 35 Kms.
Generation of Topsoil/OB & its Management during plan period & conceptual period	<ol style="list-style-type: none"> 1. There is no generation of Topsoil as the working is proposed in already broken-up area. 2. Waste (OB) generated will be disposed at the earmarked site as per Approved Mining plan.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	There is no generation of Mineral Rejects.

Additional information(if any)	None
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vii. Water requirement:

Total water requirement	98KLD	Fresh water	3 KLD
		Treated water	95 KLD (Mine Pit water)
Source	1. Mine Pit Water – used for Dust suppression, Workshop, Wheel wash System and Green belt/plantation. 2. Well water – used for Domestic purpose.		
Permission for withdrawal/ intersection along with details of grant and its validity	Permission was obtained in 2024 and is in the processed of getting renewed since the validity was for one year		
Additional information (if any)	None		

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance (Km)	Directions
Village	Curpem Village	0.5	SE
Town	Sanguem	10.5	NNW
Highway	MDR-34	0.24	W
Interstate Boundary	Karnataka State	11.43	E
Railway Station/Railway line	Sanvordem railway Station	30	NW
Water Bodies	Salauli Back water	0.45	E
Forest	Curpem Forest	Within ML Area	

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department

		mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	Yes	Approved Proposal No. FP/GA//MIN/367/2002 FC letter Stage II -8-68/2002-FC Date of issue :11/11/2008 Forest Area 38.6001
National Park	No	--
Wildlife Sanctuary	Yes	Netravali Wild Life Sanctuary is at a distance of 2.5Km from boundary Mining Lease Area.
Elephant/Tiger Reserve	No	--
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA)	Yes	1. Netravali Wildlife Sanctuary Eco Sensitive Zone is at a distance of 1.5Km from the boundary towards Eastern side of the ML Area. 2. The Mineral Block does not fall within the Eco-Sensitive Area.
Coastal Regulation Zone (CRZ)	No	--
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	-	Details regarding Schedule-I species will be provided in the EIA report after carrying out baseline study.
Wildlife Conservation Plan	-	Based on the observation of Schedule-I species in the study area during the baseline study.

x. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	Proposed areas to be brought under plantation is as given below: 1. Greenbelt –2.45 Ha
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	Plantation of around 7500 saplings is proposed.
Budget for green plant & plantation till the end of life of mine.	3.75 Lakhs
Budget for nursery	Saplings from Forest Department, Government of Goa will be procured.
Details of existing plantation and its survival rate	2.0 Ha with a total plantation of 2215 with survival rate of 65%
No. of tree cuts in the mine lease area and compensatory afforestation	500 No of trees is proposed to cut out which 100 trees is proposed for transplantation in mining lease area
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	1. Greenbelt –2.45 Ha (within 7.5m barrier) 2. Plantation – 3.0 Ha
50 m safety zone of nallah, roads, electric lines	50 m safety zone for existing Seasonal nalla
500 m safety zones of nearest habitation villages	No Drilling and blasting activity is proposed.

xi. **Baseline detail:**

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	Oct-2023 to Dec-2023
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Post monsoon
Predominant Wind direction (From)	East to West
Ambient Air Quality (no. of locations) and results	<u>Ambient Air Quality</u> No. of locations: 8
Noise level (no. of locations) and results	<u>Noise Levels</u> No. of locations: 9
Water Quality (no. of locations) and results	<u>Surface Water Quality</u> No. of locations: 8

	<u>Ground Water Quality</u> No. of locations: 9
Soil Quality (no. of locations) and results	<u>Soil Quality</u> No. of locations: 6
Hydro geological study and results	Hydrogeological study prepared and submitted to WRD
Traffic study (no. of locations) and results	Traffic study carried out and will be Submit in EIA/EMP report.

xii. Public Hearing (PH) Details: Present application is for Grant of TOR.

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	Not Applicable
Date of PH	Not Applicable
Venue	Not Applicable
Chaired by	Not Applicable
Main issues raised during PH	Not Applicable
Budget proposed for addressing issues raised during PH over 3 years	Not Applicable
Additional information (if any)	

xiii. Details of CTE/CTO, Certified Compliance Report, and Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	Application for CTE will be filed after obtaining Environmental Clearance.
Consent to Operate	Application for CTO will be filed after obtaining Environmental Clearance and CTE.
Certified Compliance Report and Inspection date	Not Applicable
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Not Applicable

xiv. Rehabilitation & Resettlement (R&R):

R & R details	Resettlement is not proposed during life of mine.
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xv. Court case details:

Court Case, No. and its present status	Nil
Undertaking by Project Proponent w.r.t court case	Not Applicable

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	Affidavit enclosed
Undertaking by Project Proponent in EIA/EMP report	Will be provided.
Undertaking by Consultant in EIA/EMP report	Undertaking by Consultant will be included in EIA/EMP Report after obtaining TOR
Plagiarism Certificate	Plagiarism Certificate will be included in the EIA/EMP Report

xvii. EDS/ADS details (If any):

S. No	EDS/ADS Point	Reply by Project Proponent
1	Kindly inform the credible action under Environment (Protection) Act, 1986 by Goa SPCB	Accordingly, we requested the GSPCB, Goa to provide a reply to the information sought by MoEF&CC through EDS vide our letter no VT/01/2024-25 dated 18.04.2024 We received a reply from Member Secretary, GSPCB, Goa through

		<p>their letter no 2025/GSPCB/Letter/1576/Tech/2946 dated 09.05.2024.</p> <p>They have confirmed that Consent to Operate (CTO), issued vide order No. S/2601/15-PCB/CI 3773 Dated 07/02/2018, which was valid till 08/06/2019.</p>
2	<p>ADS</p> <p>Query Description : The proposal for Terms of Reference of Godbaem-Ou Cuttiem Curpem Mine (TC No. 63/51) of Smt. Vidya RajeshTimblo with expansion in production capacity of Iron Ore from 0.10 million TPA to 0.5 million TPA over an extent of 70.7948 ha situated at Survey no 2(part) of Govt. Forest land and survey no's 5(part), 6(part), 7(part), 8(part), 10(part), 12(part), & 13(part) at Curpem Village, Sanguem Taluka, South Goa was considered and recommended vide minutes of the 19th EAC meeting held during 24-25 August 2023. Vide minutes of the said meeting EAC noted and observed the the following:</p> <p>.....The EAC also noted that the mine lease area is located within 2.5 km of</p> <p>Netravali Sanctuary. The DMG vide letter dated 27.03.2023 also informed that w.r.t NBWL permission it may be noted that the subject lease is located within 10 km of National Park/Wildlife Sanctuary but outside the boundary limit of notified ESZ, therefore prior clearance from NBWL may not be necessary. However, if any such permission from NBWL is found to be necessary by EAC then the same will have to be explicitly mentioned in the EC. The EAC observed that a Draft notification, for declaration of Eco-Sensitive Zone around Netravali</p>	<p>WITHOUT PREJUDICE</p> <p>Sub: Request to process application in terms of OM dated 20.01.2026</p> <p>Ref.: i. Application for Environment clearance bearing Proposal No. IA/GA/MIN/459811/2024.</p> <p>ii. Office Memorandum dated 07.07.2021: Standard Operating Procedure (SOP) for identification and handling of violation cases.</p> <p>iii. TOR dated 25.09.2023</p> <p>iv. Our request for amendment of TOR dated 25.01.2024.</p> <p>v. Our reply to EDS dated 18.04.2024.</p> <p>vi. Our reply to ADS dated 12.08.2025.</p> <p>vii. ADS dated 30.08.2025</p> <p>viii. Our reply to ADS dated 11.09.2025</p> <p>ix. Office Memorandum dated 20.01.2026 bearing File No. IA3-3/72024-IA-II(PartI) [E 254652].</p> <p>Sir,</p> <p>1. The Applicant herein has filed an application seeking the grant of an environment clearance for the operation of her mine (Godbaem-Ou Cuttiem Curpem Mine) in Goa, bearing Proposal No. IA/GA/MIN/459811/2024. The proposal came to be treated as a violation case.</p> <p>2. Accordingly, by the afore-referred ADS dated 07.10.2025, the said proposal had been delisted citing the judgment dated 16.05.2025 of the Hon'ble Supreme Court in</p>

<p>Wildlife Sanctuary in Goa, was published by MoEF vide S.O. 631 (E), dated 3rd March 2014 and the Final notification was published by MoEF vide S.O. 555 (E), dated 17.02.2015. The EAC also observed that the Project Proponent had carried out mining till the year 2013 without NBWL clearance. The Project Proponent also informed the EAC that at present mine is not in operation. The EAC opined that the instant proposal attracts the judgment of</p> <p>Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors and violation of the EIA Notification, 2006.....</p> <p>Based on above recommendation, Ministry granted the ToR on 25.09.2023 under SOP dated 07.07.2021. The SOP dated 07.07.2021 has been quashed by Hon'ble Supreme court vide order dated 16.05.2025. Ministry has also issued an OM dated 26.05.2025 for its compliance. The relevant portion of the judgment dated 16.05.2025 is given as under:-</p> <p>"36. Hence, we pass the following order:</p> <p>a) We hold that the 2017 notification and the 2021 OM as well as all circulars/orders/OMs/notifications issued for giving effect to these notifications are illegal and</p> <p>are hereby struck down;</p>	<p>Vanashakti v Union of India, W.P. (C) 1394 of 2023, quashing the OM dated 07.07.2021 dealing with the processing of violation cases.</p> <p>3. Now, in view of the Hon'ble Supreme Court's judgment dated 18.11.2025 in Review Petition (C) Diary No. 41929/2025, by an OM dated 20.01.2026, the Ministry has been pleased to direct that pending applications may be processed in terms of the OM dated 07.07.2021.</p> <p>4. The Applicant had even prior to the said judgment dated 16.05.2025 maintained that it does not qualify as a violation case, and hence ought not to be proceeded under said the SOP dated 07.07.2021. This was communicated by letters dated 25.01.2024 , 18.04.2024, and 12.08.2025.</p> <p>The Applicant's stand was also backed by responses from (i) the Directorate of Mines and Geology of the Government of Goa dated 27.03.2023, (ii) Goa SEIAA dated 08.01.2024, (iii) the Forest Department of the Government of Goa dated 19.01.2024 and (iv) the Goa State Pollution Control Board dated 10.05.2024.</p> <p>5. Consequently, while maintaining that this is not a violation case and without prejudice this contention, in the interest of expedition, the Applicant requests that its application may be processed in terms of the SOP dated 07.07.2021 read with the latest OM dated 20.01.2026.</p>
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	<p>b) We restrain the Central Government from issuing circulars/orders/OMs/notifications providing for grant of ex post facto EC in any form or manner or for regularising the acts done in contravention of the EIA notification;</p> <p>c) We clarify that the ECs already granted till date under the 2017 notification and the 2021 OM shall, however, remain unaffected."</p>	
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xviii. Details of the Environmental Management Plan (EMP):

The details asked in the below table is presently not applicable.

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Not Applicable	Not Applicable	Not Applicable
Not Applicable	Not Applicable	Not Applicable

xix. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Not Applicable.
Project Cost	9.5
Employment (No.s)	Direct & indirect employment of 150 persons.

3. Observation and recommendation of the committee

The Project Proponent (PP) and the consultant presented the proposal for amendment in Terms of Reference (ToR) letter dated 25.09.2023. Vide instant proposal, PP requested for modification of Specific Terms of Reference for Mining of Minerals Condition No. 2 -Violation in the ToR letter dated 25.09.2023 issued by the Ministry.

EAC noted that the instant ToR dated 25.09.2023 was recommended by the EAC during 19th EAC meeting held on 24-25 Aug 2023. As per the minutes of the said meeting PP had operated the mine without EC till 2005 and PP had also carried out mining till 2013 without NBWL Clearance. EAC also reiterated the para 186 (4) of the common cause judgment which inter-alia states the following:

“(4) There is no doubt that a new mining project after 27th January, 1994 would require a prior EC.”

Further in the meeting PP accepted that they have operated the mine without EC from 2001 to 2005 and also did not obtain clearance from NBWL with respect to presence of Netravati sanctuary at a distance of 2.5 Km from the ML area. PP also agreed to submit the EIA/EMP as per violation ToR dated 25.09.2023.

In view of the above, EAC **recommended to return the proposal in present form.**

2.6 Mevasa Bauxite (Aluminous Laterite) mine with production capacity of 1,49,248TPA in the mine lease area of 8.7305 ha by M/s Patel Kaushik Kumar located at Village Mevasa, Taluka Kalyanpur, District Devbhumi Dwarka, Gujarat – Environmental Clearance reg.

[F.No. J-11015/36/2022-IA.II (M), Proposal No. IA/GJ/MIN/554852/2026, EIA Consultant - M/s In Situ Enviro Care]

The proposal is for Environmental Clearance of Mevasa Bauxite (Aluminous Laterite) mine with production capacity of 1,49,248TPA in the mine lease area of 8.7305 ha by M/s Patel Kaushik Kumar located at Village Mevasa, Taluka Kalyanpur, District Devbhumi Dwarka, Gujarat

2. The details of the project submitted by the Project Proponent are given under:

i. Project details:

Name of the Proposal	Mevasa Bauxite (Aluminous Laterite) Mining Project, Survey no. 259	
Location	Village	Mevasa
	Tehsil/Taluka	Kalyanpur
	District	Devbhumi Dwarka
	State / UT	Gujarat
	Latitudes	22° 15' 6.86" N to 22° 15' 22.03" N
	Longitudes	69° 17' 51.10" E to 69° 18' 7.59" E
	Sol Topo sheet No.	F42 J08
Company's Name	Patel Kaushik Kumar	
Accredited Consultant and certificate no. and Validity	In Situ Enviro Care, Bhopal NABET/EIA/24-27/IA 0146 valid up to October 24, 2027	
KML file	Submitted	
Seismic zone	Seismic Zone IV, as per seismic zone map of India	

ii. Category details:

Category of the project	A
Schedule No.	1 (a) (i)
Mining lease Area (MLA) (in ha.)	8.7305
General Conditions (if any)	Yes; Protected areas notified under the wildlife (Protection) Act, 1972 Marine Sanctuary at a distance of 1.25 Km

iii. ToR/EC Details:

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
22.08.2022	IA/GJ/MIN/289746 /2022/ IA-J-11015/36/2022-IA-II(NCM)	Considered and recommended for TOR in 27 th EAC (NCM) during 20-21 st February, 2024	Terms of Reference (TOR) prescribed by MoEF&CC, vide File no. File No: J-11015/36/2022-IA.II (M)	18.02.2025

iv. Details of Mine Lease in chronological manner:

S.No	Prospecting License/ Letter of Intent (Lol)/ Grant of Mine lease and Lr No	Date of the grant	Name of the Mineral & (Major/Minor)	Period of Grant	Granted by	Mine lease area in Ha
1	Letter of Intent (Lol)- Order no. MMR/102021/ BLK/534113/CHH1	30.06.2021	Bauxite (Aluminous Laterite), Major	Valid for 3 years from the date of issuance.	Industries & Mine Department, Gandhinagar, Gujarat	8.7305

2	Extension of Validity of LOI- Order No: MMR/102021/BKL/534113/CHH1	07.12.2024	Bauxite (Aluminous Laterite), Major	Valid for 3 years from the date of issuance.	Industries & Mine Department, Gandhinagar, Gujarat	8.7305
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v. Land Use/Land Cover of the Mine Lease Area:

Private land	Yes
Government land	--
Forest land	--
Total Mining lease area (MLA), ha	8.7305
Private land for crusher, workshop & other infrastructure outside the MLA	--
Additional information (if any)	--

vi. Mining plan details:

Mining Plan including Progressive Mine Closure Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	File No. 684(4)(1)/MP-401(370)/2021-22/GNR/160 Dated 12.04.2022 by IBM, Office of Regional Controller of Mines, Gandhinagar, Gujarat
	Date	12.04.2022
	Mineral & (Major/Minor)	Bauxite (Aluminous Laterite) (Major)
	Mine Lease Area, Ha	8.7305
	Validity	Valid for 5 years
Additional information (if any)		
Mining Parameters	Quantitative Description	
Method of Mining	Open cast semi mechanized mining	
Drilling/Blasting	N/a	
Geological Reserves	994498 Tonnes	
Mineable Reserves	695530 Tonnes	

Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/Waste, MTPA)	S.No	Year	Total Handling (T)	Mineral Waste Quantity (T) Grade: 20 % Al ₂ O ₃	ROM Quantity (T)	ROM Quantity Saleable Mineral (t)
	1	I st	114780	67325	47455	47455
	2	II nd	184472	127219	57253	57253
	3	III rd	124157	65775	58382	58382
	4	IV th	297577	213331	84246	84246
	5	V th	268762	119514	149248	149248
	Total		989748	593164	396584	396584
	Life of mine	About 5 years				
Mine Bench Height & Bench Width	5 m & 5 m					
No. of Mine Benches	3					
Existing Depth, m bgl	--					
Ultimate Depth of Mining, m bgl	22.44					
Ground Water Table, m bgl	28 m					
Details of ground water intersection	None					
Individual bench slope	75 ^o					
Overall pit slope	45 ^o					
RoM output size	268762 (ROM-Maximum during 5 th year)					
Transportation details including capacity of dumper/tipper, mode of transport and distance	Trucks (Capacity of 15 Tonnes) through NH 947 transport the extracted Bauxite to the end users without crossing any habitation. The distance of haul road is 3.473 Km. (Mine site to nearest mettle road) and distance from the mettle road to NH-947 is 10.275 km).					
Generation of Topsoil/OB & its Management during plan period & conceptual period	Top Soil (CUM): 5066 (During fourth and fifth year); Reuse in plantation.					

vii. Water requirement:

Total water requirement	9 KLD	Fresh water	1.0
		Treated water	8.0
Source	Private water tankers		
Permission for withdrawal/ intersection along with details of grant and its validity	--		
Additional information(if any)			

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest

Particulars	Particular's Name	Distance & Directions
Village	Virpur	1.324 km, NE
Town	Khambaliya	35 km, SE
Highway	NH-947	9.512 km , South
Interstate Boundary	--	--
Railway Station/Railway line	Bhatiya	17.440 km, South
Water Bodies	Rani Nadi	1.132, SW
Forest	--	--

ix. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	As per letter no. KA/JAMAN/TE.7/151/2025-26 dated 05.06.2025 issued by the Office of DCF; Jamnagar Forest Division- Does not include any forest area.
National Park	No	Marine National Park – 5.80 km
Wildlife Sanctuary	Yes	Marine Sanctuary – 1.25 km
Elephant/Tiger Reserve	No	--
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA)	Yes	Eco Sensitive Zone of Marine National Park & Sanctuary is 17 m as per NOC certificate received from Forest & Environment Department, Government of Gujarat dated 08.01.2024

Coastal Regulation Zone (CRZ)	No	The mine lease does not fall in CRZ. The distance from the mine lease (Pillar A) to HTL is 959.65 m. Approved CRZ map received from Institute of Remote Sensing, Anna University, Chennai on 10.10.2025 confirms the same. The copy of approved map has been submitted by PP.
Schedule-I species (No's and name of schedule-I species with authenticated letter)	Yes	28 schedule-I species have been recorded in the study area during field survey. The name of schedule-I species is given in authenticated list of flora and fauna as per Wildlife (Protection) Amendment Act, 2022 is obtained from the office of PCCF, Wildlife, Gujarat State vide letter no. WLP/TE-1/C/ 561/2025-26 dated 19.12.2025.
Wildlife Conservation Plan	Yes	The wild conservation plan has been Prepared in consultation with local Forest department. The conservation plan is approved vide letter no WLP/B/32/4104-06/2025-26 by the office of P.C.C.F, Gujarat State dated 08.10.2025; Rs 55 Lakhs is approved for restoration of habitat, removal of unwanted plant species, development of water holes/creeks, awareness programmes, use of sign boards, capacity building to forest department for monitoring and supervision, habitat conservation protection & habitat improvement, biodiversity Assessment and monitoring.

x. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	2.88 Ha; 7200 saplings
Budget for green plant & plantation till the end of life of mine.	7,00,000

xi. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)	
Period of baseline data collection	March 2025 to May 2025
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer
Predominant Wind direction (From)	West to East
Ambient Air Quality (no. of locations) and results	<p>8 Locations</p> <p>Results:</p> <ol style="list-style-type: none"> 1. PM10 ranges from 61.2 to 80.6 $\mu\text{g}/\text{m}^3$ 2. PM2.5 ranges from 28.2 to 44.6 $\mu\text{g}/\text{m}^3$ 3. SO2 ranges from 3.9 to 6.9 $\mu\text{g}/\text{m}^3$ 4. NO2 ranges from 10.2 to 20.6 $\mu\text{g}/\text{m}^3$ 5. CO ranges from 590 to 760 $\mu\text{g}/\text{m}^3$
Noise level (no. of locations) and results	<p>8 Locations</p> <p>Results:</p> <p>Day Time – 38.9 – 53.6 dB (A)</p> <p>Night Time – 30.5 – 44.5 dB (A)</p>
Water Quality (no. of locations) and results	<p>Ground Water: 3 locations</p> <p>Results:</p> <ul style="list-style-type: none"> • pH: 7.25 to 7.92 • Turbidity: <1.0 NTU • Total Dissolved Solids (TDS): 1338 to 1441 mg/l. • Total Hardness: 482 to 620 mg/l. • Iron: <0.1 mg/l. • Chloride: 390 to 562.59 mg/l. • Calcium Hardness: 101 to 252 mg/l. • Magnesium Hardness: 324 to 390 mg/l. • Sulphate: 149 to 159 mg/l • Nitrate: 18.0 to 24.86 mg/l • Fluoride: 0.3 to 0.93 mg/l.

	<p>Surface water:3 Locations</p> <p>Results:</p> <ul style="list-style-type: none"> • pH: 7.13 to 7.69 • EC: 6160 to 53200 μS/cm • Total alkalinity: 100 to 151 mg/l • Total hardness: 1325 to 6475 mg/l • Dissolved Oxygen: 7.0 to 8.6 mg/l • TDS: 4018 to 37856 mg/l • Mg Hardness: 629 to 5326 mg/l • Ca Hardness: 692 to 1153 mg/l
<p>Soil Quality (no. of locations) and results</p>	<p>4 Soil Quality locations</p> <p>Results:</p> <ul style="list-style-type: none"> • pH 7.50 to 8.34 • EC: 1744-1766 μs/cm • Bulk density 1.38-1.41 gm/cc • Moisture content: 1.15 to 1.18% • Organic matter: 1.21 - 1.34%
<p>Hydro geological study and results</p>	<p>--</p>
<p>Traffic study (no. of locations) and results</p>	<p>Traffic data was collected from the following points.</p> <ol style="list-style-type: none"> 1. Dwarka to Limbdi- NH-947/SH-6 (1348-Vehicle Count) 2. Limbdi to Dwarka- NH-947/SH-6 (1332-Vehicle Count) <p>Vehicle Count in PCU = (2176 + 2161): 4337</p> <ol style="list-style-type: none"> 1. Dwarka to Limbdi- NH-947/SH-6 (2176-PCU) 2. Limbdi to Dwarka - NH-947/SH-6 (2161-PCU) <p>Total accommodative capacity of the road (8 Meters) IRC: 64 – 1990 is 15,000 PCU.</p>

	<p>Carrying capacity = Volume /Capacity = 4337/15,000 = 0.28 (LOS – B – Very Good)</p> <p>Modified V/C Ratio = Existing PCU + Additional PCU load /15,000</p> <p>Modified V/C = (4337+306) = 4643/15,000 = 0.31</p> <p>Inference: New V/C ratio is 0.31(LOS –B – Very Good)</p> <p>Even if the entire load of 306 PCU (worst case scenario) is added upon, the level of service will have minimal impact and correspond to LOS - B–Very Good</p>
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xii. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	An advertisement for public hearing was published in English in “ The Times of India ” dated 09/08/2025 and in Gujarati in “ Jay Hind ” dated 09/08/2025
Date of PH	16 th September, 2025 at 12:00 Hrs
Venue	At Survey No. New 259, Village. Mevasa, Ta. Kalyanpur, District: Devbhumi Dwarka
Chaired by	Shri M. B. Desai (GAS) Deputy Collector-Devbhumi Dwarka representative of the District Magistrate and District Collector, Devbhumi Dwarka supervised and presided over the entire Public Hearing process.
Main issues raised during PH	Employment, Skill development and Village infrastructure
Budget proposed for addressing issues raised during PH over 3 years	Rs 38.50 Lakhs

xiii. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	GPCB/JAM/EC TO CTE-Fresh/ID-117501/ Order no. CTE-86987 dated 04.09.2025
Consent to Operate	--
Certified Compliance Report and Inspection date	N/A
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	N/A

xiv. Rehabilitation & Resettlement (R&R):

R & R details	Not applicable
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xv. Court case details: No court case w.r.t project

Court Case, No and its present status	Not applicable
Undertaking by Project Proponent w.r.t court case	Affidavit dated 15.01.2026 has been submitted by PP in the EIA/EMP Report

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	Affidavit dated 15.01.2026 has been submitted by PP in the EIA/EMP Report
Undertaking by Project Proponent in EIA/EMP report	Undertaking dated 15.01.2026 has been submitted by PP.
Undertaking by Consultant in EIA/EMP report	Undertaking dated 13.01.2026 has been submitted by Consultant.
Plagiarism Certificate	Plagiarism Certificate dated 16.01.2026 has been submitted by PP.

xvii. EDS/ADS details (If any):

S.No	EDS/ADS Point	Reply by Project Proponent
Essential Details Sought (EDS) dated 06.11.2025		
1	PP needs to submit a valid Letter of Intent (LOI)	A valid Letter of Intent (LOI) has been submitted in EIA/EMP Report.

2	As per the GSDMA map, Gujarat falls under Seismic Zone-IV (high-risk zone for earthquakes). Therefore, the Project Proponent (PP) should submit an updated Disaster Management Plan, including specific measures for earthquake management	An updated Disaster Management Plan, including Specific measures for earthquake management has been submitted in EIA/EMP Report.
3	PP should provide a legible copy as well as a translated version of the DILR map	A legible copy as well as a translated version of the DILR map has been submitted.
4	PP needs to submit a tangible & monitorable Action Plan for the Public Hearing commitments.	A tangible & monitorable Action Plan for the Public Hearing commitments submitted in EIA/EMP Report.
5.	PP needs to submit an authenticated list of flora and fauna as per Wildlife (Protection) Amendment Act, 2022.	An authenticated list of flora and fauna as per Wildlife (Protection) Amendment Act, 2022 obtained from the office of PCCF, Wildlife, Gujarat State vide letter no. WLP/TE-1/C/561/2025-26 dated 19.12.2025. The copy of authenticated list has been submitted in EIA/EMP Report.
6.	As per the specific condition vii. mentioned in ToR letter dated 18.02.2025, PP was required to conduct scientific study by reputed institute by considering the geological condition, sequence of mining, plan for backfilling, pit stability, slope stability, handling and management of overburden, from the view point of environment and safety and to submit a report of same. However, PP has not provided the same. Accordingly, PP is requested to provide the same for compliance of ToR specific Condition (vii).	In compliance of ToR specific condition (vii) scientific study was conducted by Department of Geology, Mafatlal Gagalbhai Science Institute (M.G Science Institute), Ahmedabad, Gujarat and the report was issued by the institute on 23.12.2025, The report is submitted in EIA/EMP Report.
Essential Details Sought (EDS) dated 06.01.2026		
1.	PP has not submitted the complete reply of the EDS point no. 4- PP needs to submit a tangible & monitorable Action Plan for	A tangible & monitorable Action Plan for the Public Hearing commitments has been resubmitted in EIA/EMP Report.

	the Public Hearing commitments	
2.	PP to provide undertaking for contents of EIA/EMP	Undertaking by PP for contents of EIA/EMP has been submitted in EIA/EMP Report.
3.	Consultant engaged by PP to provide the undertaking for the content of EIA/EMP	Consultant engaged by PP Undertaking for the content of EIA/EMP has been submitted in EIA/EMP Report.
4.	PP needs to submit the software generated plagiarism certificate for the EIA/EMP report	The software generated plagiarism certificate for the EIA/EMP report has been submitted in EIA/EMP Report.
5.	An undertaking w.r.t court cases, if any	An undertaking w.r.t court case, if any has been submitted in EIA/EMP Report.
6.	PP to submit affidavit as per Ministry's OM dated 30.05.2018	Affidavit as per Ministry's OM dated 30.05.2018 has been submitted in EIA/EMP Report.

xviii. Details of the Environmental Management Plan (EMP):

Activities	Capital cost (Lakhs)	Recurring cost (Lakhs/annum)
Overburden and removal and its management	1.00	0.50
Air pollution/ dust mitigation/water sprinkling measures	2.00	1.00
Disposal of semi solid cutting and seizing waste	--	--
Removal of debris which is not required for back filling	--	--
Blasting related safeguard expenses	--	--
Noise pollution control measures	1.00	0.50
Approach roads to mining and treatment site	--	--
Control of fugitive emission during loading and unloading, transportation	1.00	0.50
Post closure restoration and reclamation (back filling, levelling caution boards) including regressing and plantation etc./utilizing the void for rainwater storage and harvest reservoir	3.00	1.00
Fencing to prevent loss of wildlife and human movement	1.00	0.50
Environment monitoring	--	1.00
Safety and health of workers/public	1.00	0.50

Measures for Disaster Management at site	8.80	--
CER activities	8.00	3.00
Total	26.80	9.0

xix. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	Capital Cost of EMP: 0.268 + Rs 0.385 Crores for addressing PH concerns
Project Cost	3.0
Employment (No's)	13

3. Observation and Recommendation

The proposal is for Environmental Clearance of Mevasa Bauxite (Aluminous Laterite) mine with production capacity of 1,49,248TPA in the mine lease area of 8.7305 ha by M/s Patel Kaushik Kumar located at Village Mevasa, Taluka Kalyanpur, District Devbhumi Dwarka, Gujarat.

The proposed project activity is listed under Schedule 1(a)(i) – Mining of Minerals of the EIA Notification, 2006 and falls under Category 'B', and owing to the applicability of general condition due to the location of the project within 5 km distance from the Marine National Park & Sanctuary, the project is appraised at the Central level.

The Project Proponent (PP) and the Consultant presented the salient features of the project along with KML file. The project area is 8.7305 Ha of private land and falls in Seismic Zone IV as per GSDMA classification.

PP reported that ML area is located at survey no 259 in Mevasa Village, Kalyanpur Taluk, District Devbhumi Dwarka, Gujarat. The nearest village is Virpur located at a distance of 1.324 km in the north eastern direction from the ML area. Nearest town is Khambaliya located at a distance of 35 Km in south eastern direction. The nearest highway is NH -947 located at a distance of 9.512 km in southern direction from the ML area and Rani Nadi is located at a distance of 1.132 in SW direction from the ML area.

PP stated that the project is located at a distance of 1.25 km from the Marine Sanctuary and 5.80 km from the Marine National Park. The Eco-Sensitive Zone of Marine National Park & Sanctuary is located at a distance of 17 m as per the NOC

issued by Forest & Environment Department, Government of Gujarat dated 08.01.2024. It was also submitted that the mine lease does not fall under CRZ area and the distance from lease boundary to HTL is 959.65 m as certified by approved CRZ map issued by Institute of Remote Sensing, Anna University, Chennai dated 10.10.2025

PP submitted that as per letter dated 05.06.2025 issued by DCF, Jamnagar Forest Division, the mine lease area does not involve any forest land.

PP informed that Letter of Intent (Lol) was issued vide Order dated 30.06.2021 in favour of the Project Proponent for Bauxite (Aluminous Laterite) – Major Mineral over an area of 8.7305 Ha by the Industries & Mines Department, Gandhinagar, Government of Gujarat, with validity of three years from the date of issuance. PP further informed that the validity of the said Lol has been extended vide Order dated 07.12.2024 for the same mineral and lease area, which is valid for a further period of three years from the date of issuance.

The Mining Plan including Progressive Mine Closure Plan has been approved by IBM, Gandhinagar vide letter dated 12.04.2022. The method of mining is proposed as open-cast semi-mechanized without drilling and blasting. The total geological reserve is 9,94,498 tonnes with mineable reserve of 6,95,530 tonnes. As per PP, the life of mine is about 5 years based on the ore reserves and proposed EC capacity with ultimate pit depth of 22.44 m. Groundwater table is at 28 m and no groundwater intersection is anticipated.

PP further reported that during the plan period, waste in the form of associated clay occurring with the bauxite horizon, which is below threshold grade and presently has no sale value, will be generated and proposed to be stacked separately within the ML area. EAC advised that the reject shall be stacked in a scientifically designed and stabilized manner within the lease area, ensuring proper garland drains, toe walls, and sedimentation pits to prevent erosion and siltation of nearby areas. Also periodic monitoring of dump stability shall be carried out. Dump Man

With regard to transportation, PP mentioned that mined out mineral shall be transported in 15-tonne capacity trucks via haul road of 3.473 km to nearest metalled road and further 10.275 km to NH-947 without passing through habitation. Traffic study indicates existing PCU of 4337 against road capacity of 15,000 PCU (LOS–B, Very Good), and projected V/C ratio remains within acceptable limits. EAC noted the submission of PP and advised that PP should ensure structural adequacy of the haul road and connecting roads through certification from the competent authority and implement a comprehensive Traffic Management Plan including regular water

sprinkling, covering of trucks with tarpaulin, installation of proper signage and speed control measures, and strict adherence to designated routes avoiding habitation areas.

Regarding water requirement, PP submitted that total requirement for water for the proposed project shall be 9 KLD (1 KLD fresh water and 8 KLD treated water) sourced through private tankers only. EAC noted the submission of PP advised to make an arrangement in Mine lease area such as artificial pond/reservoir etc so that water requirement of the project area is taken care of.

With regard to greenbelt development in the ML area, PP submitted that Greenbelt development is proposed over 2.88 Ha with 7200 saplings and a budgetary provision of ₹7.0 lakhs EAC noted the submission of PP and advised to prioritize native plant species and ensure a minimum survival rate of 95% for the plantation within mine lease.

Regarding Public Hearing, Project Proponent (PP) informed that Public Hearing was conducted on 16.09.2025 at Village Mevasa under chairmanship of Deputy Collector, Devbhumi Dwarka. Major issues raised were related to employment, skill development, and village infrastructure. In response, the PP has submitted a time-bound Public Hearing action plan and proposed an allocation of ₹38.50 lakh for implementation of measures to address the concerns raised by the locals. EAC noted the submission of PP, and advised to diligently implement PH action plan within 3 years. An action taken report in this regard needs to be submitted to Ministry's regional Office in half yearly compliance report.

Regarding authenticated list of flora and fauna, PP mentioned that twenty-eight Schedule-I species have been recorded in the study area as per authenticated list obtained from PCCF (Wildlife), Gujarat vide letter dated 19.12.2025. The Wildlife Conservation Plan has been approved by PCCF, Gujarat vide letter dated 08.10.2025 with financial provision of ₹55 lakhs for habitat restoration, biodiversity monitoring, awareness programmes, and strengthening of forest protection measures. EAC noted the submission of PP and asked to follow up with State Forest Department for implementation of the Wildlife Conservation Plan. An implementation report shall be submitted to Ministry's Regional Office on half yearly basis.

PP reported that Baseline data was collected during the March–May 2025 (Summer season). Ambient air quality parameters were within prescribed limits. Noise levels were within CPCB standards. Groundwater showed TDS in the range of 1338–1441 mg/l, and surface water Electric Conductance values indicate saline characteristics consistent with coastal environment.

Further, with regard Disaster Management Plan, PP submitted that they have prepared a disaster management plan for cyclones/tsunami and earthquake. PP also mentioned that they have allocated a budget of Rs 8.80 lakhs towards Disaster Management. Furthermore, PP informed that they submitted Disaster Management Plan of Mevasa Bauxite Mining Project vide letter dated 28.02.2026 to the District Collector- Devbhumi Dwaraka. The District Collector- Devbhumi Dwaraka acknowledged the submission made by the Project Proponent.

EAC reviewed the submission of PP and advised PP to engage seismology experts from institute of national repute to conduct a study of geo-tectonic zones since ML area is lying in Seismic Zone VI. Based on the study report PP should consult DGMS and District Disaster Management Authority for ensuring safety of mine workers and infrastructure/other installations. PP should also follow and strictly implement the recommendations of Seismology experts, DGMS and District Disaster Management Authority

Based on aforesaid discussions and presentation made by the Project Proponent and the Consultant, the Expert Appraisal Committee (EAC), in), in its 1th EAC meeting held on 26-27th February, 2026, under the provisions of the EIA Notification, 2006 and its subsequent amendments, **recommended** the proposal for Environment Clearance of Mevasa Bauxite (Aluminous Laterite) Mining Project, Survey no. 259, production capacity of 1,49,248 TPA in the mining lease area of 8.73.05 Ha located at Village Mevasa, Tehsil Kalyanpur and District Devbhumi Dwarka in Gujarat by M/s Patel Kaushik kumar subject to following specific conditions in addition to the standard EC conditions applicable to non-coal mining projects:-

- i. PP needs to ensure that the reject/Waste shall be stacked in a scientifically designed and stabilized manner within the lease area, ensuring proper catch drains, toe walls and sedimentation pits to prevent erosion and siltation of nearby areas. Periodic monitoring of dump stability shall be carried out. Dump management & monitoring should be done in consultation with DGMS.
- ii. PP needs to ensure structural adequacy of the haul road and connecting roads through certification from the competent authority and implement a comprehensive Traffic Management Plan including regular water sprinkling, covering of trucks with tarpaulin, installation of proper signage and speed control measures, and strict adherence to designated routes avoiding habitation areas.
- iii. PP needs to engage seismology experts from institute of national repute to conduct a study of geo-tectonic zones since ML area is lying in Seismic Zone VI. Based on the study report PP should consult DGMS and District Disaster Management Authority for ensuring safety of mine workers and infrastructure/other installations. PP should also follow and strictly

- implement the recommendations of Seismology experts, DGMS and District Disaster Management Authority.
- iv. PP shall consult with DGMS for Pit Slope Safety, OB dump safety and engage a seismology expert from institute of national repute to conduct a study of geo-tectonic zones, if required by DGMS.
 - v. CTO shall be granted in respect of only those land parcels/Khasra Numbers in the Revenue record which have been either acquired by Project Proponent or consent has been obtained from the landowners or from the concerned State Government, or their authorized agency, as the case maybe.
 - vi. PP shall not discharge any untreated surface/mine pit water outside the ML area.
 - vii. No ore transportation through village road having habitation along side the road shall be allowed.
 - viii. The Project Proponent needs to implement all possible mitigation measures to prevent ore spillage while transporting the mineral by road. Tarpaulin covered trucks should be used to prevent spillage and emission of dust. Tarpaulin covering should be effective with no scope for any ore mineral spillage left. Geotagged photos of Tarpaulin covering during road transportation should be taken and submitted to Regional office of MoEFCC with six monthly compliance report. Proper training of drivers, operators, and supervisors should be imparted regarding adverse effects of ore spillage on air, water, soil quality, safety and wildlife. Copy of the record of the above training should be submitted to Regional office of MoEFCC with six monthly compliance report.
 - ix. PP needs to undertake water sprinkling along the transportation road, wherever necessary. Wind Screens and avenue plantation needs to be undertaken wherever necessary.
 - x. Mechanized road sweeping machines may also be deployed if there are ore/mineral spillage on roads even after prevention measures.
 - xi. The Project Proponent shall continue to monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village, at crusher and at other sensitive receptors and such collected data shall be submitted to the Ministry's Regional Office.

- xii. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at areas prone to air pollution.
- xiii. The Project Proponent needs to use modern equipment's such as Camera Traps for ensuring presence and movement of wild animals in the study area in consultation with Wildlife Wing of Forest Department. Appropriate interventions shall be taken to minimize stress conditions for wild animals and to avoid Man-Animal conflict. Project Proponent should follow up with State Forest Department regarding implementation of Wildlife Conservation Plan. An implementation report in this regard needs to be submitted to Ministry's Regional office in half yearly compliance report.
- xiv. The Project Proponent needs to install the permanent fixed water sprinklers in addition to mobile water tankers along the haul road and the approach road. Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.
- xv. The mobile water tankers should be used in the ML area for dust suppression and control. A logbook of water tankers should be maintained mentioning running hours, kilometer reading, and maintenance hours of water tankers for each shift. PP shall use non-toxic chemicals for dust suppression in order to reduce the total water requirement.
- xvi. The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.
- xvii. The Project Proponent should adopt the proper mitigation measures as proposed under EIA EMP report. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Regional Office.
- xviii. The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to RO, MoEFCC.
- xix. The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 90% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Regional Office.

Density of plantation should be 2500 plants/ha. PP shall make provision for drip irrigation to conserve the water. PP should plant fruit bearing trees along with other native and allied species within the ML area. PP shall also ensure a minimum of 20% plantation through Miyawaki technique.

- xx. To address the concerns raised by the public in the public hearing, PP should complete its public hearing commitments within 3 years. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.
- xxi. The Project Proponent shall provide the rainwater harvesting structure at mine offices and quarters/colonies to recharge the ground water.
- xxii. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- xxiii. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxiv. The Project Proponent needs to reduce the dependency upon water tankers water, surface water (water from rivers, etc.) and it shall construct water reservoirs within the lease area for meeting its day-to-day water needs. An implementation report in this regard needs to be submitted to Ministry's Regional Office
- xxv. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.
- xxvi. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- xxvii. PP needs to comply the OM dated 24.07.2024 of MoEFCC, wherein it is stated that the plantation of saplings shall be carried out in the earmarked 33% greenbelt area as part of the tree plantation campaign "EK Ped Ma

keNaam” (एकपेड़माँके नाम) and the details of the same shall be uploaded in the Meri Life portal(<https://merilife.nic.in>).

- xxviii. PP should utilise the Oil & Grease Trap for washing of trucks, HEMM operational in their mine project. Disposal of the used oil & drums should be through authorized recyclers and as per rules. Copy of logbook of Oil withdrawn from Oil & Grease Trap should be submitted to the Regional Office of the Ministry.
- xxix. PP shall ensure that all type of plastic waste generated from the mines shall be stored separately in isolated area and disposed of strictly adhering to the Plastic Waste Management Rules 2016 and its amendments. In pursuant to Ministry’s OM dated 18/07/2022 PP shall also create awareness among the people working in the project area as well as in its surrounding area on the ban on Single Use Plastic (SUP) in order to ensure compliance of Ministry’s Notification published by the Ministry on 12/08/2021. A report along with photograph on the measures taken shall be submitted to Ministry’s Regional Office.

List of EAC members participated during 1st Expert Appraisal Committee

Meeting

S. No.	Name & Address of EAC Member	Designation	Day 1 [26.02.2026]	Day 2 [27.02.2026]
1.	Shri Mahendra Singh Dhakad, E-2/115, Arera Colony, Bhopal-462016, Madhya Pradesh Email: msdhakad@hotmail.com	Chairman	Present	Present
2.	Dr Rajesh Sharadchandra Jaipurkar, Principal, Arts, Science and Commerce college, Chikhaldara, District- Amravati, Maharashtra Giristhan Colony, Chikhaldara, District- Amravati-444807, Maharashtra Email: jaipurkarrajesh@gmail.com	Member	Present	Present
3.	Dr Pabitra Kumar Paul, Professor in Physics at Jadavpur University, 3 rd Floor, Flat No. F47/2D, Selimpur Road, PO: Dhakuria, Kolkata-700031, West Bengal. Email: pabitra__tu@yahoo.co.in	Member	Present	Present
4.	Dr. C. Vishnuvardhan Reddy, H.No.1-7-51/C, JSN Colony, Street No.8, Habsiguda, Hyderabad-500007, Telangana. Email: yreddycholleti@gmail.com	Member	Absent	Absent
5.	Shri Mukund P Chaudhari, Flat no. 201, Gangadhar Apartment, Plot No.5, Dahakey Layout, Near Shankar Nagar Square Titan Showroom, Khare Town, Dharampeth, Nagpur-440010 Email: mpchaudhari@rediffmail.com , mpchaudhari1962@gmail.com	Member	Present	Present
6.	Ms Mamta Sanjeev Dubey, C-1703, Bestech Grand Spa, Sector 81, Gurgaon 122004, Haryana. Email: dubey_ms@yahoo.co.in	Member	Present	Present
7.	Dr H Basantakumar Sharma, C-1703, Bestech Grand Spa, Sector 81, Gurgaon 122004, Haryana. Email: dubey_ms@yahoo.co.in	Member	Present	Present
8.	Dr B Veera Reddy,	Member	Present	Present

S. No.	Name & Address of EAC Member	Designation	Day 1 [26.02.2026]	Day 2 [27.02.2026]
	Villa no. 96, La paloma, Mokila, Hyderabad, Telangana- 501203 Email: veerascccl@gmail.com			
9.	Dr Ila Tiwari, A-11, Radhe Kamal Niwas, Bajiaro Shreepati Road, Balewadi, Pune-411045, Maharashtra. Email: ilatiwari@gmail.com	Member	Present	Present
10.	Dr Santosh Kumar, Professor of Physics, College of Commerce, Arts & Science, Patliputra University, Patna. Devtanchal, New East Jaganpura, Near Main Gate of Patna Central School (Transformer Gali), New Bypass Road, Patna-800027, Bihar. Email: santoshkumar.coc@gmail.com	Member	Present	Present
11.	Shri Sanjay Bist, Scientist-F, EMRC (Ozone Cell), India Meteorological Department, Mausam Bhawan, Lodhi Road, New Delhi-110003 Email: sanjay.bist@imd.gov.in	Representative of Indian Meteorological Department (IMD)	Present	Present
12.	Shri Babulal Gurjar, Controller of Mines, Indian Bureau of Mines, Nagpur. E-mail: blgurjar@ibm.gov.in	Representative of Indian Bureau of Mines (IBM)	Present (VC)	Present (VC)
13.	Representative of Directorate General of Mines Safety (DGMS)	Member	Present	Present (VC)
14.	Dr. Siddharth Prizomwala, Institute of Seismological Research (ISR), Department of Science & Technology, Knowledge Corridor, Raisan, Gandhinagar-382009. E-mail: prizomwala@isr.res.in	Representative of Institute of Seismological Research (ISR)	Present (VC)	Present (VC)
15.	Shri Rajeev Ranjan, V-201, Vayu, Second floor, Indira Paryavaran Bhawan, MoEF&CC, Jorbagh, New Delhi-110003 E-mail: ranjan.rajeev@nic.in	Member Secretary	Present	Present

Special Invitee (for violation proposal)

S.No	Name & Address of EAC Member	Designation	Day 1 [26.02.2026]	Day 2 [27.02.2026]
1	Dr. S. R. Wate 148/149, Nagar vikash society, Narendra Nagar, Nagpur, Maharashtra- 440015 E-mail:srwate@gmail.com	Chairman, IA Policy. Ex-Director CSIR-NEERI	Absent	Present (VC)