

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

SUMMARY RECORD OF 41st MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 41st meeting of the Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 15th – 16th November and 18th November, 2021 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0) Deliberation & Circulation on the Minutes of the 40th EAC meeting held during 26th – 27th October, 2021.

The minutes of 40th EAC meeting held during 26th – 27th October, 2021 were placed before the members of the Committee.

Day 1: 15th November, 2021 (Monday)

1.1 Proposal for Environmental Clearance of Parewar B Limestone Mine with total excavation of 14,00,000 TPA, Total Limestone production - 10,00,000 TPA (SMS grade -1,00,000 TPA, Cement grade- 9,00,000 TPA), Inter-burden (IB) - 23,860 TPA, Top Alluvium(OB)-42,804 TPA, Sub Grade/Mineral Reject 3,33,335 TPA along with 750 TPH Crusher with Vibrating Screen in the Mining lease area of 515.20ha located at Village Parewar, Tehsil & District Jaisalmer, Rajasthan by Wonder Cement Ltd. – [File No: IA-J-11015/25/2021-IA-II(M), Proposal No: IA/RJ/MIN/205768/2021, Consultant: Udaipur Min Tech Pvt. Ltd] – Environmental Clearance (EC)

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Project	Parewar "B" Limestone Mine (ML Area – 515.20 Ha) for proposed total excavation of 1400000 TPA, total limestone production of 10,00,000 TPA (SMS grade -1,00,000 TPA, Cement grade- 9,00,000 TPA), Inter burden (IB) of 23,860 TPA, Top Alluvium(OB) of 42,804TPA and subgrade/mineral reject of 3,33,335 TPA along with 750 TPH Crusher with Vibrating Screen.
---------------------	--

Location	Village	Parewar
	Tehsil/Taluka	Jaisalmer
	District	Jaisalmer
	State / UT	Rajasthan
	Latitudes	27°17'31.76919"N to 27°20'9.53770"N
	Longitudes	70°44'4.48756"E to 70°44'49.75482"E
	SoITopo sheet No.	40 I/11
Company Name	M/s Wonder Cement Limited	
Accredited Consultant Organisation and its certificate no.	Udaipur Min- Tech Pvt. Ltd. NABET/EIA/1720/SA 092	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	515.20 Ha

4. ToR Details:

ToR Proposal No.	IA/RJ/MIN/205768/2021
Online application date for Form-I	24 th March 2021
EAC meeting for ToR	28 th June 2021
ToR Letter No.	IA-J-11015/25/2021-IA-II (M)
ToR grant Date	26 th July, 2021
Production capacity (TPA)	Limestone: 10,00,000/- TPA (SMS grade -1.0 Lac, Cement grade- 9.0 Lac)
Soil	Top Alluvium- 42804 TPA
Waste	Inter-burden (I/B)- 23,860 TPA
Others	Sub Grade/Mineral Reject-3,33,335 TPA
Total Excavation	14,00,000/- TPA (ROM)
Crusher	750 TPH Crusher with Vibrating Screen to be setup within the mining lease area
EIA/EMP uploaded on	23 rd October 2021

5. Lease Details:

Letter of Intent	The LOI for the instant mine site was granted to M/s Wonder Cement Limited in accordance with mines & Minerals (Development and Regulation) Act, 1957 and its subsequent amendment and the Mineral (Auction) Rules, 2015 through e-auction conducted by Directorate of Mines & Geology (DMG), Government
------------------	--

	of Rajasthan	
	Letter No.	P.3(4)Khan/Gr.-2/2020
	Date	25 th January 2021

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584 (4) (3) (1867)/ 2021- KHANI-AJM
	Date	27 th May 2021
	Validity	26 th May 2026
Mining Parameters		Quantitative Description
Method of Mining	Fully Mechanized Open Cast method	
Mineable reserves (Source: Approved Mining Plan)	Total Mineable Reserves: 147.3853 Million Tones Cement grade: 139.8435 Million Tones SMS grade: 7.5418 Million Tones	
Bench Height	3.5-6.0 m	
Bench Width	10-20 m	
Individual bench slope	85°	
Overall pit slope	45°	
Drilling/Blasting	180 m per day & 26 holes per day blast	
RoM output size	SMS Grade: 30 to 80 mm Cement Grade: 10 to 80 mm	
Life of mine	50 years	
Transportation details	Transportation from mine pit to crusher will be done by dumpers via haul road within mine lease area and crusher to railway yard is transported by tippers through district tar road and SH-68. The limestone from mines to railway yard will be transported by 25 T Tippers capacity. Material will be transported for 330 days per annum.	
Dumper's capacity	25 Tonnes	

7. Land Area Breakup:

Private land	32.00 ha.
Government land	483.20 ha.
Mining lease area	515.20 ha.

8. Nearest village / town/ highway/railway station / water bodies:

Particulars	Villages	Distance & Directions
Nearest Town	Parewar	4 Km
Nearest Airport	Jaisalmer Airport	68 km
Nearest Highway	SH 68	12 Km West
	NH-15	58 Km South
Nearest Railway Station	Jaisalmer	52 km

9. Water requirement

Total water requirement	150.00 KLD	Fresh water	126 KLD
-------------------------	------------	-------------	---------

		Treated water	24 KLD
Purpose	Drinking & Sanitations	20.0 KLD	
	Dust Suppression during mining, Crusher Operation and Machinery Washing	100.0 KLD	
	Plantation	30.0 KLD	
Source	The sources of water i.e. Indira Gandhi Nehar project / Ramgarh Canal		
Permission	Applied for Permission from Indra Gandhi Canal Circle, Jaipur (Rajasthan)		

10. Presence of Environmentally Sensitive areas in the study area

Forest Area/Environmental Sensitivity Zone	Land/Protected	Yes/No	Details of Certificate/letter/Remarks
Forest Land		No	-
National Park		No	
Wildlife Sanctuary		No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	No schedule I species found within the study area. Authenticated list of Flora and Fauna is submitted from District Forest Officer.

11. Green belt/plantation details:

Proposed area for green belt/plantation	170 ha. (At the end of life of mine) 170 ha = (97.0 ha Mined out benches, 15.0 ha Alluvium Dump, 8.0 ha IB dump (Face Reject) & 50 ha barren land
Budget for green plant & plantation till the end of life of mine.	Capital cost: 25 lacs Recurring cost: 16 lacs
Budget for nursery	5 lacs
7.5 m barrier & non-mineralized zone	5.00 Ha

12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)		
Period of baseline data collection	March to April 2021 and June 2021	
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer	
Air quality monitoring	PM ₁₀	53.3 - 76.0 µg/m ³
	PM _{2.5}	19.0 - 32.70 µg/m ³
	SO _x	3.30 - 18.0 µg/m ³
	NO _x	5.10- 17.8 µg/m ³
Surface water quality monitoring	pH	7.4 – 7.9
	DO	5.7 - 6.3 mg/l
	BOD	2.82– 3.82 mg/l
	COD	11.22 - 15.25 mg/l
Noise monitoring	Day time	50.4 - 69.2 dB(A)

	Night time	40.1 - 57.3 dB(A)
Soil quality monitoring	pH	7.07 - 7.47
	Nitrogen	10.71 - 21.42 kg/ha
	Phosphorus	5.11 - 14.40 kg/ha
	Potassium	40 - 110 kg/ha
Sandstorm speed	Summer	20-60 km/hr.
	Winter	6-20 km/hr.

13. Public Hearing Details:

Advertisement for PH with date	13 th August 2021
Date of PH	15 th September 2021
Venue	Rajiv Gandhi Atal Seva Kendra village-Parewar, Tehsil & District-Jaisalmer (Rajasthan)
Chaired by	Shri. Hari Singh Meena, Additional District Collector, Jaisalmer
Main issues raised during PH	Employment in industry, Social & Economic development work in nearby area in the field of Education, Health etc., Pollution etc.
Budget proposed for addressing issues raised during PH	88 Lacs

14. Court case details:

Court Case	No court case is pending
------------	--------------------------

15. Affidavit/Undertaking details:

Affidavit	Affidavit dated 08.11.2021 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 is submitted to MoEF&CC.
-----------	--

16. Details of the EMP:

EMP budget for Parewar B Limestone Mine, Jaisalmer		
Rupees in Lakh		
Particulars	Capital	Recurring
Installation of Bag Filter in crusher, transfer points and close conveyor belt	40	5.0
Water sprinkler in crusher, transfer points and belt conveyors	5.0	1.0
Truck mounted water sprinkler	30	1.0
Plantation for Greenbelt	5.0	15.0
Drip irrigation system for greenbelt.	20.0	1.0
Rainwater harvesting	10.0	1.0
Environment monitoring lab along with monitoring equipment's	40	5.0
Environmental Monitoring	-	7.0

Miscellaneous	10	2.0
Total	160	38

17. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	1.60
Budget for addressing the Public Hearing issues	0.88
Total Cost for EMP	EMP: 1.6 Crore + ESR: 0.88 Crore Total: 2.48 Crore
Recurring Cost for EMP	0.38
Project Cost	35.27
Employment	130 persons

19. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41stEAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the presentation of the proposal was not properly presented and had plenty of slides with less specific information. It was also observed that baseline data results were not accurate. Also, EMP budget needs to be revised. Therefore, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to properly demonstrate the EMP for Kachcha road, plantation to control particulate generation, vehicle tyre washing etc.
- 2) The project proponent needs to collect and submit the water quality data at least for one week as issues related to turbidity and BOD has not been generated properly and addressed. Also submit the correlation to the impact on water properly.
- 3) The project proponent needs to submit the air quality data along with the snapshot for over a period of 1 week at the railway siding, in the mining area and near the villages.
- 4) The project proponent needs to revise the EMP cost by removing the cost of monitoring and the laboratory and adding the plantation cost at the mine. The plantation cost should be worked out for entire 170 Ha of area [97.0 ha for mined out pit / benches including 28 ha temporary backfilled, 15 Ha on Alluvium Dump area, 8.0 Ha on IB dump (Face Reject) area, & 50.0 ha (7.5 mtr statutory barrier zone & barren land) and deepest mined out area for Rainwater storage of 78.957 Ha and Balance mined out area (243.726 ha) for levelling and regressing] as shown in table submitted including the peripheral

plantation in 5 years. The cost of plantation is to be submitted year-wise and phase-wise in the EMP budget.

- 5) The project proponent needs to include the plantation along the existing road connecting mine lease to SH-68 (Jaisalmer-Tanot mata road) towards Sanu Railway Siding which is 12 Km stretch and 1.2 Km long kachcha road in EMP. The regular monitoring cost of air quality, soil quality, water quality and noise level needs to be included in the monitoring budget for post environmental monitoring budget. This should be added to the railway siding regular monitoring. Separate environmental monitoring cost needs to be envisaged with capital and recurring cost.
- 6) The project proponent needs to submit the traffic density on the road and safety concerns including the safety precautions. Traffic density needs to be worked out including the traffic in village and safety precautions within the village and all along the road should be prepared and should be a part of EMP.
- 7) The project proponent needs to submit the undertaking of commitment for converting the 1.2 Km long Kachcha road to tar road to avoid air pollution.
- 8) The project proponent needs to revise the EMP for public hearing by revisiting the specific activity wise budget with capital (for a period of 3 years) and recurring cost (throughout the life of mine).
- 9) Since the mineral is limestone, the particulate matter at the railway siding and silica content needs to be estimated. If there is any village near-by the railway siding (within 5 Km radius), then cumulative impact of total operation of railway siding (RSMML and Wonder Cement) be worked out and presented. EMP, if required, accordingly should also be prepared.
- 10) The project proponent needs to submit the possibility of using silos at the dedicated railway siding to reduce fugitive emissions.
- 11) The project proponent needs to examine the impacts of using the road passing Parewar village and scenario to be submitted.

1.2 Proposal for Terms of Reference (ToR) for Kannur (Wadi area) Limestone Block (auction block) with production capacity of Limestone 12 MTPA & 0.581 MTPA of waste including top soil with two nos. of crushers of 2000 TPH having mining lease area of 550 Ha located at Villages Ingalggi, Basaveshwaranagara, Halkatta, and Kundanoor, Taluka Chittapur, District Kalaburagi in the state of Karnataka by ACC Ltd. – [File. No: IA-J-

11015/76/2021-IA-II(NCM), Proposal No: IA/KA/MIN/236358/2021; Consultant: Perfect Enviro Solutions Pvt. Ltd.] – ToR

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Kannur (Wadi area) Limestone Block (auction block) having lease area of 550 Ha with production capacity of Limestone 12 MTPA & 0.581 MTPA of waste including top soil with two nos. of crushers of 2000 TPH	
Location	Village	Ingalgi, Basaveshwaranagara, Halkatta, and Kundanoor
	Tehsil/Taluka	Chittapur
	District	Kalaburagi
	State / UT	Karnataka
	Latitudes	17°01'32.70 N to 17°02'49.00 N
	Longitudes	76°56'40.00 E to 76°57'59.50 E
	Sol Topo sheet No.	56 C/16
Company's name	M/s. ACC Limited	
Accredited consultant and certificate no.	Perfect Enviro Solutions Pvt. Ltd. (NABET/EIA/1922/RA 0184)	
KML file	Submitted	
Seismic zone	II	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	550 ha

4. ToR Details:

ToR Proposal No.	IA/KA/MIN/236358/2021
Online application date for Form-I	29.10.2021
Documents Submitted	Form 1, PFR, mining lease documents, affidavit, authorization letter.
Production capacity	12.0 MTPA Limestone
Soil	0.058 MTPA Soil
Waste	0.523 MTPA Waste
Total Excavation	12.581 MTPA

Crusher	It is proposed to install two crushers of capacity 2000 TPH each within the mining lease area. The distance between both the crushers is approx. 1 km.
---------	---

5. Lease Details:

Letter of Intent	Letter No.	DMG/MLS/KW/2nd attempt auction/2020-21
	Date	04.01.2021
	Issued by	Government of Karnataka
Validity of mine lease	50 years w.e.f. date of execution	
Application for the Mining lease area	<p>Applied Mining Lease area:- 550 ha.</p> <ul style="list-style-type: none"> This is an Auction block for which Government of Karnataka, Notice Inviting Tender dated 05.10.2020 e-auction conducted on 19.12.2020 ACC Limited was awarded, Letter of Intent vide letter no: DMG/MLS/KW/2nd attempt auction/2020-21 dated: 04.01.2021 	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines)	Letter No.	279/1108/2021/BNG
	Date	05.08.2021
	Validity	2021-22 to 2025-26
Mining Parameters	Quantitative Description	
Bench Height	8 to 10 (working bench)	
Bench Width	20 (working bench)	
Method of Mining	Open cast mining with drilling & blasting	
Geological Reserves	279.99 MillionTonnes	
Mineable Reserves	12 Million TPA	
Individual bench slope	80 to 85 deg	
Overall pit slope	less than 45 deg	
Drilling/Blasting	Fully Mechanized open cast using HEMM and deephole blasting.	
RoM output size	-75 mm	
Life of mine	30 Years (Note: The life of Mine will be changed after detailed exploration)	
Transportation details	In the initial years of mining operation, the ROM will be transported to the existing crusher located in another lease of ACC at about 5 km (byroad). After construction of conveyer belt, the mineral after crushing will be transported through a conveyor belt to the Wadi Cement Works located at about 3.6 Km in NE direction, for manufacturing of cement.	
Dumper's capacity	100 tons	

7. Land Area Breakup:

Private land	533.65 ha
Government land	16.35 ha
Total Mining lease area (MLA)	550 ha

8. Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Distance & Directions
Town	Chittapur	Lease area falls in Chittapur tehsil 14.36 km NE.
Highway	SH- 51	2.36 Km East
Railway station	Wadi Junction Railway Station	2.89 km ENE
Airport	Kalaburagi	28.81 Km North
Water bodies	Bhima River	1.91 Km NW
	Kagina River	1.82 Km NW
	ChikkaHalla	3.49 Km South
	DoddaHalla	3.55 km SE
	RavurHalla	5.11 Km NNE
	Gade Karana Halla	6.65 km West
	NandanaHalla	6.86 NNE

9. Water requirement:

Total water requirement	280 KLD	Sprinkling	250 KLD
		Gardening and plantation	20 KLD
		mining operation	2 KLD
		Drinking & Domestic Water	8 KLD
Source	The requirement of water in the initial stages would be met from the existing mined out pit sumps of the same lessee located at about 1.5 Km from the proposed mining lease. Subsequently, the water will be used from completed pits of the proposed lease. Drinking water will be taken from Kagina river pipeline extended upto mine workshop area.		
Permission	Permission from Karnataka Neeravari Nigam Limited, (KNNL), Govt. of Karnataka, is available and applied for renewal.		

10. Presence of Environmentally Sensitive areas in the study area :

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	NA
National Park	No	
Wildlife Sanctuary	No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	No schedule I species are reported from the buffer area. However, during the baseline study if any schedule I species is found within the area, an appropriate conservation plan will be prepared.

11. Green belt/plantation details:

Proposed area for green belt/plantation	At the end of the conceptual period an area of 10 ha will be covered under the 7.5 m peripheral area. Another 21.08 ha will be afforested on the bunds made along 50 m safety zone of public road & an ephemeral stream. In addition, backfilled area of 60.28 ha will also be afforested.
Budget for green plant & plantation till the end of life of mine.	Rs 3 Crores (Tentative cost)
Budget for nursery	Will be procured from Forest nursery

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	10 ha
50 m safety zone of nallah, roads, electric lines	21.08 ha will be afforested on the bunds

12. Court case details:

Court Case	No
------------	----

13. Rehabilitation & Resettlement:

R & R details	There is no habitation in the mine lease area. However, the land falls under revenue jurisdiction of four nos. of villages. The Land acquisition and R&R activity, if required, will be in line with the Right to Fair compensation and transparency in Land Acquisition, Rehabilitation and Resettlement (Karnataka Amendment) Act, 2019 along with the principal act "Right to Fair compensation and transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013".
---------------	--

14. Affidavit/Undertaking details:

Affidavit	Affidavit 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 is submitted to MoEF&CC.
-----------	---

15. Details of project cost and employment:

Particulars	Details
-------------	---------

Project Cost	Rs 471 Crores
Employment	97 persons

16. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference for Kannur (Wadi area) Limestone Block (auction block) with production capacity of Limestone 12 MTPA & 0.581 MTPA of waste including top soil with two nos. of crushers of 2000 TPH having mining lease area of 550 Ha located at Villages Ingalgi, Basaveshwaranagara, Halkatta, and Kundanoor, Taluka Chittapur, District Kalaburagi, Karnataka by M/s ACC Limited subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:

- 1) The project proponent should install the continuous ambient air quality monitoring stations in such numbers as per the scientific study and in consultation with CPCB.
- 2) No road transportation will be allowed from one mine to another mine. Conveyer belt and crusher should be simultaneously commissioned along with the mine operation.
- 3) Since there are many mines and the cement plant in the vicinity of the mine lease area, cumulative impact study needs to be studied and incorporated in the EIA/EMP report.
- 4) The project proponent shall address the public hearing concerns into the EMP which shall be incorporated in the EIA/EMP report.
- 5) Peripheral plantation must be completed within three years with 10 ft tall seedlings.
- 6) The project proponent shall incorporate the impact of mining operations on Bhima River as well nalla passing in the EIA/EMP report and mitigation measure shall be suggested.
- 7) The village road passing through the mine should be protected by creating buffer zone of plantation and at no time the traffic on the village road be subjected to no risk through proper management plans as the conveyer belt will pass over the village road. Traffic in the village should not be affected and at the same time needs to be protected.

- 8) The project proponent shall incorporate a detailed study on total mineral available and plan for plantation at the backfilled areas be properly delineated in the EIA/EMP report.
- 9) The project proponent shall incorporate the EMP budget for PH concerns by properly distributing in a table indicating specific tasks, specific project with capital and recurring budget in the EIA/EMP report. The capital expenditure must be spent in 3 years and recurring expenditure must be spent over a conceptual mining plan be delineated.
- 10) The EMP should be properly designed to address the issues related to crusher, mining and EMP measures being suggested with a specific purpose be delineated in the EIA/EMP report.
- 11) The detailed study of mineral available must be properly incorporated in the EIA/EMP report.
- 12) Mining should be planned in such a way that the pits opened should be exhausted completely before opening the new pit.
- 13) Since it is an agricultural land and Tur dal is a cash crop in the area, a note of cost benefit analysis shall be incorporated in the EIA/EMP report.

1.3 Proposal for Amendment in Environmental Clearance (EC) for removal of Specific Condition 6 of existing Environment Clearance granted on 05.01.2017 of Limestone Mine with production capacity of 0.53 MTPA (ROM) in the MLA of 193.3269 ha located at Villages Talli and Bambhor, Taluka Talaja, District- Bhavnagar, Gujarat by M/s. UltraTech Cement Limited - File. No: J-11015/13/2016-IA.II (M), Proposal No: IA/GJ/MIN/235954/2021, Consultant: J.M. EnviroNet Pvt. Ltd.] - Amendment in EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Amendment in existing Environmental Clearance granted on 05.01.2017 by MoEF&CC for Limestone Mine (ML Area: 193.3269 ha) with Existing Production Capacity of 0.53 million TPA (ROM)	
Location	Village	Talli and Bambhor
	Tehsil/Taluka	Talaja

	District	Bhavnagar
	State / UT	Gujarat
	Latitudes	21 ^o 9'8.871" N to 21 ^o 10'20.694" N
	Longitudes	71 ^o 57'55.218" E to 71 ^o 59'6.534" E
	SolTopo sheet No.	41 O/16 (Restricted)
Company's Name	M/s. UltraTech Cement Limited (Unit –Gujarat Cement Works)	
Accredited Consultant and certificate no.	J.M. EnviroNetPvt. Ltd. Registered by NABET (QCI) Certificate no. NABET/EIA/2023/RA 0186, dated 17.12.2020 Validity: 07.02.2023	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area (MLA)	193.3269 Ha

4. EC details:

EC Proposal No.	IA/GJ/MIN/34113/2015
Documents Submitted	Form IV, Addendum Report, KML etc
Date of earlier EAC meetings for amendment in EC	34 th EAC (Non-Coal Mining) dated 27.07.2021 wherein the Committee noted violation of specific condition 6 and standard condition 14 of earlier EC granted on 05.01.2017. It was noted that PP is already using village road for transportation of minerals which was not allowed. The Committee did not accept the proposed amendment and returned the proposal in present form.
Production capacity	0.53 million TPA (ROM)
Soil	Topsoil: average 0.06 million TPA
Waste	There is no generation of waste.
Total Excavation	0.59 million TPA
Previous EC details	J-11015/13/2016-IA. II (M) dated: 05.01.2017
Reason of Amendment	Amendment is required in specific condition 6 and standard condition 14 and is proposed for Extension in time period for approximately 5 years for transportation

	purpose from the existing road infrastructure and meanwhile company will construct the bypass road for further transportation.
--	--

5. Lease Details:

Granted Prospecting License	Area	Not holding
	Execution date	Initial prospecting done by Mines & Geology Dept., Govt. of Gujarat
	PL No.	ML granted under under section 10A(2)(C) of Mines and Minerals (Development & Regulation) Amendment Act, 2015. PL not applicable under aforesaid clause hence not granted.
Application for the Mining lease area and Date	ML application made on 16.10.1995 over area of 939.7841 ha.	
Validity of mine lease	10.01.2067	
Letter of Intent	Letter No.	MCR-1095-3994-CHH-1
	Date	04.06.2001 (Name changed from GIL to UTCL on 09.07.2015 vide letter no. MCR/102012/1248/CHH, Secretariat, Department of Industry and Mines, Govt. of Gujarat)
Granted mine lease	Mining Lease grant order was issued in the name of M/s. UltraTech Cement Limited vide letter dated 08.01.2017 over an extent of 193.3269 ha for 50 years and Mining Lease Deed was executed on 11.01.2017.	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	684(4)(1)/MP-307/2020-21-GNR
	Date	15.01.2021
	Validity	31.03.2026
Mining Parameters	Quantitative Description	
Bench Height	5.0 m	
Bench Width	25.0 to 30.0 m	
Method of Mining	Fully Mechanized Opencast Method	
Individual bench slope	80° - 85° 2-3 Benches of Maximum 6.0 m height.	

Overall pit slope	45°
Drilling/Blasting	Drilling & blasting is not proposed and involved in the project
RoM output size	About 60-100 mm
Life of mine	24.7 says 25 years
Transportation details	The limestone is being transported by road (using trucks) to the captive cement plant of the UTCL located in Amreli district of Gujarat and about 90 KM away from the mine.
Dumpers capacity	35

7. Land Area Breakup:

Private land	155.3269 ha
Government land	38.0 ha
Total Mining lease area (MLA)	193.3269 ha

8. Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Directions
Nearest village	Bambhor	Habitation fall within the lease area
Nearest Town / City	Mahuva	~21 km in SW direction
Nearest State/National Highway	NH 8E	~8.5 km in NW direction
Nearest Railway Station	Mahuva	~21 km in SW direction
Nearest water bodies	BagadNadi	~1.8 km in NNE direction
	Gulf of Cambay	~2 km in SE direction

9. Water requirement:

Total water requirement	60 KLD	Fresh water	60 KLD
		Treated water	-
Source	Mahuva Nagar Seva Sadan (Narmada water supply authority), desalination plant & mine sump		
Permission	Mutual agreement for purchase of water between PP and Mahuva Nagar Seva Sadan was done on 12.07.2007		

10. Presence of Environmentally Sensitive areas in the study area:

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks

Forest Land	No	Letter No.-B/JMN/T.9/3464965/2016-17, Dt.: 22.06.2016
National Park	No	Letter No.-A/JMN/T.12/2269-70/2016-17, Dt.: 12.09.2016
Wildlife Sanctuary & Forest	No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Asiatic Lion, Chinkara, Leopard, wolf and Peafowl. According to Forest department Letter No. B/JMN/T.9/3464965/2016-17, Dt.: 22.06.2016
Wildlife Conservation Plan	Yes	Wild life conservation plan along with budgetary provisions for schedule-I species was approved by PCCF, Gandhinagar vide letter No.-WLP/32/C/128-130/2021-22, Dt.: 06.07.2021

11. Green belt/plantation details:

Proposed area for green belt/plantation	19.58 ha
Budget for green plant & plantation till the end of life of mine.	Budget for green belt & plantation is proposed about Rs 215 Lacs during the life of mine and we have planted around 3000 saplings till year 2020-21 over an area of 1.37 Ha.

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	6.38 Ha
50 m safety zone of nallah, roads, electric lines	31.40 Ha
500 m safety zones of nearest habitation villages	9.30 Ha

12. Court case details:

Court Case	No
------------	----

13. Affidavit/Undertaking details:

Affidavit/Undertaking	Affidavit 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 is submitted to MoEF&CC.
-----------------------	---

14. Previous EC compliance and production details:

Particulars	Letter no. and date	
Certified EC compliance report	-	
Certified past production	Financial Year	DMG Certified Production (Tonne)
	2018-2019	60226
	2019-2020	180998
	2020-2021	210348

15. Details of project cost and employment:

Particulars	Budget
Total Cost for EMP	75 Lacs
Recurring Cost for EMP	25 Lacs/annum
Project Cost	30 Crores
Employment	30 Persons

16. Observation and Recommendation of the Committee:

The proposal for Amendment in Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. The Member Secretary informed that IA Non-Coal division received a letter from IA-Monitoring Division dated 20.09.2021 stating that *“Both the conditions (Specific condition no.6 & Standard condition no.14) are contradictory to each other and are not implementable together and accordingly, one of them needs to be removed or amended, appropriately by the concerned EAC (NCM). Considering the ease of implementation, Std condition 14 is expected to be picked up for implementation by the PP and accordingly, as reported by IRO, various steps have already been initiated by PP towards strengthening of road and for creation of dedicated road for transport of mineral” and “considering the natural justice, EAC may consider specific condition 6 for amendment/removal at this stage”.*

Further, Ministry’s IA-Monitoring Division had issued a show cause notice on 20.09.2021. The relevant extract is as follows “In view of the foregoing, the project proponent is hereby directed to submit the (i) Clarification for non-compliance observed by the EAC (NCM) and IRO site visit inspection report w.r.t. Std Condition no. 14 of EC dated 05.01.207 and (ii) Action Taken Report (ATR) along with the Action Plan with respect to the other non-compliance of other EC conditions within 30 days of the receipt of this letter. It may please be noted that, if no satisfactory reply is received within the prescribed time frame, the Ministry will be constrained to take necessary action as deemed fit and appropriate in the circumstances of the case which *inter-alia* may include issuance of Show Cause Notice under the provision of section (5) of the Environment (Protection) Act, 1986.”

After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for amendment of specific condition no. 6 in Environmental Clearance granted vide letter no. J-11015/13/2016-IA. II (M) dated 05.01.2017 of Limestone Mine with production capacity of 0.53 MTPA (ROM) in the MLA of 193.3269 ha located at Villages Talli and Bambhor, Taluka Talaja, District-Bhavnagar, Gujarat by M/s. UltraTech Cement Limited till June 2025 in view of the following:

- 1) The project proponent has committed to spend an expenditure of 13 crore in 2 years towards widening and strengthening the road which also benefits the villagers.
- 2) The supporting letters that have been received from local authorities to re-open the mine.
- 3) The project proponent shall monitor the air quality impact while transporting the material through villages and also look for an option for transporting the material through convoy so that safety measures can be properly taken up.
- 4) The project proponent shall adhere to the safety measures proposed for reducing the accidents.

In addition to the above, the Committee was of the opinion that no further amendment can be granted. The specific condition no. 6 must be read as '*The project proponent shall ensure that the road will not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC guidelines with respect to complying with traffic congestion and density and to be completed by June 2025*'. All other terms and conditions mentioned in the EC letter dated 05.01.2017 shall remain unchanged. The amendment recommended during 41st EAC meeting held during 15th – 16th November and 18th November, 2021 is applicable only **after the revoke of Show Cause Notice** issued by the IA-Monitoring Division, MoEF&CC.

1.4 Proposal for Terms of Reference (ToR) for Limestone Mine- Khinya-II (A) Block with total excavation of 6.04 MTPA including 5.50 MTPA ROM (Cement grade 5.40 MTPA and SMS grade 0.10 MTPA); 0.28 MTPA Inter-burden and 0.26 MTPA Alluvial Sand/Top soil along with Installation of one mobile crusher of 50 TPH and 1500 TPH Crushers with vibrating screen in the Mining lease area of 304.0 ha located in the Village: Khinya, Tehsil: Shri Mohangarh, District: Jaisalmer (Rajasthan) by J.K. Cement Limited – [File No: IA-J-11015/77/2021-IA-II(NCM), Proposal No: IA/RJ/MIN/234184/2021, Consultant: J.M. EnviroNet Pvt. Ltd.] –ToR

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposed Limestone Mine- Khinya-II(A) Block (Auction Block), (Area: 304.0 ha) with total excavation of 6.04 Million TPA including 5.50 Million TPA ROM (Cement grade 5.40 million TPA and SMS grade 0.10 million TPA); 0.28 Million TPA Inter-burden and 0.26 Million TPA Alluvial Sand/Top soil along with Installation of one mobile crusher of 50 TPH and 1500 TPH Crushers with vibrating screen.	
Location	Village	Khiyan
	Tehsil/Taluka	Shri Mohangarh
	District	Jaisalmer
	State / UT	Rajasthan
	Latitudes	27°18'05.04"N to 27°18'31.03"N
	Longitudes	70°50'59.97"E to 70°52'13.78"E
	SolTopo sheet No.	G42E15 & G42E16
Company's Name	M/s J.K. Cement Limited	
Accredited Consultant and certificate no.	J.M. EnviroNetPvt. Ltd. Certificate no. NABET/EIA/2023/RA 0186,	
KML file	Submitted	
Seismic zone	Zone – III as per IS: 1893 (Part-I) : 2002	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral and 2(b)-beneficiation of minerals
Provisions	EIA Notification dated 14 th September 2006
Mining lease Area (MLA)	304ha

4. ToR details:

ToR Proposal No.	IA/RJ/MIN/234184/2021
Online application date for Form-I	14.10.2021
Documents Submitted	Form I, PFR, Brief Summary, Proposed ToR, SOI Toposheet, KML File, Approved Mining Plan etc.
EAC meeting date	15.11.2021
Production capacity	5.50 Million TPA ROM (Cement grade 5.40 million TPA and SMS grade 0.10 million TPA)
Soil	0.26 Million TPA Alluvial Sand/Top soil
Waste	0.28 Million TPA Inter-burden

Total Excavation	6.04 Million TPA
Crusher	Installation of one mobile crusher of 50 TPH and 1500 TPH Crushers with vibrating screen

5. Lease Details:

Letter of Intent	Area	304ha
	In favor of	JK Cement Limited through E-auction by Rajasthan Government
	Date	18th May 2021
	Order no.	p 3(1) Khan/Gr.-2/2021
Validity of mine lease	50 years from registration of mining lease	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584 (4)(3)(1875)/2021RCM-Ajmer	
	Date	11.08.2021	
	Validity	2021-22 to 2025-26	
Additional information	Transportation of Limestone	Initially in first 2 years production (ROM-Crushed limestone) will be nil. 3rd year production will be 0.15 MMTPA and 4th year will be 1.0 MMTPA which will be transported by 40 Tonnes limestone carrying capacity tippers from mine crusher to the nearest Railway Siding at Lanela/Sonu and then by railway to the existing cement plants of the company at Nimbahera and Mangrol in Rajasthan till set up of cement plant near to the deposit expected by 2027-28.	
Mining Parameters	Quantitative Description		
Bench Height	6m (max)		
Bench Width	20 m (max)		
Method of Mining	Fully-Mechanized Opencast Mining		
Individual bench slope	80 ⁰ vertical		
Overall pit slope	45 ⁰		
Drilling/Blasting	Mineral (Max) per day	19262 t	
	Height of bench	6.0 m (max)	
	Depth of hole including sub grade drilling	6.6 m	
	Burden	3.0 m	
	Spacing	4.0 m	
	Volume blasted per hole (6 x 3.0 x 4 = 72.0)	72.0 cu.m.	

	Tonnes blasted per hole (72.0 x 2.50)	180.00 t
	Powder Factor t / kg of explosive	6
	Explosive per hole	30 kg
	Explosive per day (19262/6 = 3210.33 kg)	3210 kg
	ANFO (90 % ANFO & 10 % Booster)	3210 kg / day
RoM output size	Up to 1.5 m3	
Life of mine	27 Years	
Transportation details	By dumper, tipper/OLBC	
Dumpers capacity	40MT material weight (From Mine face to crusher through haul road)	

7. Land Area Breakup:

Private land	95.72 ha
Government land	43.03 ha (Grazing land)& 165.25 ha
Total Mining lease area (MLA)	304.0 ha

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

Particular	Distance(km)	Direction
	From Lease Boundary	
Village/Town		
Khinya Village	~2.0	North
Khinsar	~2.5	South
Jaisalmer	~42	South
Highway		
Tar Road	Passing through the ML Area	
MDR - 19	~4.5	WNW
MDR-103	~7.0	North
Railway Station		
Jaisalmer	~42.0	SSE
Water Bodies		
Indira Gandhi Canal (Sagarmalgopa branches)	~7.5	NNE

9. Water requirement

Total water requirement	158 KLD	Fresh water	150 KLD
		Treated water	8 KLD
Source	Indira Gandhi Nahar Project canal (SagarmalGopa branches) and Ground water with due permissions CGWA		
Permission	Permission/NOC will be obtained for Indira Gandhi Nahar Project canal (SagarmalGopa branches) and Ground water after taking necessary approval from CGWA		

10. Presence of Environmentally Sensitive areas in the study area

Forest Area/Environmental Zone	Land/Protected Sensitivity	Yes/No	Details of Certificate/letter/Remarks
Forest Land		No	No Forest land involved in Mining lease area. No national Park, Wildlife Sanctuary, wildlife corridors, Tiger/Elephant Reserves located in study area.
National park			
Wildlife Sanctuary & Forest			

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	None

11. Green belt/plantation details:

Proposed area for green belt/plantation	77.751 Ha
Budget for green plant & plantation till the end of life of mine.	Rs. 156 Lakh + Recurring 19 Lakh
Budget for nursery	No Provision for Nursery

Particulars for Green belt/plantation	Area covered (in Ha)	
7.5 m barrier & non-mineralized zone	6.0 ha	
50 m safety zone of nallah, roads, electric lines	18.383 ha	
Additional information	Plantation on Worked out benches	39.208
	Plantation on Backfilled area	14.16
	Re-grassing	41.51

12. Court case details:

Court Case	No court case pending
------------	-----------------------

13. Rehabilitation & Resettlement:

R & R details	<ul style="list-style-type: none"> ➤ Total mining lease area is 304 ha, out of which 95.72 ha is Private land, 165.25 ha is Government waste land and 43.03 ha is Grazing land which spread in one village namely Khinya. ➤ R&R will be followed as per Central and State Government Rules & notifications. A detailed study has been planned as a part of EIA/EMP to understand all the issues involved
---------------	--

14. Affidavit/Undertaking details:

Affidavit	Affidavit 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 before grant of ToR/EC has been submitted to MoEFCC.
-----------	---

15. Details of the EMP budget:

The total capital cost for implementation of proposed EMP is about Rs. 386.5 Lakhs (3.8 Crores) and Recurring Cost is about Rs. 49.4 Lakhs (0.49 Crores).

16. Details of project cost and employment:

Particulars	Value
Capital Cost for Environment Protection	3.86 Cr
Budget for addressing the public hearing issues	Proposal is for ToR
Total Project Cost	75.20 Cr (Land, Mining Machineries, Infrastructures and Crushers etc)
Recurring Cost for EMP	0.49 Cr
Total cost for Environmental Monitoring and Occupational Health	0.54 Cr
Recurring Cost for Environmental Monitoring and Occupational Health	0.17 Cr
Employment	181 persons

16. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference for Limestone Mine-Khinya-II (A) Block with total excavation of 6.04 MTPA including 5.50 MTPA ROM (Cement grade 5.40 MTPA and SMS grade 0.10 MTPA); 0.28 MTPA Inter-burden and 0.26 MTPA Alluvial Sand/Top soil along with Installation of one mobile crusher of 50 TPH and 1500 TPH Crushers with vibrating screen in the Mining lease area of 304.0 ha located in the Village: Khinya, Tehsil: Shri Mohangarh, District: Jaisalmer, Rajasthan by J.K. Cement Limited subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:

- 1) The project proponent should install the continuous ambient air quality monitoring stations in such numbers as per the scientific study and in consultation with CPCB.
- 2) The project proponent shall monitor and incorporate the air quality and noise all along the road up to Sanu railway siding as well as around Sanu railway

siding with a focus on particulate matter 2.5 and 10 with Silica content in the EIA/EMP report.

- 3) Limestone will be allowed to be transported by road during the 3rd and 4th year at the rate of 1.5 Lacs tonnes per year.
- 4) The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- 5) The Project Proponent needs to submit the detailed R&R plan covering all the components. PP should clearly mention the number of Project Affected Families (PAF) and details of the land owned by them break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP needs to submit the plan for Socio economic development of the neighbourhood habitats based on the need-based survey along with the time bound action plan.
- 6) Project Proponent shall ensure that the entire peripheral plantation and the safety barrier plantation shall be completed within 3 years from the start of mining operations.
- 7) 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 proper separate budget.
- 8) The Project Proponent shall allocate separate budget for the concerns of the local people in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets, infrastructure and environment protection.

1.5 Proposal for Terms of Reference (ToR) of Guguldoh Manganese Ore Block with the production capacity of 3,06,065 TPA in the Mining lease area of 105 ha located at Village Manegaon, Tahsil Ramtek, District Nagpur, Maharashtra by M/s Shanti G.D. Ispat & Power Pvt. Limited – [File No: IA-J-11015/58/2021-IA-ii(NCM), Proposal No: IA/MH/MIN/222185/2021, Consultant: Pollution & Ecology Control Services] - ToR

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

NameoftheProposal	Guguldoh Manganese Ore Block with the production capacity of 3,06,065 TPA. (ML Area 105 Ha)	
Location	Village	Guguldoh –Manegaon
	Tehsil/Taluka	Ramtek
	District	Nagpur
	State/UT	Maharashtra
	Latitudes	21°25'53.06"to21°26'19.36"N
	Longitudes	79°24'04.29"to79°25'31.55"E
	SoI Toposheet No.	55O/7
Company'sName	M/sShantiG.D.Ispat&PowerPvt.Ltd.	
Accredited Consultant andcertificateno.	Pollution&EcologyControlServices NABET/EIA/1720/RA0101	
KMLfile	Submitted	
Seismiczone	Zone-II	

3. Categorydetails:

Categoryoftheproject	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	EIA Notification dated 14 th September 2006
MiningleaseArea (MLA)	105Ha

4. ToR Details:

ToRProposalNo.	IA/MH/MIN/222185/2021
Onlineapplicationdatefor Form-I	30 th July2021
DocumentsSubmitted	Form-1, PFR, Approved Mining Plan, AdditionalDoc-FCApplication,CGWANOC,Govt.Policy.
Productioncapacity	PeakProduction306065TPA
Soil	PeakSoilGeneration:85211TPA
Waste	PeakOBGeneration:6482875TPA
TotalExcavation	68,74,151TPAatPeakproduction
Date of earlierEACmeetings	35 th EACMeeting16-18 th ,20 th August2021 14 th EAC Meeting26 th February2020

5. LeaseDetails:

LetterofIntent	LetterNo.	MMN-0518/C.R.30/industry-9
	Date	05.06.2018
Validityofminelease	50 Years	

6. Miningplandetails:

Mining Plan(approved by IndianBureauofMines/DMG)	LetterNo.	NGP/MN/MPLN-1177/NGP-2019/961
	Date	18/09/2019
	Validity	Five yearsfromthedataofexecution.

MiningParameters	QuantitativeDescription
BenchHeight	6.0m
BenchWidth	6.0mandwillnotbelessthanheightofthebench.
MethodofMining	OpenCastMechanizedMining
Individualbenchslope	-
Overallpitslope	45degree
Drilling/Blasting	WagonDrill&JackHammer,ControlledBlasting
RoMoutput size	40-150mm
Lifeof mine	5yearsasperapprovedMinePlan. Life of mine may increase after G1 levelexploration.
Transportationdetails	7.75kmfromSH-249,Maharashtra
Dumperscapacity	16Tonscapacity

7. LandAreaBreakup:

Privateland	Nil
Governmentland	105(RevenueWasteLand–5.05and99.95HaofForest Land)
Total Mining leasearea(ML A)	105

8. Nearestvillage /town/highway/railwaystation/waterbodies

Particulars	Particular'sName	Distance&Directions
NearestVillage	Guguldoh	1.7Km (SE)
Town	Ramtek	11Km(SW)
Highway	NH-44 SH–249 SH-251	9.0 Km (W) 4.0Km(S) 6.5Km(NE)
RailwayStation	Ramtek	12 KM(SW)
WaterBodies	VillagePond KhidsiLake MogarkasaPond Small ponds scattered in southern part of mine site	100m(E) 4.5 Km(SW) 8.5Km(NE)

9. Waterrequirement:

Totalwaterrequirement	9.50KLD
Source	Groundwater
Permission	CGWANOCobtained vide NOC no. CGWA/NOC/MIN/ORG/2021/9934dated11/01/2021forextractionofGroundWater9.5KLD

10. Presence ofEnvironmentallySensitiveareasinthestudyarea

Particulars	Yes/No	Details of Certificate/letter/Remarks
ForestLand	Yes	The proposed lease area consists of 5.05Ha of Non-Forest Land and 99.95 Ha of Forestland. The project proponent has applied forForestClearance under Forest Conservation Act1980, on 3.10.2019 of forest land and it isunderprocess.
National Park	No	-
WildlifeSanctuary	Yes	MansingdeoWLSisabout9.1kminNWdirection. The project proponent has appliedfortheWildlife ClearanceunderWildlife Protection Act 1972, on28.05.2021anditisunderprocess.

11. Greenbelt/plantationdetails:

Proposedareaforgreenbelt/plantation	2.00
Budgetforgreenbelt&plantationtilltheendoflifeofmine.	2000Tree/Ha.

12. Courtcasedetails:

Court Case	No court case pending
------------	-----------------------

13. Rehabilitation&Resettlement:

R&Rdetails	None
------------	------

14. ADSdetails

S.No	ADSPoint	Reply by project proponent
1	The mine lease area (latitude: 21°25'53.06" to 21°26'19.36"N& Longitude: 79°24'04.29" to 79°25'31.55"E)falls under Manegaon village and as per ESZ notification, the village Manegaon(latitude: 21° 41' 03.397"N & longitude: 79° 25' 00.047" E) in the Tehsil: Ramtek falls under ESZ.The project proponent needs to submit the certificate from the competent authority that mine site does not falls under ESZ	The proposed mine lease area does not fall under ESZ as per ESZ Notification duly authenticated by the Deputy Conservator of Forests, Nagpur forest division, Nagpur vide letter dated 27.09.2021. Letter regarding the same has been submitted.
2	The project proponent needs to submit the occupational health impacts due to excavation and handling of Manganese.	The occupational health impacts due to excavation and handling of Manganese have been submitted.

15. Details of project cost and employment:

Particulars	Budget (Crore)
Capital Cost for Environment Protection	0.50
Total Cost for EMP	0.50
Recurring Cost for EMP	0.02
Project Cost	18.34
Employment	53 persons

16. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference for Guguldoh Manganese Ore Block with the production capacity of 3,06,065 TPA in the Mining lease area of 105 ha located at Village Manegaon, Tahsil Ramtek, District Nagpur, Maharashtra by M/s Shanti G.D. Ispat & Power Pvt. Limited subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:

- I. The project proponent should install the continuous ambient air quality monitoring stations in such numbers as per the scientific study and in consultation with CPCB.
- II. The project proponent must obtain the Wildlife Clearance and Forest Clearance before the appraisal for Environmental Clearance.
- III. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- IV. The Project Proponent needs to submit the detailed R&R plan covering all the components. PP should clearly mention the number of Project Affected Families (PAF) and details of the land owned by them, break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP need to submit the plan for Socio economic development of the neighborhood habitats based on the need-based survey along with the time bound action plan.
- V. The Project Proponent needs to submit the plan for protection of nallah, embankment, garland drains and settling ponds. An additional distance of 100 meters as a safety barrier on the both side of the nallah, embankment, garland drains and settling ponds shall be left apart from the distance already left while granting lease area by State Govt. as informed by PP. A safety barrier shall also

be created all along the roads by leaving 100 meters distance (each side) in the direction of habitation and 100 meters distance (each side) in rest of the road.

- VI. Project Proponent shall ensure that the entire peripheral plantation and the safety barrier plantation shall be completed within 3 years from the start of mining operations.
- VII. 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 proper separate budget.
- VIII. The Project Proponent shall allocate separate budget for the concerns of the local people in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets, infrastructure and environment protection.

DAY 2: 16.11.2021 (Tuesday)

2.1 Proposal for Environmental Clearance for Stone Mining from Lolo Stone Deposit along with Crushing & Screening plant in the area of 6.047 ha located at Mauza – Lolo, Block – Ramgarh, District – Ramgarh, State – Jharkhand by M/s Fairmine Resources Limited - [Proposal no: IA/JH/MIN/173744/2020; File No. J-11015/46/2020-IA-II(M); Consultant: Crystal Consultants] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Stone Mining from Lolo Stone Deposit along with Crushing & Screening plant, at Plot no. - 2392 P, 2402 P, 2403, 2404, 2405 P, 2408 P, 2410 P, 2411 P, 2412 P, Khata no.184, 55 & 25, Mauza – Lolo, Block – Ramgarh, District – Ramgarh, State – Jharkhand.	
Location	Village	Lolo
	Tehsil/Taluka	Ramgarh
	District	Ramgarh
	State / UT	Jharkhand
	Latitudes	N23°33'33.64" to N23°33'44.94"
	Longitudes	E85°33'53.51" to E85°34'03.40"
	SoI Topo sheet No.	F45B10
Company's Name	M/s Fairmine Resources Ltd.	

Accredited Consultant and certificate no.	Crystal Consultants QCI/NABET/ENV/ACO/21/1921
KML file	Submitted
Seismic zone	II

3. Category details:

Category of the project	Category “B”, Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	EIA Notification dated 14 th September 2006
Mining lease Area	6.07 Ha
General condition	The block is located in Ramgarh District in Jharkhand. This area has been declared as “Severally Polluted Area” by CPCB.

4. ToR Details:

ToR Proposal No.	IA/JH/MIN/173744/2020
Online application date for Form-I	17/09/2020
Documents Submitted	Form – I, Pre-Feasibility Report, Approved Mine Plan, Letter of Intent, KML File, Toposheet, District Survey Report, Cover Letter and Affidavit
Previous EAC meeting for ToR	26/10/2020
ToR Letter No.	J-11015/46/2020-IA-II(M)
ToR grant Date	12/11/2020
Production capacity	3,60,872 TPA
Total Excavation	1563201Tonne
Crusher	Yes, semi-mobile crusher with 250 TPH capacity in NW direction of the mine lease site.
EIA/EMP uploaded on	02/10/2021

5. Lease Details:

Letter of Intent	Issued by	Government of Jharkhand issued LOI after open bidding for Lolo Stone Mining Block measuring 6.07Ha. to M/s Fairmine Resources Limited for mining of stone.
	Letter No.	Kha.Ni (Nilami)-04/2019/1852
	Date	6th August, 2019
Validity of mine lease	10 Years	
Additional information	The project proponent submitted that there had been illegal mining over a patch of 0.56 ha confined to outcrop.	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	-
	Date	10/08/2020
	Validity	5 Years
Mining Parameters	Quantitative Description	

Bench Height	6m
Bench Width	6m
Method of Mining	Opencast (Mechanized)
Individual bench slope	75°
Overall pit slope	45°
Drilling/Blasting	7 Blast Holes per day.i.e.259 Kg / Day
RoM output size	200 mm
Life of mine	10 Years
Transportation details	By Road
Dumper's capacity	20 T

7. Land Area Breakup:

Private land	0.82 Ac.
Government land	14.18 Ac.
Total Mining lease area (MLA)	(15.00 Ac.)6.07 Ha.

8. Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Distance &Directions
Village	Lolo	00.50 Km
Town	Ramgarh	08.00 km
Highway	NH 33	03.50 KM
Railway Station	Mael Railway Station	10.00 Km
Water Body	Damodar River	08.00 Km
The site is connected to NH – 33		

9. Water requirement:

Total water requirement	16.5 KLD	Fresh water	16.5 KLD
		Treated water	0 KLD
Source	Potable Demand (1.5 KLD) – Ground Water (100 mm Deep Tube Well) For other purpose (15.0 KLD) – Surface Water (Storage created by Check Dam created on Nallah)		

10. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	Yes	Protected forest on south side which is 1.5 Km away from project site.
National Park	No	
Wildlife Sanctuary	No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	-

11. Green belt/plantationdetails:

Proposed area for green belt/plantation	0.38 Ha.
Budget for green plant& plantation till the end of life of mine.	Rs. 5,00,000.00
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	0.38 Ha.
Additional information	Single row plantation on both sides of evacuation route.

12. Baseline details:

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)		
Period of baseline data collection	October to December, 2020	
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Post Monsoon	
Air quality monitoring	PM10	33 µg/m ³ to 45 µg/m ³
	PM2.5	24 µg/m ³ to 32 µg/m ³
	SOx	<5 µg/m ³ to 16 µg/m ³
	NOx	<10 µg/m ³ to 18 µg/m ³
Water, Soil and Noise monitoring	They have been found to be in conformity to prescribed levels.	

13. Public Hearing (PH) Details

Advertisement for PH with date	Hindustan on 11/03/2021 The Pioneeron 10/03/2021
Date of PH	10/04/ 2021
Venue	Project Site
Chaired by	Addl. Collector
Main issues raised during PH	Pollution, Vibration, Employment to the local people, etc.
Budget proposed for addressing issues raised during PH	Rs. 5,00,000.00 for road maintenance & environment pollution control measures Rs. 48,53,000.00.

14. Court case details:

Court Case	No court case is pending
------------	--------------------------

15. Affidavit/Undertaking details:

Affidavit/Undertaking	Affidavit 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 is submitted to MoEFCC.
-----------------------	--

16. Details of the EMP

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
------------	-----------------------	------------------------------

Water Sprinkler	0.10	➤ Road Maintenance - 5.00 ➤ O & M - 5.00 ➤ Environment Monitoring - 3.00 ➤ Health check up - 2.00 ➤ Total - 15.00
Garland Drain	0.05	
Rain Water Harvesting	0.03	
Check Dam	0.10	
Green Belt	0.05	
CER	0.0953	
Dust Control in crusher	0.04	
Noise Control in crusher House	0.02	
TOTAL	0.4853	

17. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	0.4853
Budget for addressing the Public Hearing issues	Rs. 5,00,000.00 for road maintenance & environment pollution control measures Rs. 48,53,000.00.
Total Cost for EMP	0.4853
Recurring Cost for EMP	0.15
Project Cost	4.7645
Employment	39 persons

19. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41stEAC meeting held during 15th – 16thNovember and 18th November, 2021. The Committee observed that air quality data was not adequate. Impacts were not analysed on the air quality due to crushing, transportation etc. The project proponent could not satisfactorily demonstrate the proposal. The project proponent did not present the EMP properly. Therefore, the Committee **deferred** the proposal due to want of following information:

- 1) Serious concerns were raised by the public during the public hearing regarding the air pollution and the measures indicated are not adequate to satisfy the people in the location. People have also raised the issues regarding the transportation; therefore, the air quality data has to be monitored again at the site as well as in the villages, along the road as the emission during the transportation has been shown the maximum. The project proponent also needs to submit the proper and accurate micro-meteorological data.
- 2) The project proponent needs to submit the proper control measures to be taken during mining, crushing and transportation.

- 3) The cost of EMP is inadequate. Therefore, the project proponents should include measures for control of noise, vibration and dust separation during blasting and submit.
- 4) The project proponent should also demonstrate the impact of noise and vibration during drilling and blasting on village Lolo as well noise impacts on the roads particularly in the villages.
- 5) The project proponent should demonstrate the impact of mining on the nala which is being crossed by a kachcha road as well as any impact on Damodar River due to stone mining and crushing in this area as this particular area looks to be rich in stone.
- 6) As 1203 tonnes per day will be excavated as per the plan given, no. of trucks that will be deployed, the frequency of vehicles and emissions from the vehicles (air and noise both) needs to be computed and mitigated through proper measures.
- 7) The project proponent needs to submit an undertaking stating that the quarry seen in the mine lease area through KML file is not done by the present project proponent. The PP also needs to submit the copy of Geology report mentioning about the quarry already done.
- 8) The project proponent needs to submit the potential impacts on the protected forest due to dust, since protected forest is only 1.5 kms from the mine lease.

2.2 Proposal for Environmental Clearance for expansion of AnjaliRanaBordi Limestone Mining Project with expansion in production capacity from 14,000 TPA to 1,75,000 TPA located at Village: Anjali, Tehsil: Ranananv, District: Porbandar, Gujarat (MLA: 12.27 Ha) by M/s TATA Chemicals Limited - [File No. IA-J-11015/100/2018-IA-II(M); Proposal No. IA/GJ/MIN/213741/2017; Consultant: In Situ Enviro Care] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposal for Environmental Clearance for expansion of Anjali Rana Bordi Limestone Mining Project with production capacity of 1,75,000 TPA
----------------------	---

Location	Village	Aniali
	Tehsil/Taluka	Ranavav
	District	Porbandar
	State / UT	Gujarat
	Latitudes	21° 42' 4.535" to 21° 42' 24.163"
	Longitudes	69° 49' 23.698" to 69° 49' 31.769"
	SoITopo sheet No.	207/P
Company's Name	M/s TATA Chemicals Limited	
Accredited Consultant and certificate no.	In Situ Enviro Care and NABET/EIA/1821/RA0070	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	EIA Notification dated 14 th September 2006
Mining lease Area (MLA)	12.27 Ha
General condition	Barda Wildlife Sanctuary is present at 4.02 Km in NW direction and 112.21 meters from ESZ

4. ToR/EC Details:

ToR Proposal No.	IA/GJ/MIN/70670/2017
Online application date for Form-I	14 Aug 2018
Documents Submitted	Mine plan, lease documents, past production details.
EAC meeting date	28-29 SEP 2018
ToR Letter No.	J-11015/100/2018-IA.II (M)
ToR grant Date	9 th October 2018
Production capacity	1,75,000 TPA
Soil	4,000 m ³
Total Excavation	7,30,000 (for 5years)
EIA/EMP uploaded on	03 June 2021
Previous EC details	EC vide letter dated No J-11015/304/2012-IA. II(M) dated 27.05.2015 for the capacity of 14,000 TPA.

5. Lease Details:

Mine lease details	<ol style="list-style-type: none"> 1. Date of entering into original lease deed: 23.12.1966 2. Date of expiry of original lease deed 22.12.1986. <p>1st renewal of lease was applied on 02.09.1985. 1st renewal was granted vide order No. MCR-1585 - (T-43)-4266-</p>
--------------------	--

	CHH, dated 22.11.2004. The 1 st renewal expired on 22.12.2006, thereafter, TCL applied for 2nd renewal vide letter No. AW/G/1409/2005, dated 17.11.2005.
Validity of mine lease	31.03.2030. Lease Extension: The Industries and Mines Department of Gujarat Government has considered for the lease period extension to 31.03.2030 vide letter No. MCR/1565/13876- CHH, New Sachivalaya, Gandhinagar dated 02.02.2018 as per recent amendment in Section 8A (5) of the MMDR Act, 2015.

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	682(4)(1)/MP/320/2020-21-GNR/297
	Date	18/02/2021
	Validity	2026
Mining Parameters	Quantitative Description	
Bench Height	5 m	
Bench Width	>5 m	
Method of Mining	Open cast method (using drilling and blasting)	
Individual bench slope	--	
Overall pit slope	The edge of excavation shall be adequately sloped and secured so as to prevent danger of sliding as per the regulation 106 of the Metalliferous Mines Regulation, 1961. The slope of each bench will be kept around 80 ⁰	
Drilling/Blasting	Occasional adoption of drilling and blasting to give shattering effect to hard strata (TCL already has necessary permission from the DGMS for use of drilling and blasting system)	
RoM output size	1,75,000 TPA	
Life of mine	5 years	
Transportation details	The Limestone will be transported from mine site to Soda Ash and Cement Plant located at Mithapur.	
Dumpers capacity	17 Tonne	

7. Land Area Breakup:

Private land	--
Government land	Government waste land
Total Mining lease area (MLA)	12.27 Ha

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

Particulars	Particular's Name	Distance & Directions
Village	Daulatgadh	About 1.6 Km NE direction.
Town	Ranavav	About 8.0 in South West direction.
Highway	NH-8B	About 4.89 km in South direction.
Railway Station	Ranavav Railway Station	About 10 km in West direction from the project site.
Water bodies	i. BileshwariNadi is about 5.60 Km in NE direction. ii. MinsarNadi is about 5.25 Km in East direction. iii. Khambhala reservoir is about 7.33km in NW direction. iv. Fodara reservoir is about 9.75km in NW direction. v. Dai River is about 10.25 km NE direction. vi. Sorti River is about 11.44km in NW direction. vii. GulabSagar Lake is about 14.71 Km in North. viii. Krishnapur Lake is about 12.27 Km in NW direction. ix. DhangvaNadi is about 2.19 km in North direction.	

9. Water requirement:

Total water requirement	10.0 KLD	Fresh water	10 KLD
		Treated water	--
Source	Ground Water		
Permission	CGWA Approval (No. 21-4(861)/WCR/CGWA/2011-947 dt: 27 July 2011		

10. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	Yes	Naliyadhar Reserve Forest is approx. 0.010 Km in south west direction. Jambuda Reserve Forest is approx. 2.88 km in North direction. Khageshri Reserve Forest: approx. 7.85 km in East direction.
National Park	No	--
Wildlife Sanctuary	Yes	Barda wildlife sanctuary is present at a distance of 4.02 Km in NW direction and 112.21 meters from ESZ. Mokarsagar Bird Sanctuary is located app. 13.45 Km in SW direction from the project site.

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Indian Peafowl and Leopard

11. Green belt/plantation details:

Proposed area for green belt/plantation	4.04 Ha
Budget for green plant & plantation till the end of life of mine.	Rs. 4.5 Lakh per annum
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	1.1 (till June 21)

12. Baseline details:

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	Dec-2018, Jan 2019 & Feb 2019
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter

13. Public Hearing (PH) Details

Advertisement for PH with date	Public hearing advertisement in English was published in “Times of India” dated 24/02/2021 and in Gujarati in “DivyaBhaskar” dated 24/02/2021.
Date of PH	26th March, 2021 at 12:00 hrs
Venue	M/s Aniali Rana Bordi Limestone mine, (M/s Tata Chemicals Limited), Crusher Area, Opp. Office of Tata Chemicals, Survey No. 207/P, Village: Aniali, Tehsil: Ranavav, Dist: Porbandar, Gujarat.
Chaired by	Shri D.N Modi, IAS, District Collector & District Magistrate, Porbandar
Main issues raised during PH	Employment opportunities for locals, Medical assistance to locals, Social infrastructure (village road construction)
Budget proposed for addressing issues raised during PH	Rs 75,000 under Community Environmental Responsibility plan will address the issues raised during PH.

14. Court case details:

Court Case	Nil
------------	-----

15. Rehabilitation & Resettlement:

R & R details	Nil
---------------	-----

16. Affidavit/Undertaking details:

Affidavit/Undertaking	Affidavit in compliance of Ministry's Office Memorandum No. F: 3-50/2017-IA.III (Pt.), dated 30.05.2018
-----------------------	---

17. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	3-32/2015(ENV)/511 dated 08.08.2019

Certified past production	Submitted
---------------------------	-----------

18. ADS details (34th EAC meeting held during 27th to 30th July 2021):

ADS 1: The project proponent needs to submit the details of extraction of 1,75,000 TPA Limestone as per approved mining plan with working days in place.

Reply: The details of extraction of 175000 TPA Limestone as per approved mining plan with working days in place is given below:

S.No	Aspect	Proposed Production (MT)
1	Production	1,75,000
2	Total No. of Workers	46
3	No. of Working Days	300
4	Mining Machinery	Air Compressor XA 190, Wagon Drill-BVB 25, Backhoe EX-200, Tipper/Hyva-2518, Water Tanker, Pay loader HM 2021 and Tata Hitachi-EX 200/Rock- Breaker
5	Working Depth (m)	Average 5 Meter
6	Bench Height/Width/Slope (m)	5 m/5m/80 Degree
7	Rock Breaker Capacity@ 60 TPH @ 7 Hrs per day = 420 TPD@ 420*300= 1,26,000 TPA < 1,75,000 TPA	One rock breaker is not sufficient
8	No. of Days for 2 Rock breaker to achieve maximum production@ 840 TPD 420*2 = 840 *300 =252000 >175000 hence 2 Rock breaker is needed	175000/840 = 209 Days
9	Average Working Day per month@ days in a year to achieve maximum production/ 12	18
10	Per day excavation (L*B*5) = 840 TPD * Bulk Density-2	18.5*18.5*5 Meter Cube
11	Per month excavation (L*B*5) = 840 TPD * working days in a month*Bulk Density-2	77.76 * 77.76 * 5 Meter Cube

Mining machinery required for the proposed extraction of Limestone:

S.No.	Mining machinery	Capacity of Machinery	No. of Machinery
1	Air Compressor XA 190	400 cfm	1
2	Wagon Drill-BVB 25	110 m	1
3	Backhoe EX-200	0.90 m3	1
4	Tipper/Hyva-2518	17 MT	2
5	Water Tanker	8000 Litre	1
6	Payloader HM 2021	1.53 m3	1

7	Tata Hitachi-EX 70/Rock-Breaker	0.3 m3	2
---	---------------------------------	--------	---

ADS 2: The project proponent needs to submit the details of number of pits in working and number of pits closed since the mine is in operation since 2015.

Reply: The number of pits working is only one and the number of closed pits is nil. The maximum capacity of 1 pit is 1, 75, 000 MT which is yet to be achieved and therefore, we are still working in PIT 1, so No pit has been closed, yet.

Up to 2021-22 the quantity approved in the mine plan is 5, 61,301 MT but only 1, 33,598 MT is mined. Under- capacity of mining at Aniali 12.27 Ha is pronounced due to non-availability of EC.

Details of production as per sanctioned EC and actual production:

Year	Proposed Production in Mine Plan	EC Quantity	Actual Prod.	Remaining Mineral that could not be mined out due E.C. Limitations
Before 1994			70661	
1994-95 to 2016-17			0	
2013-14	19247		0	
2014-15	19218		0	
27.07.2015 (EC Obtained but due to NBWL Condition mining could not be started)				
2015-16	19336	14000	0	
2016-17	38250	14000	0	
Declaration of ESZ of BWS, Mining started				
2017-18	54000	14000	12150	41850
2018-19	78750	14000	12712	66038
2019-20	78750	14000	12450	66300
2020-21	78750	14000	13975	64775
2021-22 (till June-21)	175000	14000	11650	163350
Total			133598	402313
2022-23	175000	175000	175000	175000
2023-24	175000	175000	175000	175000
2024-25	175000	175000	175000	175000
2025-26	175000	175000	175000	175000
Total			833598	1102313

ADS 3: The project proponent needs to submit the comparison table of existing production capacity as well as after expansion, how pits are going to be created, their progress, length and width covered in a year and 5 years plan of progressive mining and progressive closure. Current mining plan and current practice also needs to be submitted along with the details of how this proposed capacity will be achieved.

Reply:The comparison table of existing production capacity as well as after expansion pits is submitted in a table attached with the ADS reply.

ADS 4: Cumulative scenario for all the nearby mines needs to be carried out and be submitted. Also, validate the model on a daily basis for the current scenario for simultaneous extraction and operation of mine.

Reply:The cumulative scenario for all the nearby mines is submitted with the ADS reply.

ADS 5: The project proponent needs to submit the certificate obtained from DMG that no mining activity has been carried out outside the lease area.

Reply: The project proponent submitted the Certificate obtained from DMG dated 01.09.2021 that no mining activity has been carried out outside the lease area.

ADS 6: The project proponent needs to submit the mining methodology with safety measures and surface plan.

Reply: Salient features of proposed method of mining:

Category of Mine	Category A
Method of Mining	By Open cast method (using drilling and blasting)
Targeted Production	Proposed Production under expansion is 1,75000 TPA
Bench height and width	Bench height maximum 5.0 meter and bench width more than 5 m.
Drilling and blasting	Occasional adoption of drilling and blasting to give shattering effect to hard strata (TCL already has necessary permission from the DGMS for use of drilling and blasting system)
Pit slope	The edge of excavation shall be adequately sloped and secured so as to prevent danger of sliding as per the regulation 106 of the Metalliferous Mines Regulation, 1961. The face slope will be kept at 80 ⁰ and overall bench slope will be maintained at 45 ⁰ .
Excavation and Loading	Hydraulic excavator of 0.9 cum bucket capacity
Transportation within mine	Tippers/Dumpers
Transportation outside mine	Contractual Trucks/ dumpers

Drilling machine requirement	
Particulars	Dimensions

Maximum height of mine bench (m)	5
Hole depth including 10% sub-grade – m	6.6
Burden (m)	3
Spacing (m)	4
Bulk Density of Limestone (tonne/ m3)	2
Yield of Limestone mineral/hole (tonne)	144
Yield of limestone per meter	22
Daily requirement of limestone	583
Meters of drilling required per day	27
Considering 10%-hole clogging and re-drilling	3
Actual Meter of Drilling required per day	29
Average Drill Rate of machine m/Hr	20
No of Hours required for drilling	1
*No. of drill machines required for drilling 29m during 6.5 hours work per shift	0.23 or Say 1

Safety Measures at the proposed Open Cast Mining Project:

- The opencast mines have been planned for working with excavator tipper system which requires proper benching not only for slope stability but also for movement of tippers and other heavy machinery.
- A minimum safe distance of 100 m will be kept between the surface edge of the quarry and the nearest public building, roads etc.
- All mining operations both within the quarry and outside will be conducted as per the conditions lay down by DGMS and under the strict supervision of competent persons appointed under Metalliferous Mines Regulations, 1961.

ADS 7:Total excavation of all the three mines and stage mining plan needs to be submitted.

Reply:Total excavation of all the three mines and stage mining plan in details is submitted with the ADS reply.

19. Details of the EMP

Activities	Capital cost (Lakhs/Annum)	Recurring cost (Lakhs/annum)
Air quality monitoring	--	0.50
Water quality control	--	0.50
Noise abatement	--	0.25
Green belt development	1.5	3.00
Dust Suppression	2.5	1.25

20. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	Rs 0.04 Cr
Budget for addressing the Public Hearing issues	Rs 0.0075 Cr under Community Environmental Responsibility plan will address the issues raised during PH.
Total Cost for EMP	Rs 0.095 Cr
Recurring Cost for EMP	Rs. 0.055 Cr
Project Cost	Rs 0.75 Cr
Employment	46 persons

19. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41stEAC meeting held during 15th – 16thNovember and 18th November, 2021. The Committee noted that the project proponent submitted the certified compliance report dated 08.08.2019. The Committee was of the view that project proponent must submit the latest certified compliance report for appraisal for Environmental Clearance. Therefore, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to submit the revised approved Wildlife conservation plan.
- 2) The project proponent needs to submit the latest compliance report duly certified by the Integrated Regional Office (IRO) of the Ministry.

2.3 Proposal for Terms of Reference of M/s Dalmia Cement (Bharat) Ltd for Proposed Badarkha Limestone Block (Auction block) with Limestone Production Capacity of 0.46 million TPA, Soil: 0.1 million TPA and OB: 0.36 million TPA, Mineral Reject: 0.1 million TPA (Total Excavation - 1.02 million TPA) along with 200 TPH capacity of Crusher in the mine lease area of 121.10ha, located at Villages of Badarkha, Bigodi and SannehiSigti, Amarpatan Taluka, Satna District, Madhya Pradesh – [File. No: IA-J-11015/75/2021-IA-II(NCM), Proposal No: IA/MP/MIN/235888/2021, Consultant: JM EnviroNetPvt. Ltd] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	41 st
Date of Meeting	15 th to 16 th and 18 th November, 2021

The proposal of M/s Dalmia Cement (Bharat) Ltd is for grant of Terms of Reference for Proposed Badarkha Limestone Block (Auction block) with Limestone Production Capacity of 0.46 million TPA, Soil: 0.1 million TPA and OB: 0.36 million TPA, Mineral Reject1: 0.1 million TPA (Total Excavation - 1.02 million TPA) along with 200 TPH capacity of Crusher in the mine lease area of 121.10ha, located at

Villages of Badarkha, Bigodi and SannehiSigti, AmarpatanTaluka, Satna District, Madhya Pradesh. The mine lease area is located between Latitude 24°23'05.4043"N to 24°24'06.9091"N and Longitude 81°09'47.5703"E to 81°11'22.9854"E. The mine lease area falls under the Survey of India Toposheet No. G44V3 (63H/3) and falls in Seismic Zone II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth.

2. M/s Dalmia Cement (Bharat) Ltd has made an online application vide proposal no: IA/MP/MIN/235888/2021 dated 26.10.2021 and submitted Form 1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. Details of Mine lease:

S.no	Lease particulars	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Letter of Intent issued for grant of mining lease vide Lr No. F-3-10/2020/12/1 dated 17.09.2020 through e-auction	17.09.2020	Limestone	Valid for a period of 3 (three) years from the date of its issuance	Government of Madhya Pradesh	121.10

4. Mining Plan:

Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines	Letter No.	MP/Satna/Limestone/MPLN/G-16/2020-21/4148
	Dated of approval	05.03.2021
	Mineral	Limestone
	ML area	121.10ha
Mining Parameters	Quantitative Description	
Method of Mining	Opencast fully mechanized mining	
Total Mineral Resource	17.33 Million Tonnes	
Total Mineral reserves	7.59 Million Tonnes	
Life of mine	19.87 years (~ 20 years)	
Bench Height	6m (Avg)	
Bench Width	working bench width 15 m and at conceptual stage 6 m	

Individual bench slope	85°				
Overall pit slope	45°				
Drilling/Blasting	Hydraulic Drills (dia 100mm) fitted with sharp drill bits will be used. Blasting shall be done by using NONEL system of initiation to reduce vibration and fly rock.				
Transportation details	Excavated limestone will be transported to crusher by haul road through dumpers. Crushed limestone will be further transported to the company's proposed cement plant by road transport in two shift basis.				
Crusher	200 TPH Crusher is proposed to setup near the North-eastern corner of the Block-1.				
RoM output size	50 to 75 mm				
Soil	The soil will be stacked separately over an area of 0.9ha towards the North-eastern corner of Block-1. Topsoil will be used for greenbelt development/ plantation. The waste materials to be generated during the plan period shall be temporarily dumped within the part-2 of Block-1 covering an area of 2.42 ha. Maximum height of the dump shall be kept at 16 m with two terraces of maximum 8m. each. and slope will be maintained at 28°.				
Waste generation	S.No	Particulars	Soil	OB/IB/SB	Reject
	1	Qty to be generated during plan period (Million CuM)	0.043	0.312	-
	2	Quantity to be generated during conceptual period (Million CuM)	0.81	2.49	0.38
	3	Management & Disposal	Stacking at earmarked place and utilized for plantation	Stacking at earmarked place, mine road / ramp development / back filling / Sell out	Blending/ for use in construction & road/To sell out
Nallahs/Natural drains/river	PP submitted that Nallahs/Natural drains/river have already been excluded from the LOI area during auction. One Nallah is flowing in between Block-1 & 2 and drains into River Beehar. Second Nallah is flowing in between Block-3 & 4 and drains into River Beehar outside of Block 4 (about 50 m).				

Electric lines	PP submitted that 3 (three) electric lines are passing through the Lease area which are currently not proposed to be disturbed and 50 m statutory safety barrier has been considered. However, in future the same may be diverted after obtaining necessary permission from the Competent Authority.
Road	PP submitted that a PWD road is passing at 30-50 m along the northern boundary of block 1 (outside ML area) connecting Badarkha village to NH 30. 50 m safety barrier will be left from road. There are unmetalled village road/Cart track/Foot path passing through the block 3 and block 1.
Non-Mining Zone	PP submitted that Nearest habitations are villages Badarkha, Bigodi and Sannehi, Sigt adjacent to the block area and 300 m safety zone from habitation is considered as non-mining zone.
Ultimate Depth of mining	262.79 m AMSL
Mineralized and Non-mineralized area	Out of total 121.10ha, 86.04ha is mineralized and the remaining 35.06ha is non-mineralized

5. Land Area Breakup:

Private land	120.4 ha
Government land	0.7 ha
Total Mining lease area (MLA)	121.10 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

6. Nearest village / town/ highway/railway station / water bodies:

Particulars	Details	Distance & Direction
Nearest Village	Badarkha, Bikodi, Sannehi, Sigt	Adjacent to mine lease
Nearest Town/ City	Rewa	~18 km, NE
Nearest Highway	NH 39 (earlier known as NH 75)	~6.65 km, NE
Nearest Railway Station	Rewa Railway station	~16.5 km, NE
Nearest School	Govt. High School, Sannehi, Bada, Tolla	~1.25 km, NNW
Water Bodies	Beehar Nadi Jamuniha Nallah Patarh Nallah	~ 0.05 km, E ~ 0.8 km, S ~1.5 km, SW

7. Water requirement:

Total water requirement	44.0 KLD	Activity	Requirement per day (KLD)	Estimated Wastewater Generation (KLD)
		Domestic	10	8
		Dust Suppression	20	-

		Plantation	10	-
		Workshop	4	3.2
		Total	44	11.2
Source	Ground water and rainwater collected in mining pit, as and when developed will be utilized in dust suppression and plantation/green belt. Treated wastewater generated from workshop and modular STP will also be utilized in dust suppression and green belt development.			
Permission	PP submitted that the water demand will be met by ground water after obtaining necessary permission from the competent authorities.			

8. The Project Proponent reported that there is no forest land involved in the mine lease area. PP also reported that there are National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger Reserves, and Wildlife Corridors etc. within 10 km radius of the mining lease area. Further, PP also reported that there are 3 Reserve Forests (RFs) within study area which are Mand RF (~3.4 km, NE), Papra RF (~3.6 km, S) and Govindgarh RF (~8.0 km, SE). PP submitted that Mini Zoo at Mukundpur (Maharaja Martand Singh Judeo White Tiger Safari and Zoo) is located at 6.8 km, NE from the proposed mine lease boundary.

9. Green belt/plantation details:

Proposed area for green belt/plantation	34.491 ha
Budget for green plant & plantation till the end of life of mine.	Rs 61 lacs estimated towards Greenbelt/plantation in 12.16 ha area during plan period
Budget for nursery	Nil
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	4.04
50 m safety zone of nallah, roads, electric lines	8.13
Upper most two benches of excavated pit	2.88 ha
Backfilled area	19.451 ha
Proposal during Plan period	PP submitted that during 1 st plan period, Greenbelt will be developed in 7.5 m safety zone along ML boundary of Block -1 and plantation in 50 m safety barrier along electric line in Block -1.

10. Resettlement & Rehabilitation (R&R):

R & R Plan	PP submitted that the mine lease area does not cover any habitation and hence there will be no need of resettlement. Land will be purchased in mutual agreement with the land holders at mutually agreeable rates and terms & conditions.
------------	---

11. Court case details:

Court Case	PP submitted that there is no any Court Cases pending against the project and/or land in which the project is proposed to be set up
------------	---

12. Affidavit and Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP submitted the Affidavit in a e-stamp registered vide Certificate No: IN-DL45559177930099T dated 03.11.2021 that the company has not undertaken any mining activity in the said block and the company will comply with all the the statutory requirement & judgment of Hon'ble Supreme Court dated 2 nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India &Ors.
---	---

13. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Project Cost	Rs 36.53
Employment	35 persons

14. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 41st EAC (Non-Coal Mining) meeting held during 15th to 16th and 18th November, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference for M/s Dalmia Cement (Bharat) Ltd for Proposed Badarkha Limestone Block (Auction block) with Limestone Production Capacity of 0.46 million TPA, Soil: 0.1 million TPA and OB: 0.36 million TPA, Mineral Reject: 0.1 million TPA (Total Excavation 1.02 million TPA) along with 200 TPH capacity of Crusher in the mine lease area of 121.10ha, located at Villages of Badarkha, Bigodi and Sannehi Sigt, Amarpatan Taluka, Satna District, Madhya Pradesh for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:-

- i. The Project Proponent should install the continuous ambient air quality monitoring stations in such numbers as per the scientific study and in consultation with CPCB.
- ii. The project proponent needs to submit the Cost Benefit analysis comparing the current agricultural production and annual turnover including the cost and

- the benefits drawn by the local villages vis-a-vis the mineral cost and beneficiaries.
- iii. The Project Proponent needs to submit the production schedule for each block in a single table for entire life of mine along with the map clearly demarcating the area where mining is proposed with the safety barrier around the habitations, water bodies, roads, electrical line etc.,
 - iv. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
 - v. The Project Proponent needs to ascertain the impact of transportation and details of transportation route viz. (length of the road, type of road, passing through the village or habitation) and mitigative measures to be taken for abatement of pollution due to transportation. As PP has proposed that the transportation route will be passing through the villages, hence PP should also explore the possibility of bypassing the village road for transportation of mineral.
 - vi. The Project Proponent shall change the location of the crusher to be installed from North eastern side to Northwestern side as committed by PP during the meeting. An undertaking in this regard needs to be submitted by PP. PP should also submit mitigation plan along with adequate control measures to be taken for abatement of pollution arising due to operation of crusher.
 - vii. The Project Proponent should submit detailed conceptual plan along with map clearly showing the mitigation measures to be taken for protection of water bodies, Rivers, Nallahs, roads and habitations.
 - viii. The Project Proponent should submit the detailed plantation plan in tabular format (year wise for entire life of mine) with proper capital and recurring cost. PP shall undertake the adequate plantation with the seedling of 10 ft height with at least 90% survival rate and the plantation shall be completed within 3 years from the start of mining operations. The casualties of each year shall be replaced every year with new saplings and such number of saplings shall not be counted in the number of saplings proposed to plant in that year. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies. Undertaking in this regard needs to be submitted by the PP.
 - ix. The Project Proponent needs to clearly bring out the land use/land cover classification of the mine lease area of 121.10 ha along with the ownership of the land.

- x. The Project Proponent shall submit a plan for installing oil water separator with at least 90% efficiency of removing oil from wastewater.
- xi. 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 proper separate budget for the concerns of the local people in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets, infrastructure, and environment protection.
- xii. The Project Proponent should submit the NOC from the Chief Wildlife Warden, Madhya Pradesh at the time of appraisal of EC as the Maharaja Martand Singh Judeo White Tiger Safari and Zoo, is located at 6.8 km, NE from the mine lease.
- xiii. The Project Proponent needs to submit the R&R plan covering all the components viz. number of Project Affected Families (PAF) and details of the land owned by them, break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP need to submit the plan for Socio economic development of the neighbourhood habitats based on the need-based survey along with the time bound action plan.
- xiv. 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.
- xv. 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.
- xvi. The project proponents shall explore the possibility of utilization of treated sewage water / treated effluent from the industries located within 10 Kms, for industrial purpose, in lieu of the ground water and the report on the same shall be submitted along with the EIA/EMP.
- xvii. 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.
- xviii. 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 seeking NoC for ground water withdrawal and the shall submit as part of EIA/EMP report.

- xix. The project proponent shall make an application for NoC to the Central Ground Water Authority (CGWA)/Concerned Local authority, as the case may be, if applicable, the MoEFCC/SEAC may ensure that such application is made.
- xx. The Project Proponent needs to submit the detailed conceptual plan along with map for proposed mining with reclamation plan in the EIA/EMP report.

2.4 Proposal for Terms of Reference of Sri Birat Chandra Dagara of Sulaipat Iron ore mine for expansion of iron ore production from 0.60 MTPA to 2.98 MTPA (ROM) along with mobile crusher and screening plants of capacity 1 x 110 TPH and proposed 300TPH stationary crusher plant, 3 x 200 TPH Mobile Crusher plant and 2 x 150TPH Mobile Screen Plant in the mine lease area of 618.0ha, located at Villages of Hatisikuli, Ukam, Nangalsila, Murumdihi, Khandadera, Karanjharan, Burudihi, Paharbhanga, Tiakati and BhitarmdaHil. Kusumi Tehsil, Mayurbhanj District, Odisha – [File. No: J-11015/278/2009-IA.II(M), Proposal No: IA/OR/MIN/228670/2021, Consultant: Creative Engineers & Consultant - Terms of Reference (ToR)].

EAC Meeting Details:

EAC meeting	41 st
Date of Meeting	15 th to 16 th and 18 th November, 2021

The proposal of Sri Birat Chandra Dagara is for grant of Terms of Reference for Sulaipat Iron ore mine for expansion of iron ore production from 0.60 MTPA to 2.98 MTPA (ROM) along with existing mobile crusher and screening plant of capacity 1 x 110 TPH and proposed 300TPH stationary crusher plant, 3 x 200 TPH Mobile Crusher plant and 2 x 150TPH Mobile Screen Plant in the mine lease area of 618.0ha, located at Villages of Hatisikuli, Ukam, Nangalsila, Murumdihi, Khandadera, Karanjharan, Burudihi, Paharbhanga, Tiakati and BhitarmdaHil. Kusumi Tehsil, Mayurbhanj District, Odisha. The mine lease area is located between Latitude 22°07' 48.33" N to 22°09'22.80" N and Longitude 86°12'16.18"E to 86°14'21.06"E. The mine lease area falls under the Survey of India Toposheet No: 73J/4, 8 and falls in Seismic Zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth.

2. Sri Birat Chandra Dagara has made an online application vide proposal no: IA/OR/MIN/228670/2021 dated 26.10.2021 and submitted Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals

under Category “A” of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Project Proponent submitted that earlier EC obtained vide letter no J-11015/278/2009-IA.II(M) dated 16th September, 2011 for Expansion of Sulaipat Iron Ore Mining Project of Sri B.C Dagra for annual production capacity of 6,00,000tonnes(0.6million tonnes) (ROM) of Iron Ore by the opencast semi-mechanized method involving total mine lease area of 618ha located at village Sulaipat, Tehsil Rairangpur, District Mayurbhanj, Odisha.

4. The Project Proponent submitted that initial Mining lease was granted in favour of Sri BajaranjLalPadia for a period of 25.10.1975 to 24.10.2005. Lease deed executed on 25.10.1975 and registered vide Lease deed no: 3562 on 24.05.1976 in the Office of Sub-Registrar, Rairangpur. Sri BajaranjLalPadia operated for a period of 9 (nine) years from 25.10.1975 - 10.10.1984. Further the mine lease transferred in favour of Sri Birat Chandra Dagara and transfer of lease deed executed on 10.10.1984 and registered vide lease deed no: 515 in the Office of District Sub-Registrar, Baripada on 06.02.1985. PP submitted that the mine lease expired on 24.10.2005. The mining operations continued under deemed extension under Rule 24 (A) (6) of MCR, 1960 from 25.10.2005 to 27.10.2009 in the non-forest area in compliance to the permission granted by the State Govt. through Mining Officer, Baripada. Subsequently, the mine operations were stopped from 27.10.2009 to 16.10.2011 as per the directions of the Mining Officer, Baripada. Further, the mining operations were then resumed on 17.10.2011 over non-forest area only as directed by Mining Officer, Baripada. PP submitted that Supplementary lease deed was executed on 01.07.2019 in favour of Sri Birat Chandra Dagara for the period upto 24.10.2025.

5. The Project Proponent submitted that Modification of Review of Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines vide letter no.No. RMP/A/15-ORI/BHU/2021-22 dated 05.08.2021 for a period of 1 year i.e., 2021-22 to 2022-23 over an area of 618.0ha. The Project Proponent submitted that mining operations will be carried out by open cast fully mechanized method with drilling and blasting. PP reported that the Total Reserves estimated as 11.01 Million Tonnes (As on 01.06.2021) and life of the mine will be 5 years. The bench height will be 10m and width will be >15m. The individual benches will be kept nearly vertical (80°) while overall quarry slope angle will be maintained around 37.5° with horizontal. During the plan period, peak production of 2.98 MTPA will be achieved in the year 2022-23. PP submitted that there are 12 existing pits within the lease area due to existing quarrying operations with the bottom RL ranging from 633-316m RL. The ROM produced from the mines having >45% Fe will be sent to the plot raising area for manual sorting and sizing producing 10-40mm and 40-200mm. The balance ROM will be sent to the mobile screen plants directly for producing 0-5 mm, 5-10

mm, 10-40 mm & 40-200 mm. Presently, a mobile crusher and screening plant of capacity 1 x 110 TPH is operational and proposed to establish a 300TPH stationary crusher plant, 3 x 200 TPH Mobile Crusher plant and 2 x 150TPH Mobile Screen Plant. PP submitted that total generation of waste during ensuing plan period is 91,75,402cu.m which includes 87,92,300 cu.m of side burden and remaining 3,83,102 cu.m of OB/IB. During the plan period, 9,17,702cu.m will be used for road maintenance & balance 82,57,700m³ will be dumped over the proposed 4 dumps within the lease area. 13.07 Mil. Cum of waste will be generated in the conceptual period, out of which 40% i.e., 5.22 m.cum will be utilized for road maintenance and 60% i.e., 7.85 m.cum will be utilized for reclamation of mined out land. PP also submitted that during the entire life of the mine, 20,36,386T of mineral reject will be generated. Out of this, 7,06,582 T will be generated during plan period and remaining 13,29,804 T will be generated during conceptual period. The total quantities of sub grade ore/Mineral Reject shall either be sold directly or will be blended with high grade make it saleable. PP reported that the ultimate depth of mining will reach up to 312m RL from the surface.

6. Land Area Breakup:

Forest land	461.04 ha
Non-Forest land	156.96 ha
Total Mining lease area (MLA)	618.0 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

7. Nearest village / town/ highway/railway station / water bodies:

Particulars	Details	Distance & Direction
Nearest Village	Bhitaramada Murumdihi	Less than 1km, W Less than 1km, N
Nearest Highway	SH-49 NH-6	10 km, W 5.5 km, SE
Nearest Railway Station	Kuldiha Railway Station	3.65 km, NW
Nearest Water body	Kadkai River Kadkai Distributary Kadkai Reservoir	Passing through lease area Passing through lease area Adjacent, E

8. Water requirement:

Total water requirement	438.0 KLD	Drinking water & Domestic	133.0 KLD
		Water sprinkling Dust Suppression	270.0 KLD
		Greenbelt and Plantation	30.0 KLD
		Workshop cum ETP	5.0 KLD
Source	Bore well & Kadkai River		
Permission	NOC for groundwater withdrawal obtained vide Lr no. 21-4(526)/SER/CGWA/2013-845 dated 09.05.2014. Renewal of NOC is under process.		

9. The Project Proponent submitted that the total mine lease area is 618ha, out of which 461.04ha is forest land and remaining 156.96ha is non-forest land. PP submitted that they have obtained Temporary Working Permission granted by MoEF vide F.No 8-47/2005-FC dated 09.12.2011 for iron ore mining in 293.73 ha of forest land already broken up prior to 1980 for a period of one year and then the permission was accorded by the Divisional Forest Officer, Rairangpur allowing mining operation over the broken forest area over 293.73 Ha for a period of one year which was extended for a further period of 3 months i.e., up to 23.03.2013. PP also submitted the Stage-II Forest Clearance obtained vide letter no. F.No.8-47/2005-FC(Pt.) dated 23.01.2018 for renewal of diversion of 360.90ha of forest land including 8.65 ha of forest land for safety zone.

10. The Project Proponent reported that the Simlipal Wildlife Sanctuary is located at a distance of 7.354Km in the south eastern direction. PP submitted the Minutes of 44th meeting of Standing Committee of NBWL vide Lr dated 09.08.2017 wherein the Standing Committee decided to recommend the proposal. Draft Notification declaring Eco Sensitive Zone around Simlipal Tiger Reserve and Hadagarh Sanctuary published vide S.O. 505 (E) dated 29.01.2019 wherein the Eco-sensitive Zone shall be of 1765.29 square kilometers with an extent varying from 0 (zero) kilometer along the important habitation adjoining the boundary on Eastern and South-eastern side of Hadagarh Sanctuary, 500 meters on South and South-western side, 2.0 kilometers around Northern Boundary of the Hadagarh Wildlife Sanctuary boundary and five kilometers from the boundary of the protected area of Similipal Wildlife Sanctuary and rest buffer including corridors of Similipal Tiger Reserve in the State of Odisha.

11. The Project Proponent reported that Schedule I species such as Python, Peacock, Yellow Monitor and Sloth bear found in the study area. Occasionally, elephants are seen. PP submitted the Wildlife conservation plan approved by Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden, Odisha vide memo no.9918/1WL(C)SSP-176/2012 dated 31.12.2014.

12. The Project Proponent submitted that during the plan period, gap filling plantation will be carried out in the safety zone area of 6.20ha and the dump area will be stabilized by means of coir matting. At the end of the life of the mine, an area of 302.81 Ha (about 48.9% of the total lease area) will be covered under vegetation. PP also submitted that in the post mining stage, an area of 559.052Ha (including the backfilled and reclaimed mining area of 276.492Ha) will be covered with plantation and 58.948Ha will be left for public use.

13. The Project Proponent submitted the Consent for Operation issued by the Odisha State Pollution Control Board vide No: 4759/IND-I-CON-1825 dated

23.03.2021 for production of 0.6 MTPA of iron ore along with mobile crusher & screening plant of capacity 1x110 TPH for the period ending up to 31.03.2022 from the date of issue of this order.

14. The Project Proponent continued to operate the mine even after it fell due for renewal in Oct 2005 without obtaining the requisite prior EC under EIA Notification, 1994 and violated the provisions of the Environment (Protection) Act, 1986. The Ministry vide Lr No. J-11015/278/2009-IA.II(M) dated 17.06.2011 directed the Secretary, Department of Environment, Government of Odisha to take action against the above unit by invoking powers under section 19 of the Environment (Protection) Act, 1986 for the period for which the unit had operated without obtaining requisite prior environmental clearance. PP submitted the Affidavit cum declaration dated 29.06.2011 that the violation will not be repeated. PP also submitted the order sheet of the proceedings along with the notice issued from the Court of the Collector, Mayurbhanj, Odisha vide Lr No. BCD/BBS/1632/2011 dated 17.08.2011.

15. The Project Proponent submitted the demand notice issued by the Mining Officer, Baripada Circle vide notice no. 2317/Mines dated 04.09.2017 towards compensation of Rs.35,76,80,075/- for production without EC in pursuant to the Hon'ble Supreme Court order dated 02.08.2017 in CWP no. 114/2014 in the matter of common cause versus Union of India & Ors. Subsequently, a demand notice was raised by the Mining Officer, Baripada Circle vide no.2898/Mines dated 07.11.2017 to pay a sum of Rs. 1,67,60,478/- towards compensation under Section 21(5) of MMDR Act, 1957 for production made in excess of the lower of the approved limits under Mining Plan and Consent to operate. PP has deposited Rs.36,22,66,220/- towards Sulaipat Iron Ore Mine on 09.02.2018 and Rs.1,67,60,478/- on 24.08.2018 towards the above-mentioned demand notices. PP also submitted that mining operations were stopped since 2015-16.

16. Resettlement & Rehabilitation (R&R):

R & R Plan	PP submitted that mining activity in this lease area has been operational for a long time. There is a township/public utility within the lease area which will not be disturbed. Hence, no R&R is involved.
------------	---

17. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Project Cost	24.0
Employment	Existing: 375 persons, Additional: 81 persons

18. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 41st EAC (Non-Coal Mining) meeting held during 15th to 16th and 18th November, 2021. During the meeting, PP informed that the mining activities have been undertaken in the forest land and also not obtained the certified EC Compliance since the grant of EC. The Committee noted that in the earlier EC letter dated 16.09.2011, PP mentioned that proposal has been submitted to the state government to surrender an area of 187.01 ha which is non-mineralized area. The Committee was of the view that the PP did not submitted the current status, whether PP surrendered the area of 187.01 ha and also not submitted that whether 187.01 ha is forest land or non-forest land. The Committee also noted that in EC letter dated 16.09.2011, PP mentioned that no National Park/Wildlife Sanctuary/Biosphere Reserve/Tiger Reserve/Elephant Reserve etc., reported in the core and buffer zone of the mine and submitted a letter from DFO cum Wildlife Warden vide Lr dated 10.06.2010 for the same but now PP submitted that they obtained the recommendation of Standing Committee of NBWL in its 44th Minutes of meeting vide Lr dated 09.08.2017 which is contradictory. Further, the Committee noted that in the EC letter dated 16.09.2011, it was mentioned that forest land is 376.9ha. But, in the instant proposal, PP submitted that out of the total mine lease area of 618.0ha out of which 461.04ha is forest land and remaining 156.96ha is non-forest land. PP submitted that Temporary Working Permission was granted by MoEF vide F.No 8-47/2005-FC dated 09.12.2011 for iron ore mining in 293.73 ha of forest land already broken up prior to 1980 for a period of one year and then the permission was accorded by the Divisional Forest Officer, Rairangpur allowing mining operation over the broken forest area over 293.73 Ha for a period of one year which was extended for a further period of 3 months i.e., up to 23.03.2013. PP obtained Stage-II Forest Clearance vide letter no. F.No.8-47/2005-FC(Pt.) dated 23.01.2018 for renewal of diversion of 360.90ha of forest land including 8.65 ha of forest land for safety zone. The Committee noted that there is ambiguity in the submission made by the PP/Consultant w.r.t. mine lease area, forest clearance and wildlife clearance. The Committee warned both the PP and Consultant to ensure that document submitted online should be complete and correct in all aspects. Therefore, the Committee **deferred** the proposal and was of the view that the proposal may be considered only after submission of the following additional information: -

- i. The Project Proponent needs to submit the details of the already established beneficiation plant if any, within the lease area. PP needs to clarify whether the existing beneficiation plant is a part of earlier EC dated 16.09.2011 or PP is proposing to establish new beneficiation plant. The present proposal has been submitted for 1(a) Mining of Minerals only. In case of new beneficiation plant, PP needs to apply a fresh proposal under 1(a) Mining of Minerals & 2(b) Mineral Beneficiation.

- ii. The Project Proponent shall submit the existing total extent of mine lease area and also needs to clarify whether the mine lease area has been reduced from 618.0ha to 430.99ha? If so, PP needs to submit the proof of documents for surrendered area duly authenticated by the State Government regarding the surrender of the mine lease area and if changes made by the PP in the surrender area the same needs to be clearly demarcate in the KML file.
- iii. The Project Proponent shall submit the latest EC compliance report certified by the IRO, Bhubaneswar.
- iv. The Project Proponent submitted that they have obtained Temporary Working Permission granted by MoEF vide F.No 8-47/2005-FC dated 09.12.2011 for iron ore mining in 293.73 ha of forest land already broken up prior to 1980 for a period of one year and then the permission was accorded by the Divisional Forest Officer, Rairangpur allowing mining operation over the broken forest area over 293.73 Ha for a period of one year which was extended for a further period of 3 months i.e., up to 23.03.2013. PP obtained Stage-II Forest Clearance vide letter no. F.No.8-47/2005-FC(Pt.) dated 23.01.2018 for renewal of diversion of 360.90ha of forest land including 8.65 ha of forest land for safety zone. Hence, PP shall submit the proof of documents obtained from the DFO for an extension of T.W.P after one year and other relevant documents in this regard.
- v. The Project Proponent needs to submit the KML file along with the land use map clearly demarcating the forest land and non-forest land and the mined-out area in the forest and non-forest land within the mine lease area. PP also needs to justify the reason for increase in forest land along with supporting document and its status of Forest clearances along with the proof of documents from the inception of the mine lease area.
- vi. The Project Proponent mentioned that the Simlipal Wildlife Sanctuary is located at a distance of 7.354 km, SE, however, PP mentioned that no wild life sanctuary is located within 10 km during appraisal of earlier EC dated 16.09.2011 and thereafter obtained the recommendation of Standing Committee of NBWL in its 44th Minutes of meeting vide Lr dated 09.08.2017. But in Form1, PP mentioned that application for Wildlife Clearance yet to be submitted.Hence, PP needs to clarify the same and shall bring out the fact why it has mentioned that there is no wild life sanctuary in the earlier EC dated 16.09.2011. PP also needs to submit the copy of the Wildlife Clearance obtained for Simlipal Wildlife Sanctuary if any.
- vii. The Committee noted that Villages such as Nangalsila, Burudihi&Tiakati covering the mine lease area falls under Eco-Sensitive Zone of Similipal-

Hadagarh Wildlife Sanctuary as per Ministry's Draft Notification vide S.O. 505 (E) dated 29.01.2019. Hence, PP needs to submit the details of the villages involved in the Mine lease area if any located within the Eco Sensitive Zone.

- viii. The Committee noted that the as per KML file presented by the PP during the meeting, part of the mine lease area falls into Sulaipat Dam nearby. Hence, PP needs to submit the actual distance of the Sulaipat Dam from the mine lease area and other water bodies such as nallahs, canal, rivers etc.,
- ix. The Project Proponent needs to submit the Past production details duly authenticated by Department of Steel and Mines, State Govt. along with Annexure-III.
- x. The Project Proponent needs to submit the normative and peak total excavation in tonnes including mineral, overburden, inter-burden, waste, topsoil, rejects etc. to be handled annually and the management of topsoil and waste needs to be properly addressed. The mineable reserves, blocked reserves need to be mentioned along with the life of mine. Waste to be generated during the entire life of mine and details of the location of dumping/backfilling area need to be submitted.
- xi. The Project Proponent needs to submit the copy of CTE/CTO since the inception of the mine.
- xii. The Project Proponent needs to submit the Affidavit as per Ministry's OM dated 30.05.2018.
- xiii. The Project Proponent shall submit all the lease related details along with the supporting documents in a chronological manner since inception of mine i.e. 25.10.1975 which should include initial grant of lease, transfer of lease, execution of lease deed, extension of lease, discontinuances of mining operation, resumption of mining of operation after discontinuances etc and reasons thereof.
- xiv. The Project Proponent shall submit the details of the Approved mining plan since inception of the mine.
- xv. As the base year (1993-94) production was enhanced in the year 1995-96, the Project Proponent shall inform whether the EC was obtained during this juncture and PP shall submit the copy of the EC if obtained any. PP should also submit the copy of subsequent fresh/amendment/expansion in EC obtained if any.

2.5 Proposal for Terms of Reference of M/s Zuari Cement Ltd for Sitapuram Limestone (ML-2) for production of 3.0 MTPA of Limestone in the mine lease area of 558.71ha, located at Villages of Dondapadu&Revuru, ChintalapalemMandal, Suryapet District, Telangana – [File. No: J-11015/174/2005-IA.II (M), Proposal No: IA/TG/MIN/235087/2021] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	41 st
Date of Meeting	15 th to 16 th and 18 th November, 2021

The proposal of M/s Zuari Cement Ltd is for grant of Terms of Reference for Sitapuram Limestone (ML-2) for production of 3.0 MTPA of Limestone in the mine lease area of 558.71ha, located at Villages of Dondapadu&Revuru, ChintalapalemMandal, Suryapet District, Telangana. The mine lease area is located between Latitude: 16°48'53.24"N to 16°49'37.71"N and Longitude: 79°58'16.50"E to 80° 2'11.54"E. The mine lease area falls under the Survey of India Toposheet No: 56 P/13 & 65D/1 and falls in Seismic Zone-II.

2. The Project Proponent earlier applied for Terms of Reference as a single application for both the mine leases ML-1 & ML-2 (combined lease area-1336.03ha) vide online proposal no. IA/TG/MIN/81043/2018 dated 02.10.2018 under Ministry's Notification dated S.O 1530 (E) dated 06.04.2018. Then, the Ministry vide Lr IA-J-11015/1/2019-IA-II(M) dated 08.08.2019 directed the PP to apply in Form-1 separately for each mining lease for taking necessary action on the proposals. In this regard, PP again applied for ToR vide proposal no: IA/TG/MIN/117862/2019 dated 13.09.2019 for ML-2, 558.71ha. Then, the proposal was placed in the 10th EAC Meeting held during October 21-22, 2019 wherein the Committee observed that EC in the instant case was granted on 04.04.2006 for a production capacity of 0.03 million Tonne /Annum. On the same date Ministry vide Lr No. vide Lr No J-11015/63/2003-IA.II(M) dated 04.04.2006 issued corrigendum in the EC granted vide letter No J-11015/63/2003-IA.II(M) dated 09.05.2005 to another mining lease (ML-1 770.23 Ha) of the same PP. In the said corrigendum the Ministry restricted the maximum combined production from both the mining lease (ML-1: 770.09 Ha & ML-2: 558.94 Ha) to 3.0 million Tonne. This means that the production from ML-2 is 0.03 MTPA and Production from ML-1 should not be more that 2.97 million TPA. But from the past production submitted by the PP, it was observed that the base year production 1993-94 was 8000 TPA and the same has been increased to 20000 TPA in the year 1994-95 on words at this stage PP was required to obtain EC but PP obtained EC on 04.04.2006 for 30000 TPA. Further, after grant of EC, PP has increased the production over and above the approved EC capacity without obtaining expansion in the Environmental Clearance. The Mining without EC and in

excess of EC capacity is a violation in pursuant to Ministry Notification S.O. 804(E) dated 14.03.2017 and also violation as per Hon'ble Supreme Court Judgment dated 02.08.2017. Being a violation proposal, the Committee did not consider the proposal and ask the Ministry to take suitable action as applicable. The Committee therefore return the proposal in present form.

3. Then, the Project Proponent vide email dated 20.10.2021 requested the NIC to reopen the proposal to submit the additional details sought by the EAC in its Meeting held during October 21-22, 2019. The NIC vide email dated 20.10.2021 informed the PP that no further action can be taken on this proposal as per the workflow and requested to apply a fresh application. In view of the above, PP submitted a fresh application for Terms of Reference vide proposal no: IA/TG/MIN/235087/2021 dated 21.10.2021 and submitted Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

4. The details of the previous Environmental Clearance (EC) are furnished as below:

Date of application	Proposal/ F. No	Consideration	Details	Date of accord
24.03.2005	IA/AP/MIN/21523/1910	-	Production capacity of 30,000 tonnes (0.030 MTPA) of limestone involving lease area of 558.94 ha in favour of M/s Sri Vishnu Cements Limited under the EIA Notification, 1994 wherein it is specifically mentioned that <i>i. The maximum combined production from both the mining leases (ML-1: 777.09ha and ML-2: 558.94ha) shall not exceed 3.0 million tonnes per annum.</i>	04.04.2006
18.09.2010	J-11015/63/2003-IA.II(T)	-	Transfer of EC granted to M/s Sri Vishnu Cements Limited in the name of M/s Zuari Cements Limited	17.02.2011

5. Details of Mine lease:

S.no	Lease particulars	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Initial grant of mining lease vide G.O. Ms no. 212 in the name of M/s Vishnu Cements Ltd	15.06.1992	Limestone	20 years (12.11.1992 to 11.11.2012)	Govt., of Andhra Pradesh	Ac. 1380.23 gts
2	Transfer of Mining lease held by M/s Sri Vishnu Cements Ltd to M/s Zuari Cements Limited vide G.O. Ms no. 68	09.07.2010	Limestone	12.11.1992 to 11.11.2012	Govt., of Andhra Pradesh	Ac. 1380.23 gts
3	Extension of lease period vide G.O. Ms no. 17	07.03.2018	Limestone	12.11.1992 to 11.11.2042	Govt., of Telangana	Ac. 1380.23 gts (558.71 ha)

6. Details of executed Mine leases.

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed	12.11.1992	11.11.2012	Proceedings No. 2205/M2/1992, dated 12.11.1992 in the name of M/s Sri Vishnu Cements Ltd
2	Transfer of lease in favour of M/s Zuari Cements Limited	12.11.1992	11.11.2012	Proceeding No. 3616/M/2010 dated 02.09.2010 w.e.f. 12.11.1992 for the un-expired period of original lease i.e., up to 11.11.2012

7. Details of Mine Plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Modified Mining Plan (including Progressive Mine Closure Plan)	No. AP/NLG/MP/Lst-211Hyd	09.12.2016	2017-18 to 2021-22	ML-2, 558.71ha, 0.6 MTPA

8. The Project Proponent submitted that the mining operations will be carried out by fully mechanized method of mining. PP reported that the estimated total mineable reserve is about 3,09,60,300 Tonnes which will sustain during the five-year plan period. The proposed bench height will be 9m and width of the bench will be three times the dumper during working and at the conceptual stage bench height and width will be 9m and 6m respectively. The benches shall be sloped at 84° to the horizontal. Overall Pit Slope will be 60°. The blasted Limestone will be loaded by Hydraulic excavator with a bucket capacity of 0.9 cu.m and transported by dumpers of 30 Tonne capacity to crusher installed within the lease area for crushing. PP also reported that the recovery of limestone is considered as 100% and there will be no waste generation. PP reported that the ultimate depth of the mining will be 30m and ground water level is found at a depth of 45m bgl. PP submitted that limestone deposits are found at a depth of 60m in nearby limestone mines and hence after detailed exploration, ultimate depth shall reach up to 60m. In initial EC dated 04.04.2006, ultimate working depth restricted to 40m bgl and no mining will be carried out below this level.

9. Land Area Breakup:

Private land	558.18 ha
Government waste land	0.53 ha
Total Mining lease area (MLA)	558.71 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

10. Nearest village / town/ highway/railway station / water bodies:

Particulars	Details	Distance & Direction
Nearest Village	Dondapadu	Adjacent to mine site, E
Nearest Town/ City	Jaggyapeta	8.6 km, NE
Nearest Highway	NH -9 Vijaywada- Hyderabad	11.4 km, NE
Nearest Railway Station	Bona Kalu Railway station	32 km, NE
Nearest School	Govt. High School, Revuru	Adjacent to mine site, N
Nearest Temple	VenugopalaSwamy Temple, Revuru	Adjacent to mine site, N

	VeerabramhendraSwamyTemple, Revuru	Adjacent to mine site, N
Nearest Hospital	Zuari Hospital Revuru Primary Health Centre	Adjacent to mine site, N Adjacent to mine site, N
Nearest Water body	Krishna River	3.9 km, E

11. Water requirement:

Total water requirement	50.0 KLD	Domestic	4.0 KLD
		Dust Suppression	25.0 KLD
		Plantation	19.0 KLD
		Workshop	2.0 KLD
Source	Tube well for drinking and Rainwater stored in pit for dust suppression and green belt development.		

12. The Project Proponent reported that there is no forest land involved in the mine lease area. PP also reported that there are National Parks, Wild Life Sanctuaries, Biosphere Reserves, Tiger Reserves, and Wildlife Corridors etc. within 10 km radius of the mining lease area. Further, PP also reported that Venkatayapalem Reserve Forest is located at a distance of 6.5 km, SE from the mine lease area.

13. The Project Proponent submitted that during the plan period, it is proposed to plant 4640 nos. of saplings along the entire lease boundary covering an area of 2.32ha with saplings such as Chakunda, Acacia, Guava, Neem and Jamun.

14. The ProjectProponent submitted that the Consent for Establishment issued by the Andhra Pradesh Pollution Control Board vide Order No: APPCB/PTN/NGL/161/HO/2003/106/2691 dated 05.01.2004 for both ML-1 & ML-2. PP also submitted the Consent to Operate issued by the Telangana State Pollution Control Board vide Order No: TSPCB/CFO/NLG/HO/2016-2386 dated 06.12.2016 for both ML-1:777.09 ha & ML-2: 558.94 ha for a production of 8333 TPD (or) 3.0 million TPA of Limestone for the period ending with 31.12.2021.

15. Resettlement & Rehabilitation (R&R):

R & R Plan	PP submitted that the mine lease area does not involve any human settlements and no humans will be displaced and hence the project does not involve any resettlement and rehabilitation.
------------	--

16. Court case details

Court Case	PP submitted that there is no any Court Cases pending against the project and/or land in which the project is proposed to be set up
------------	---

17. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Project Cost	Rs 0.246
Employment	16 persons

18. The Project Proponent submitted that the mine was initially commenced on 09.11.1993. In the instant case, PP obtained EC on 04.04.2006 for a production capacity of 0.03 million Tonne /Annum. On the same date Ministry vide Lr No. J-11015/63/2003-IA.II(M) dated 04.04.2006 issued corrigendum in the EC granted vide letter No J-11015/63/2003-IA.II(M) dated 09.05.2005 to another mining lease (ML-1 770.23 Ha) of the same PP. In the said corrigendum the Ministry restricted the maximum combined production from both the mining lease (ML-1: 770.09 Ha & ML-2: 558.94 Ha) to 3.0 million Tonne. This means that the production from ML-2 is 0.03 MTPA and Production from ML-1 should not be more that 2.97 million TPA. PP also submitted the past production details for the period 1993-94 to 2018-19 and as per the submission of past production details it was observed that the base year production 1993-94 was 8,000 TPA and the same has been increased from 1994-95 till 2006-07 beyond the 8,000 TPA without obtaining EC. PP obtained EC on 04.04.2006 for 30,000 TPA. Further, after grant of EC, PP has increased the production over and above the approved EC capacity without obtaining expansion in the Environmental Clearance. The mining without EC and in excess of EC capacity is a violation in pursuant to Ministry Notification S.O. 804(E) dated 14.03.2017 and also violation as per Hon'ble Supreme Court Judgment dated 02.08.2017. PP also submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing K 362449 dated 17.06.2019 that the company will comply with all the the statutory requirements & 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 &Ors.

19. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 41st EAC (Non-Coal Mining) meeting held during 15th to 16th and 18th November, 2021. During the meeting, the Committee deliberated on the submission made by the PP. After detailed discussion, the Committee reiterated the view taken by the Committee in earlier EAC meeting held during October 21-22, 2019 that EC in the instant case was granted on 04.04.2006 for a production capacity of 0.03 Million Tonne /Annum. On the same date Ministry vide Lr No. J-11015/63/2003-IA.II(M) dated 04.04.2006 issued corrigendum in the EC granted vide letter No J-11015/63/2003-IA.II(M) dated 09.05.2005 to another mining lease (ML-1 770.23 Ha) of the same PP. In the said corrigendum the Ministry restricted the maximum combined production from both the mining lease (ML-1: 770.09 Ha & ML-2: 558.94 Ha) to 3.0 Million Tonne. This means that the production from ML-2 is 0.03 MTPA and Production from ML-1 should not be

more than 2.97 Million TPA. But from the past production submitted by the PP it is observed that the base year production 1993-94 was 8,000 TPA and the same has been increased from the year 1994-95 till 2006-07. At this stage PP was required to obtain EC but PP obtained EC on 04.04.2006 for 30,000 TPA. Further, after grant of EC on 04.04.2006, PP has increased the production over and above the approved EC capacity without obtaining expansion in the Environmental Clearance. The Mining without EC and in excess of EC capacity is a violation in pursuance to Ministry Notification S.O. 804(E) dated 14.03.2017 and also violation as per Hon'ble Supreme Court Judgment dated 02.08.2017. Being a violation proposal, the Committee did not consider the proposal and ask the Ministry to take suitable action as per section 19 of E(P) A, 1986. The Committee also noted that the Consultant (M/s Green Circle, INC) having the NABET accreditation till 14.07.2021 only and Consultant has not submitted copy of extension of accreditation validity to the Ministry. The Committee also informed to PP that the SOP on 07.07.2021 was issued by the Ministry for identification and handling of violation cases under EIA, 2006 and the same has been stayed by the Madurai bench of Hon'ble High Court of Madras vide order dated 15.07.2021. Therefore, the Committee **returned the proposal in present form** and was of the view that PP should approach Ministry after the final adjudication of the Hon'ble High Court.

Day 3: 18th November, 2021 (Thursday)

3.1 Proposal for Environmental Clearance of Granite Building Stone Quarry of Shri Ananthu Sunil over an area of 3.6153 Hectares in Block No.29, Survey No.231pt (Govt.Land) located Konnathadi Village of Idukki Taluk and Idukki District, Kerala - [Proposal no: IA/KL/MIN/231351/2021; File No. IA-J-11015/78/2021-IA-II(NCM); Consultant: SBA Enviro Systems Private Limited] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposed Granite Building Stone Quarry of Mr. Ananthu Sunil at Block No.-29, Survey No. 231part (Govt. Land) at Konnathady Village of Idukki Taluk, Idukki District, Kerala	
Location	Village	Konnathady
	Tehsil/Taluka	Idukki
	District	Idukki
	State / UT	Kerala
	Latitudes	N09°54'47.03"
	Longitudes	E077°05'48.76"
	SoI Topo sheet	58 G/01

	No.	
Company's Name	Mr. Ananthu Sunil	
Accredited Consultant and certificate no.	SBA Enviro Systems Pvt. Ltd. NABET/EIA/2023/RA 0198	
KML file	Submitted	
Seismic zone	Zone-III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	3.6153 ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. EC Details:

EC Proposal No.	IA/KL/MIN/231351/2021
Online application date	05.10.2021
EAC meeting date	18.11.2021
Production capacity	2,47,925 TPA
Waste	48110 MT
Total Excavation	9,62,200 MT
EIA/EMP uploaded on	05.10.2021

5. Lease Details:

Letter of Intent	Letter No.	2564/M32020
	Date	02.03.2021
Validity of mine lease	-	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	DOI/29/M/2020
	Date	16.04.2021
	Validity	16.04.2026
Mining Parameters	Quantitative Description	
Bench Height	5	
Bench Width	5	
Method of Mining	Open cast semi-mechanized	
Individual bench slope	65 ⁰	
Overall pit slope	65 ⁰	
Drilling/Blasting	The nature of the rock is mainly hard to medium in nature. Hence drilling and blasting is required to dislodge / loosen the material from the main rock mass.	
RoM output size	2,47,925 TPA	
Life of mine	5 years	

Transportation details	Transportation of rocks shall be done by Tippers of 10 - 20Tonnes capacity.
------------------------	---

7. Land Area Breakup:

Private land	3.6153
Government land	Nil
Total Mining lease area (MLA)	3.6153

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". The Committee also noted that the project proponent has submitted project activity as 8(a) instead of 1(a) for Mining of Mineral in form II. Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.2 Proposal for Environmental Clearance for the Building Stone Mine Quarry (Minor Mineral Mining) project of M/s Malabar Sand and Stones Pvt. Ltd. over an area of 0.9794 ha located at Block No. 65, in Re-survey No. 1 at Udayagiri Village, Taliparamba Taluk, Kannur District, Kerala - [Proposal no: IA/KL/MIN/236043/2021; File No. IA-J-11015/89/2021-IA-II(NCM); Consultant: M/s Environmental Engineers & Consultants Pvt. Ltd.] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposal for the Building Stone Mine Quarry (Minor Mineral Mining) project of M/s Malabar Sand and Stones Pvt. Ltd.	
Location	Village	Udayagiri Village
	Tehsil/Taluka	Taliparamba
	District	Kannur
	State / UT	Kerala
	Latitudes (N)	12 ^o 14'43.27" to 12 ^o 14'46.81"
	Longitudes (E)	75 ^o 27'31.38" to 75 ^o 27'36.32"
	SoI Topo sheet No.	D43V7 & D43V8
Company's Name	M/s Malabar Sand and Stones Pvt. Ltd.	
Accredited Consultant	Accredited Consultant:-	

and certificate no.	M/s Environmental Engineers & Consultants Pvt. Ltd. <u>Certificate no. :-</u> NABET/EIA/2023/RA 0196 dated 01-03-2021
KML file	Attached
Seismic zone	III

3. Category details:

Category of the project	Category “B”, Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	0.9794 hectare
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	EC Proposal No. IA/KL/MIN/236043/2021
Online application date for Form-I	28-10-2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan, Cluster Certificate.
EAC meeting date	18 th November, 2021
Production capacity	35,052.50 MTA (Max.)
Top Soil	13,131.20 MT
Waste (OB)	6,565.60 MT
Total Excavation	1,36,222.50 MT (Mineable Reserve)
EIA/EMP uploaded on	28-10-2021

5. Lease Details:

Letter of Intent	Letter No.	DOC/M-1249/19 dated 13-06-2019
	Date	13-06-2019

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG) – Approved by DMG	Letter No.	DOC/M-1249/2019
	Date	24-07-2019
	Validity	5 Years
Mining Parameters	Quantitative Description	
Bench Height	5 meters	
Bench Width	5 meters	
Method of Mining	Open Cast mining	
Individual bench slope	72 ^o	
Overall pit slope	45 ^o	
Drilling/Blasting	Drilling: Multiple blast holes of 1.5 to 2.5 m depth will be drilled with the help of 32 mm drill rod, Jack Hammer and Air Compressor of 100 cfm capacity.	

	<u>Blasting:-</u> The controlled blasting through “ <i>NONEL</i> ” blasting technique using Nitrate Mixture as explosive is proposed by adopting all the safety measures.
RoM output size	48,183.70 MT
Life of mine	About 5 years
Transportation details	Vehicles will be engaged for transfer of mined out material and about 7-8 trip of 15 T capacity tipper / dump will be utilized for transporting the mineral on daily basis.
Dumpers capacity	15 MT

7. Land Area Breakup:

Private land	0.9794 hectare
Government land	Nil
Total Mining lease area (MLA)	0.9794 hectare.
Private land for crusher, workshop & other infrastructure outside the MLA	2.3271 hectare.

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry’s Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.3 Proposal for Environmental Clearance for Laterite Building Stone Quarry of Shri BobyC over an area of 0.1244ha located at Survey No: 272/1 of Village, Pattambi Taluk, Palakkad District, Kerala - [Proposal no: IA/KL/MIN/235344/2021; File No. IA-J-11015/79/2021-IA-II(NCM); Consultant: SBA Enviro Systems Private Limited] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Laterite Building Stone Quarry of Shri BobyC over an area of 0.1244 ha	
Location	Village	Pattithara
	Tehsil/Taluka	Pattambi
	District	Palakkad
	State / UT	Kerala

	Latitudes (N)	10 ⁰ 46'25.84" to 10 ⁰ 46'26.98" N
	Longitudes (E)	76 ⁰ 5'5.26" to 76 ⁰ 5'7.34" E
	SoITopo sheet No.	272/1
Company's Name	Shri Boby C	
Accredited Consultant and certificate no.	SBA ENVIRO SYSTEMS PVT LTD NABET/EIA/2023/RA 0198	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	0.1244 ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	IA/KL/MIN/235344/2021
Online application date for Form-II	29-10-2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan
Production capacity	13062 MTPA

5. Lease Details:

Letter of Intent	Letter No.	DOP/766/2021/A1
	Date	13-09-2021

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	DOP/766/2021/A1
	Date	11 Oct 2021
	Validity	-
Mining Parameters	Quantitative Description	
Bench Height	1.5 meters	
Bench Width	1.5 meters	
Method of Mining	Open cast semi mechanized mining	
Drilling/Blasting	No	
Life of mine	3 years	

7. Land Area Breakup:

Private land	0.1244 ha
Government land	Nil
Total Mining lease area (MLA)	0.1244 ha

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". The Committee also noted that pre-feasibility report is not as per EIA Notification S.O. 1533 (E), dated 14th September 2006. Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.4 Proposal for Environmental Clearance for Granite Building Stone Quarry of Shri SajeerMoyin over an area of 4.7425 hectares located at Survey Number 323/1-3, 323/1-4, 323/1-11 & 323/1-12 at Thiruvali Village, Nilambur Taluk, Malappuram District, Kerala - [Proposal no: IA/KL/MIN/235025/2020; File No. IA-J-11015/80/2021-IA-II(NCM); Consultant: Ultratech Environmental Consultancy] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Granite Building Stone Quarry of Shri SajeerMoyin over an area of 4.7425 hectares	
Location	Village	Thiruvali
	Tehsil/Taluka	Nilambur
	District	Malappuram
	State / UT	Kerala
	Latitudes (N)	11°10'57.01"N to 11°11'7.88"N
	Longitudes (E)	76°13'14.47"E to 76°13'22.16"E
	SoI Topo sheet No.	58A/4
Company's Name	Shri SajeerMoyin	
Accredited Consultant and certificate no.	ULTRATECH Environmental Consultancy NABET/EIA/1720/SA094	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	4.7425 hectares

Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist
--------------------------------	--

4. ToR/EC Details:

EC Proposal No.	IA/KL/MIN/235025/2020
Online application date for Form-II	22-10-2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan
Average annual production	176878.6 MT
Total production capacity	3537572 MT

5. Lease Details:

Letter of Intent	Letter No.	4144/M3/2019
	Date	30/05/2019

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	DOZ/M-794/2020
	Date	24/02/2020
	Validity	-
Mining Parameters	Quantitative Description	
Bench Height	5 meters	
Bench Width	6 meters	
Method of Mining	Open cast semi-mechanized mining	
Drilling/Blasting	Machineries like tractor mounted compressor attached with jack hammers is proposed for drilling and blasting	
Life of mine	About 20 years	

7. Land Area Breakup:

Private land	4.7425 Ha
Government land	Nil
Total Mining lease area (MLA)	4.7425

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent submitted the Letter of Intent dated 30.05.2019 which was valid till 29.05.2020. Project proponent needs to submit the valid LOI. The Committee also noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.5 Proposal for Environmental Clearance for Granite Building Stone Quarry

of Shri Ashraf P, for an extent of 2.3203 Ha located at Re.Survey No: 172 of Kodyathur Village, Kozhikode Taluk, Kozhikode District, Kerala - [Proposal no: IA/KL/MIN/233633/2021; File No. IA-J-11015/81/2021-IA-II(NCM); Consultant: SBA Enviro Systems Private Limited] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Granite Building Stone Quarry of Shri Ashraf P, for an extent of 2.3203 Ha	
Location	Village	Kodyathur
	Tehsil/Taluka	Kozhikode
	District	Kozhikode
	State / UT	Kerala
	Latitudes	11° 17'32.71"N to 11° 17'39.33"N
	Longitudes	76°2'44.82"E to 76°2.48.95" E
Company's Name	Shri Ashraf P	
Accredited Consultant and certificate no.	SBA Enviro Systems Pvt Ltd QCI/NABET/ENV/ACO/21/1640	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	2.3203 Ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	IA/KL/MIN/233633/2021
Online application date for Form-II	20-10-2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan
Total production capacity	2,23,382.065 MT

5. Lease Details:

Letter of Intent	Letter No.	11226/M3/2017
	Date	14/02/2018

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	DOZ/M-2404/17
	Date	09 Apr 2018
	Validity	-

Mining Parameters	Quantitative Description
Bench Height	5 meters
Bench Width	6 meters
Method of Mining	Open cast semi-mechanized mining
Drilling/Blasting	Machineries like tractor mounted compressor attached with jack hammers is proposed for drilling and blasting
Life of mine	10 years

7. Land Area Breakup:

Private land	2.3203 Ha
Government land	Nil
Total Mining lease area (MLA)	2.3203 Ha

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". The Committee also noted that the project cost differs in form II and PFR. Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.6 Proposal for Environmental Clearance of Granite Building Stone Quarry of M/s Morayoor Granites Private Limited, for an extent of 4.9797 Ha located at Re Survey No.152/1-1, 152/1, 159/1-1, 159/1-2, 159/1-3, 160/1-1, 160/1-2, 160/1-3, 160/1-4, Re Survey Block No. 56 of Morayur Village, Kondotty Taluk, Malappuram District, Kerala - [Proposal no: IA/KL/MIN/232178/2021; File No. IA-J-11015/82/2021-IA-II(NCM); Consultant: SBA Enviro Systems Private Limited] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Granite Building Stone Quarry of M/s Morayoor Granites Private Limited, for an extent of 4.9797 Ha	
Location	Village	Morayur
	Tehsil/Taluka	Kondotty
	District	Malappuram
	State / UT	Kerala
	Latitudes	11°06'25.44"N to 11°06'40.96"N

	Longitudes	76°0'36.26"E to 76°0'43.68"E
Company's Name	M/s Morayoor Granites Private Limited	
Accredited Consultant and certificate no.	SBA ENVIRO SYSTEMS PVT LTD QCI/NABET/ENV/ACO/21/1640	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	4.9797 Ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	IA/KL/MIN/232178/2021
Online application date for Form-II	01-10-2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan
Total production capacity	157669.4 MTA

5. Lease Details:

Letter of Intent	Letter No.	4072/M3/2019
	Date	30.05.2019

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	DOM/M-4211/2018
	Date	21 July 2021
	Validity	-
Mining Parameters	Quantitative Description	
Bench Height	5 meters	
Bench Width	5 meters	
Method of Mining	Semi mechanized method of open cast quarrying	
Drilling/Blasting	Yes	
Life of mine	10 years	

7. Land Area Breakup:

Private land	4.9797 Ha
Government land	Nil
Total Mining lease area (MLA)	4.9797 Ha

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed

deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". The Committee also noted that the project proponent has mentioned category 'A' in form II. Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.7 Proposal for Environmental Clearance of Building Stone Minor Mineral (Quarry) project of M/s Mattathil Mines and Developers (P) Ltd. for an area of 3.9149 hectares located at Re-Survey Nos. 898, 899/1, 899/2, 896/1, 896/2, 897/1 at Kodassery Village, Chalakudy Taluk, Thrissur District, Kerala- [Proposal no: IA/KL/MIN/232046/2019; File No. IA-J-11015/83/2021-IA-II(NCM); Consultant: M/s Environmental Engineers & Consultants Pvt. Ltd.] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposal for the Building Stone Mine Quarry (Minor Mineral Mining) project of M/s Mattathil Mines and Developers (P) Ltd.	
Location	Village	Kodassery Village
	Tehsil/Taluka	Chalakudy
	District	Thrissur
	State / UT	Kerala
	Latitudes (N)	10°20'56.63" to 10°21'1.93"
	Longitudes (E)	76°23'21.20" to 76°23'28.45"
	SoI Topo sheet No.	C43K07 (Old No. 58B/7)
Company's Name	M/s Mattathil Mines and Developers Pvt. Ltd.	
Accredited Consultant and certificate no.	M/s Environmental Engineers & Consultants Pvt. Ltd. NABET/EIA/2023/RA 0196 dated 01-03-2021	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	3.9149 ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	Proposal No. IA/KL/MIN/232046/2019
Online application date for Form-I	30.09.2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan, Cluster Certificate.
EAC meeting date	18 th November, 2021
Production capacity	1,35,000 MTA (Max.)
Top Soil	25,055 cu.m.
Waste (OB)	15,660 cu.m.
Total Excavation	11,79,890 MT
EIA/EMP uploaded on	30.09.2021

5. Lease Details:

Letter of Intent	Letter No.	4491/M3/2019
	Date	22.05.2019

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	1758/C2/TDO/2019
	Date	15-07-2019
	Validity	10 years
Mining Parameters	Quantitative Description	
Bench Height	5 meters	
Bench Width	5 meters	
Method of Mining	Open Cast	
Individual bench slope	72 ^o	
Overall pit slope	45 ^o	
Drilling/Blasting	<p>Drilling: Multiple blast holes of 1.5 to 2.5 m depth will be drilled with the help of 32 mm drill rod, Jack Hammer and Air Compressor of 100 cfm capacity.</p> <p>Blasting:- The controlled blasting through “NONEL” blasting technique using Nitrate Mixture as explosive is proposed by adopting all the safety measures.</p>	
RoM output size	1,55,862 MT	
Life of mine	About 10years	
Transportation details	Vehicles will be engaged for transfer of mined out material and about 4-5 trips of 15 T capacity tipper / dump will be utilized for transporting the mineral on per hour basis.	
Dumpers capacity	15 MT	

7. Land Area Breakup:

Private land	3.9149 Ha.
Government land	Nil
Total Mining lease area (MLA)	3.9149 Ha.
Private land for crusher, workshop & other infrastructure outside the MLA	Total area in possession = 4.0676 ha.

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.8 Proposal for Environmental Clearance of Building Stone Minor Mineral (Quarry) Project of Shri Sachu Rajan Eapen for an area of 8.0140 Hectare situated at Block 30, Re-Survey No. 55 of Koodal Village, Kalanjoor Panchayat, Konni Taluk, Pathanamthitta District, Kerala- [Proposal no: IA/KL/MIN/231862/2019; File No. IA-J-11015/84/2021-IA-II(NCM); Consultant: M/s Environmental Engineers & Consultants Pvt. Ltd.] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposal for Environmental Clearance for the Building Stone Mine Quarry (Minor Mineral Mining) project of Shri Sachu Rajan Eapen.	
Location	Village	Koodal Village
	Tehsil/Taluka	Konni
	District	Pathanamthitta
	State / UT	Kerala
	Latitudes (N)	09° 09'47.21" N to 09°10'00.15"
	Longitudes (E)	76°51'43.47" E to 76°51'56.20"
	SoI Topo sheet No.	C43Q16 OLD NO. (58C/16)
Company's Name	Quarry Project of Shri. Sachu Rajan Eapen	
Accredited Consultant and certificate no.	M/s Environmental Engineers & Consultants Pvt. Ltd. NABET/EIA/2023/RA 0196 dated 01-03-2021	

KML file	Submitted
Seismic zone	III

3. Category details:

Category of the project	Category “B”, Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area	8.0140 ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	Proposal No. IA/KL/MIN/231862/2019
Online application date for Form-I	29.09.2021
Documents Submitted	Form 1, PFR, EIA & EMP, Supplementary EIA report, Approved Mining Plan, Cluster Certificate, Public Hearing Proceedings.
EAC meeting date	18 th November, 2021
ToR Letter No.	1436/EC1/2019/SEIAA
ToR grant Date	04.08.2020
Production capacity	6,00,000 MTA (Max.)
Top Soil	1,40,920 MT
Waste	67,790 MT
Total Excavation	52,18,884.38 MT
EIA/EMP uploaded on	29.09.2021

5. Lease Details:

Letter of Intent	Letter No.	1989/M3/2020
	Date	03.06.2020

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	2473/DOPTA/M/2019
	Date	12.10.2020
	Validity	11 years
Mining Parameters	Quantitative Description	
Bench Height	5 meters	
Bench Width	5 meters	
Method of Mining	Open Cast	
Individual bench slope	72 ^o	
Overall pit slope	45 ^o	
Drilling/Blasting	Drilling: Multiple blast holes of 1.5 to 2.5 m depth will be drilled with the help of 32 mm drill rod, Jack	

	Hammer and Air Compressor of 100 cfm capacity. Blasting:- The controlled blasting through “ NONEL ” blasting technique using Nitrate Mixture as explosive is proposed by adopting all the safety measures.
RoM output size	6,50,645.56 MT
Life of mine	About 11years
Transportation details	Vehicles will be engaged for transfer of mined out material and about 16-17 trip of 15 T capacity tipper / dump will be utilized for transporting the mineral on per hour basis.
Dumpers capacity	15 MT

7. Land Area Breakup:

Private land	8.0140 ha
Government land	Nil
Total Mining lease area (MLA)	8.0140 ha.
Private land for crusher, workshop & other infrastructure outside the MLA	2.0 ha.

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry’s Notification S.O 3611(E) dated 25.07.2018. As per 2018 notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.9 Proposal for Environmental Clearance for Expansion of existing Building Stone Mine (Quarry, Minor Mineral Mining) project of M/s Kilinakod Rock Products Pvt. Ltd. for an area of 10.0696 hectares situated at Re-Survey Nos. 24/3 pt., 25/2, 27/1, 28/2, 28/3 of Oorakam Village, Thirurangadi Taluk, Malappuram District, Kerala- [Proposal no: IA/KL/MIN/231582/2014; File No. IA-J-11015/85/2021-IA-II(NCM); Consultant: M/s Environmental Engineers & Consultants Pvt. Ltd.] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposal for Proposed Expansion of Existing Building Stone Mine Quarry (Minor Mineral Mining) project of M/s Kilinakode Rock Products Pvt. Ltd.	
Location	Village	Oorakam
	Tehsil/Taluka	Thirurangadi
	District	Malappuram
	State / UT	Kerala
	Latitudes (N)	11 ⁰ 04'43.84" to 11 ⁰ 04'57.64"
	Longitudes (E)	76 ⁰ 00'33.25" to 75 ⁰ 00'45.86"
	SoI Topo sheet No.	C43E04
Company's Name	M/s Kilinakode Rock Products Pvt. Ltd.	
Accredited Consultant and certificate no.	<u>Accredited Consultant:-</u> M/s Environmental Engineers & Consultants Pvt. Ltd. <u>Certificate no. :-</u> NABET/EIA/2023/RA 0196 dated 01-03-2021	
KML file	Attached	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area (MLA)	10.0696 ha (E.C. obtained area 4.7072 ha. + additional area 5.3624 ha.)
Additional information	E.C. was granted for 4.7072 ha. from MoEF&CC vide E.C. order no. J-11015/462/2014-IA.II (M) dated 12-03-2015. Now the PP expands the existing area upto 10.0696 ha. (Additional area of 5.3624 ha.)
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	EC Proposal No. IA/KL/MIN/231582/2014
Online application date for Form-I	28-09-2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan, Cluster Certificate, EIA Report, Public Hearing Proceedings.
EAC meeting date	18 th November, 2021
ToR Letter No.	1378/EC2/2019/SEIAA
ToR grant Date	06-08-2019

Production capacity	4,35,000 MTA
Top Soil	27,776 MT (13,888 cu.m.)
Waste	33,025 MT (13,210 cu.m.)
Total Excavation	65,07,519 MT (Mineable Reserve)
EIA/EMP uploaded on	28-09-2021
Previous EC details	Previously, E.C. was granted for 4.7072 ha. from MoEF&CC vide E.C. order no. J-11015/462/2014-IA.II (M) dated 12-03-2015. Now the PP expands the existing area upto 10.0696 ha. (Additional area of 5.3624 ha.)

5. Lease Details:

Granted Prospecting Licence	Area	3.5412 ha
	Execution date	13-07-2015
	PL No.	Proceeding Order No. 261/2015-16/5950/M3/2015 dated 08-07-2015
Prospecting operation, Commence date	13-07-2015	
Application for the Mining lease area and Date	Application for the Mining lease area :- 3.5412 ha. and Date :- 02-06-2015	
Validity of mine lease	10 Years (Between 13-07-2015 to 12-07-2025)	
Letter of Intent	Letter No.	No. 4183/M3/2018
	Date	15-12-2018
Additional information	E.C. was granted for 4.7072 ha from MoEF&CC and currently mining is in progress at site for an area of 3.5412 ha. only.	

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	Nil
	Date	27-03-2019
	Validity	15 years
Mining Parameters	Quantitative Description	
Bench Height	5 meters	
Bench Width	5 meters	
Method of Mining	Open Cast	
Individual bench slope	72 ⁰	
Overall pit slope	45 ⁰	
Drilling/Blasting	<p>Drilling: Multiple blast holes of 1.5 to 2.5 m depth will be drilled with the help of 32 mm drill rod, Jack Hammer and Air Compressor of 100 cfm capacity.</p> <p>Blasting:-</p>	

	The controlled blasting through “ NONEL ” blasting technique using Nitrate Mixture as explosive is proposed by adopting all the safety measures.
RoM output size	4,58,749 MT
Life of mine	About 15 years
Transportation details	Vehicles will be engaged for transfer of mined out material and about 12-13 trip of 15 T capacity tipper / dump will be utilized for transporting the mineral on per hour basis.
Dumpers capacity	15 MT

7. Land Area Breakup:

Private land	10.0696 ha
Government land	Nil
Total Mining lease area (MLA)	10.0696 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Total area in possession =17.4573 ha

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry’s Notification S.O 3611(E) dated 25.07.2018. As per 2018 notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.10 Proposal for Environmental Clearance for Building Stone Mine (Minor Mineral) Quarry Project situated at Re-survey nos. - 25/1A (25/2308), 25/1A (25/2310) & others in village-Nediyenga, Sreekandapuram Municipality, Taluk Taliparamba, District- Kannur, State- Kerala for an area of 10.3274 Hectares by M/S Sera Granites India Private Limited- [Proposal no: IA/KL/MIN/230373/2020; File No. IA-J-11015/86/2021-IA-II(NCM); Consultant: M/s Environmental Engineers & Consultants Pvt. Ltd.] – EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Proposal for Proposed Building Stone Mine Quarry (Minor Mineral Mining) project of M/s Sera Granites India Pvt. Ltd.
----------------------	--

Location	Village	Nediyenga
	Tehsil/Taluka	Taliparamba
	District	Kannur
	State / UT	Kerala
	Latitudes (N)	12°05'09.88" to 12°05'28.12"
	Longitudes (E)	75°31'14.19" to 75°31'25.67"
	SoI Topo sheet No.	48P/12
Company's Name	M/s Sera Granites India Pvt. Ltd.	
Accredited Consultant and certificate no.	M/s Environmental Engineers & Consultants Pvt. Ltd. NABET/EIA/2023/RA 0196 dated 01-03-2021	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area (MLA)	10.3274 ha.
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	EC Proposal No. IA/KL/MIN/230373/2020
Online application date for Form-I	21-09-2021
EAC meeting date	18 th November, 2021
ToR Letter	ToR was recommended by SEIAA, Kerala in its 112 th meeting of SEAC held on 12 th – 14 th August, 2020.
Production capacity	9,00,000 MTA
Top Soil	59,012 MT
Waste	1,29,830 MT
Total Excavation	88,82,293 MT
EIA/EMP uploaded on	21-09-2021

5. Lease Details:

Letter of Intent	Letter No.	7016/M3/2019
	Date	29-10-2019

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	DOC/M-1302/2019
	Date	09-12-2019
	Validity	About 10 years

Mining Parameters	Quantitative Description
Bench Height	5 meters
Bench Width	5 meters
Method of Mining	Open Cast
Individual bench slope	72 ⁰
Overall pit slope	45 ⁰
Drilling/Blasting	<p><u>Drilling:</u> Multiple blast holes of 1.5 to 2.5 m depth will be drilled with the help of 32 mm drill rod, Jack Hammer and Air Compressor of 100 cfm capacity.</p> <p><u>Blasting:-</u> The controlled blasting through “<i>NONEL</i>” blasting technique using Nitrate Mixture as explosive is proposed by adopting all the safety measures.</p>
RoM output size	9,46,131 MT
Life of mine	About 10 years
Transportation details	Vehicles will be engaged for transfer of mined out material and about 25 trips of 15 T capacity tipper / dump will be utilized for transporting the mineral on per hour basis.
Dumpers capacity	15 Ton

7. Land Area Breakup:

Private land	10.3274 ha.
Government land	Nil
Total Mining lease area (MLA)	10.3274 ha.
Private land for crusher, workshop & other infrastructure outside the MLA	Total area in possession = 18.28 ha.

8. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee noted that the project proponent has not submitted the authenticated District Survey Report as per Ministry’s Notification S.O 3611(E) dated 25.07.2018. As per 2018 notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.11 Proposal for Environmental Clearance for Laterite Building Stone Quarry in Laterite (Building Stone) quarry of Shri Mahesh. K. S. over an extent of 0.0971 Ha located at Re. Sy. No 171/4-2 in Keecheri (Amballur Group) Village, Kanayannur Taluk, Ernakulam District, Kerala - [Proposal no:

IA/KL/MIN/229536/2021; File No. IA-J-11015/87/2021-IA-II(NCM)]– EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Laterite Building Stone Quarry in Laterite (Building Stone) quarry of Shri Mahesh. K. S. over an extent of 0.0971 Ha	
Location	Village	Keecheri
	Tehsil/Taluka	Kanayannur
	District	Ernakulam
	State / UT	Kerala
	Latitudes	09 ^o 50'06.40"N to 09 ^o 50'06.20"N
	Longitudes	76 ^o 24'58.50"E to 76 ^o 24'59.50"E
Company's Name	Shri Mahesh. K. S.	
Accredited Consultant and certificate no.	Reghunadh K DMG/KERALA/RQP/18/2018	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area (MLA)	0.0971 Ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

EC Proposal No.	IA/KL/MIN/229536/2021
Online application date for Form-II	16-09-2021
Documents Submitted	Form 1, PFR, EMP, Approved Mining Plan

5. Lease Details:

Letter of Intent	Letter No.	DOI/1463/E2/2020
	Date	15 Oct 2020

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	DOE/1952/E2/2020
	Date	10 Mar 2021
	Validity	-
Mining Parameters	Quantitative Description	
Bench Height	No benching needed, (Laterite mining not exceeds more than 3 meters from the top level	

Bench Width	No benching needed, (Laterite mining not exceeds more than 3 meters from the top level)
Method of Mining	Semi mechanized method of open cast quarrying
Drilling/Blasting	No
Life of mine	1 year

7. Land Area Breakup:

Private land	0.0971 Ha
Government land	Nil
Total Mining lease area	0.0971 Ha

8.Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. The project proponent did not attend the meeting. The Member Secretary tried to connect with the project proponent through mobile and landline number, the project was appraised in the absence of PP/Consultant. Based on the documents submitted by the project proponent, the Committee observed that the project proponent has not submitted the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal. The project proponent needs to submit the above information on Parivesh Portal.

3.12 Proposal for Validity Extension of Environmental Clearance for Granite Building Stone Quarry of Shri HabeebuRahiman for an area of 2.9110 hectare situated at Survey no. 78/2A pt of Kumaranellur Village, Kozhikode Taluk, Kozhikode District, Kerala - [Proposal no: IA/KL/MIN/232752/2021; File No. IA-J-11015/88/2021-IA-II(NCM)]- Validity Extension of EC

1. EAC Meeting Details:

EAC meeting	41 st EAC meeting
Date of Meeting	15 th – 16 th November and 18 th November, 2021

2. Project details:

Name of the Proposal	Granite Building Stone Quarry Owned by Mr. HabeebuRahiman P. M at Kumaranellur Village, Kozhikode Taluk, Kozhikode District, Kerala.	
Location	Village	Kumaranellur
	Tehsil/Taluka	Kozhikode
	District	Kozhikode
	State / UT	Kerala
	Latitudes	11°18'27.64"N to 11°18'34.38"N
	Longitudes	76°1'33.08"E to 76°1'43.05"E

Company's Name	Profile Sands
Accredited Consultant and certificate no.	SBA Enviro Systems Pvt. Ltd NABET/EIA/2023/RA 0198
KML file	Submitted
Seismic zone	Zone III

3. Category details:

Category of the project	Category "B", Project or Activity 1(a) – 4 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments
Mining lease Area (MLA)	2.9110 Ha
Reason for applying at MoEF&CC	Presently, SEIAA Kerala does not exist

4. ToR/EC Details:

Online application date for Form-I	10 th October 2021
Documents Submitted	Yes
EAC meeting date	18 th November, 2021
Production capacity	56994.3 MTA
Soil	8488.9 cum
Waste	3638.1cum
Total Excavation	398960 MT
EIA/EMP uploaded on	10 th October 2021
Previous EC details	EC No.646/EC4/4942/2014/SEIAA dated 03/02/2016) valid till 02/02/2021

5. Lease Details:

Granted Prospecting License	Area	2.9110 Ha
	Execution date	21/03/2016
	PL No.	131/2016-17
Application for the Mining lease area and Date	21/03/2016	
Validity of mine lease	20/03/2028	

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	-
	Date	27/02/2020
	Validity	01/07/2024
Mining Parameters	Quantitative Description	
Bench Height	5 m	
Bench Width	5 m	

Method of Mining	Open Cast Semi Mechanized
Individual bench slope	45 Degree
Overall pit slope	45 Degree
Drilling/Blasting	Taking into consideration geological parameters of the ore body and the geotechnical field observations made thereof Drilling/Blasting will be carried out.
RoM output size	56994.3 MTA
Life of mine	12 Years
Transportation details	Trucks/Tippers of 15 will be used for transportation

7. Land Area Breakup:

Private land	Private Consented Land
Government land	NA
Total Mining lease area (MLA)	2.9110 Ha

8. Observation and Recommendation of the Committee:

The proposal for validity of Environmental Clearance was considered in the 41st EAC meeting held during 15th – 16th November and 18th November, 2021. After detailed deliberations, the Committee observed the mining activities outside the mine lease area through KML file. The Committee also noted that the Environmental Clearance vide letter no. 646/EC4/4942/2014/SEIAA dated 03/02/2016 was valid till 02/02/2021. The project proponent submitted that the validity of EC is now till 02/02/2022 as per Ministry's Notification S.O. 221(E) dated 18th January, 2021. The relevant extract of the notification is as follows: "Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus(COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid."

The Committee also observed that plantation was unsatisfactory. Therefore, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to submit the letter from DMG that there are no mining activities outside the mine lease area.
- 2) The project proponent needs to submit an action plan showing how to comply with the plantation requirement.

- 3) The project proponent needs to submit the past production details financial year wise duly certified by the concerned authority.

List of members of Expert Appraisal Committee participated through VC

S.No	Member Name	Member Address	Designation	15 th Nov. 2021	16 th Nov. 2021	18 th Nov. 2021
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	No	No	No
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes	Yes	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes	Yes	Yes
5	Shri Santosh Gupta	Flat No. 405, Block –B, Gaur Green Vista, NyayKhand - 1, Indrapuram, Ghaziabad- 201014	Member	No	Yes	No
6	Dr. (Ms.) Asha Rajvanshi	Wildlife Institute of Inida, Chandrabani, Dehradun- 248001	Member	Yes	No	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes	Yes	No

Minutes of 41st EAC (Non-Coal Mining) Meeting held during 15th – 16th November and 18th November, 2021

8	Dr. A.K.Malhotra	House no.33, Sector-11 Dwarka, New Delhi- 110075	Member	Yes	Yes	Yes
9	Dr. Gurdeep Singh	Centre of Mining Environment, Department of Environmental Science & Engg. Indian Institute of Technology (Indian School of Mines), Dhanbad-826004	Member	Yes	Yes	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	No	No	No
11	Prof.MukeshKhar e	Department of Civil Engineering, IIT, Delhi	Member	No	Yes	Yes
12	Mr. V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, MausamBhawan, Lodi Road, New Delhi – 110003	Member	No	No	No
13	Sh. Pankaj Kulakshethra	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur – 440001.	Member	No	No	No
14	Sh. Ramawatar Meena	Representative of DGMS	Member	No	No	No
16	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira ParyavaranBhawan , MoEF&CC, Jorbagh, New Delhi- 110003	Member Secretary	Yes	Yes	Yes
