

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

SUMMARY RECORD OF 34th MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 34th 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 27th July to 30th July 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.

(1.0.0) Deliberation & Circulation on the Minutes of the 31st EAC meeting held during 9th to 11th and 14th to 15th June, 2021.

The minutes of 31st EAC meeting held during 9th to 11th and 14th to 15th June, 2021 were placed before the members of the Committee. The Member Secretary informed the Committee that the following corrigendum was made in 31st EAC meeting held during 9th to 11th and 14th to 15th June, 2021. In addition to the above, the Member Secretary informed the Committee that the corrigendum was also made in 32nd EAC Meeting held during 28th June and 1st July as given below:

Agenda No.	As per EAC meeting minutes dated 9th to 11th and 14th to 15th June, 2021	Project Proponent requested for corrigendum	EAC recommended
5.3	Pg No 120, Point No 17, below Community Resource Augmentation Plan (CRAP) Table	PP requested vide letter dated 27.07.2021, deletion of the statement which says submission of Bank Guarantee which is required only in	The Committee recommended that Bank Guarantee is not required, as the proposal does not falls under S.O. 804, dated 14th March 2017 notification. The deletion is as follows: Note: TSL will submit a bank guarantee of Rs.15.70 Crores towards Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan to

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		case of proposals falling under S.O. 804, dated 14 th March 2017.	Jharkhand State Pollution Control Board (JSPCB).
		Inclusion of interim arrangement of dispatch through road till railway siding.	PP may apply for amendment in Environmental Clearance, after issuance of EC.

(1.0.1) Deliberation & Circulation on the Minutes of the 28th EAC meeting held during 24th - 26th Feb, 2021.

The minutes of 28th EAC meeting held during 24th - 26th Feb, 2021 were placed before the members of the Committee. The Member Secretary informed the Committee that the following corrigendum was made in 28th EAC meeting held during 24th - 26th Feb, 2021 as given below:

Agenda No.	As per EAC meeting minutes dated 24 th - 26 th Feb, 2021	Project Proponent requested for corrigendum	EAC recommended
3.4	Pg No 60, Point No 15 Based on the discussion held and document submitted in the EAC meeting held on 24 th to 26 th February, 2021 the Committee recommended the proposal for ToR as per MoEF&CC Notification dated 06 th April, 2018 for Mohangarh Gypsum	PP requested vide email dated 27.07.2021, It is requested to correct the overburden quantity of 1,29,251 cum/annum instead of 29,251 cum/annum	Recommendation of the Committee: Based on the discussion held and document submitted in the EAC meeting held on 24 th to 26 th February, 2021 the Committee recommended the proposal for ToR as per MoEF&CC Notification dated 06 th April, 2018 for Mohangarh Gypsum (Minor Mineral) Mining project with Production Capacity of 4.5 Lakhs TPA Gypsum and 1,29,251 cum/year OB with the Mining

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<p>(Minor Mineral) Mining project with Production Capacity of 4.5 Lakhs TPA Gypsum and 29,251 cum/year OB with the Mining lease area- 501.67 ha, located at Village- Mohangarh Tehsil & District Jaisalmer State Rajasthan by M/s FCI Aravali Gypsum and Minerals India Ltd.- [Proposal No. IA/RJ/MIN/87033/2018 , File No. J-11015/4/2019-IA-II(M)] - Terms of Reference (ToR) with the following specific conditions</p>		<p>lease area- 501.67 ha, located at Village- Mohangarh Tehsil & District Jaisalmer State Rajasthan by M/s FCI Aravali Gypsum and Minerals India Ltd.- [Proposal No. IA/RJ/MIN/87033/2018, File No. J-11015/4/2019-IA-II(M)] - Terms of Reference (ToR) with the following specific conditions.</p>
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DAY 1 - 27.07.2021 (Tuesday)

1.1: Proposal for Environmental Clearance for expansion of Maliakhera Limestone Mine (ML No. 04/2003, Area-315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation (Limestone:- 5.6 Million TPA, Interburden (clay)/Screen rejects/Waste:- 0.245 Million TPA, Sub-grade Mineral (Mineral rejects): 0.425 Million TPA and Top Soil:- 0.030 Million TPA) with No Change in existing crusher (1500 TPH) & OLBC located at Village - Maliakhera, Tehsil - Nimbahera, District - Chittorgarh (Rajasthan) by M/s J.K. Cement Limited Kanpur. [Proposal no: IA/RJ/MIN/210712/2019; File No. J-11015/42/2019-IA.II(M); Consultant: Enkay Enviro Services Pvt. Ltd.] – Environmental Clearance

1. EAC Meeting Details:

EAC meeting	34 th Meeting
Date of Meeting	27 th to 30 th July 2021

2. Project details:

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Name of the Proposal	Expansion of Maliakhera Limestone Mine (ML No. 04/2003, Area-315.409 Ha.) From 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation (Limestone: - 5.6 Million TPA, Inter-burden (clay/ Screen rejects/ Waste: - 0.245 Million TPA, Sub-grade Mineral (Mineral rejects):- 0.425 Million TPA and Top Soil: - 0.030 Million TPA) with no change in existing crusher (1500 TPH) & OLBC	
Location	Village	Maliakhera
	Tehsil/Taluka	Nimbahera
	District	Chittorgarh
	State / UT	Rajasthan
	Latitudes	24°40'04.7"to 24°41'22.4"N
	Longitudes	74°36'22.0"to 74°37'22.7"E.
	SoiTopo sheet No.	45 L/10
Company's Name	M/s J.K. Cement Works(A UnitofJ.K.Cement Ltd.)	
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd. NABET/EIA/2023/RA 0183 Valid upto 12.12.2023	
KML file	Submitted	
Seismic zone	II - Low Damage Risk Zone (MSK VI or less)	

3. Category details:

Category of the project	A Category
Provisions	EIA Notification 2006
Mining lease Area (MLA)	315.409 Ha

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/99837/2019
Online application date for Form-I	08/03/2019
EAC meeting date	24 th EAC Meetings dtd on 11.12.2020
ToR Letter No.	J-11015/42/2019-IA-II (M)
ToR grant Date	28.12.2020
Production capacity	5.6 Million TPA
Soil	0.030 Million TPA
Waste	0.245 Million TPA
Others	0.425 Million TPA
Total Excavation	6.3 Million TPA
Crusher	No Change in existing crusher (1500 TPH) & OLBC
EIA/EMP uploaded on	30.04.2021

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Previous EC details	<ul style="list-style-type: none"> • EC obtained for expansion from 2.2 - 3.2 Million TPA (Limestone) for an area of 320 Ha. vide letter no. J-11015/429/2008-IA.II(M) dated 06.08.2010. • Amendment in Environment Clearance – reduction in lease area from 320 Ha. to 315.409 Ha. Vide letter no. J-11015/429/2008-IA.II(M) dated 21.02.2018. • Amendment in Environment Clearance – Installation of Crusher (1500 TPH) & OLBC vide letter no J-11015/429/2008-IA.II (M) dated 15.05.2018.
Date of earlier EAC meetings for appraisal of EC	31 st EAC Meeting dtd. 11.06.2021

5. Lease Details:

Granted Prospecting License	Area	320.0 Hectares
	Execution date	25.07.1984
	PL No.	04/2003
Prospecting operation, Commence date	13.12.1984	
Application for the Mining lease area and Date	<p>The change in granted ML area from 320 Ha. to 315.409 Ha. is basically due to error in demarcation of lease area given by the Department of Mines and Geology (Raj.) at the time of initial grant. This issue was resolved by the Department of Mines and Geology at the time of first renewal. This is the actual lease area as on date.</p> <p>First lease renewal for 20 years with area reduction from 320 Ha. to 315.409 Ha. was granted by State Govt. and registered on 06.08.2014.</p>	
Validity of mine lease	12.12.2034	
Letter of Intent/ Grant of ML	Letter No.	P4(298)KHAN/Group-02/81 dated 25.07.1984
	Date	25.07.1984

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584(4) (3) (1837)/ 2020 – RCM – AJM
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	Date	24.11.2020.
	Validity	2020-21 to 2024-25
Mining Parameters	Quantitative Description	
Bench Height	9.0 ±0.5 m	
Bench Width	50 m (Avg.)	
Method of Mining	Fully -Mechanized Opencast Mining	
Individual bench slope	80 ⁰ to 85 ⁰	
Overall pit slope	45 ⁰	
Drilling/Blasting	Drilling: - 2 No. of drills to be provided @ drilling rate 12m/ hour: 24.62/12 = 2.05 (say 2 drill) Blasting Pattern:- Burden: 3.5 m Spacing: 5.0 m Volume: 5 x 3.5 x 1.0 = 17.50 m ³ Tonnage Yield: 17.50 x 2.5 = 43.75 Tonnes	
RoM output size	1.5m ³	
Life of mine	29.4 Years	
Transportation details	By Dumpers , Tippers/OLBC	
Dumpers capacity	40 Tonnes	

7. Land Area Breakup:

Private land	198.409 Hectares
Government land	Govt. Waste Land: 40.0 Hectares; Grazing Land: 77.0 Hectares
Total Mining lease area (MLA)	315.409 Hectares
Private land for crusher, workshop & other infrastructure outside the MLA	NA

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

Particulars	Distance (Km)	Direction
	(From Lease Boundary)	
Village/Town		
Nearest Village – Maliakhera	0.35	W
Nearest Town- Nimbahera	8.72	SE
Nearest City- Chittorgarh	20.61	NNE
Nearest District Headquarter–Chittorgarh	20.61	NNE
Highway:-		

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NH-79	2.95	E
Railway Station:-		
Mangrol (Gambhiri Road)	5.16	ENE
Water Bodies		
Murlia Dam	1.52	ENE
SatkhandaNadi	4.89	NE
Gambhiri River	9.6	ENE
Forests		
AlsigarhP.F.	3.90	W
Kalkaliya R.F	4.10	NW
Bansaria Block P.F.	4.78	W
Kannauj Block P.F.	5.18	WNW
Kotmagra R.F.	6.75	SW
Machhlia R.F.	5.88	NW
MabalBodiya R.F	8.75	SW
Dhamariya R.F.	9.0	W
MujalAronda P.F	9.18	W
Dhamariya R.F	9.0	W
BhamariyaKhalasa Block PF	9.71	WNW

9. Water requirement

Total water requirement	161 KLD	Fresh water	1.0 KLD
		Treated water	160.0 KLD (Pit Water)
Source	Ground Water for Drinking Mine pit water for mining activities		
Permission	NOC from CGWA has been obtained vide letter no. 21-4(286)/WR/CGWA/2008-1676 dtd on 28.10.2015. Revised renewal application has been submitted on 10.01.2021.		

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	-
National park		No	
Wildlife Sanctuary		No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Combined Wildlife Conservation Plan has been approved by the Deputy Conservator of Forest, Chittorgarh vide letter no. f () survey/ DCF/2020-21/ 3252 dated 10.06.2021.

11. Green belt/plantation details:

Proposed area for green belt/plantation	53.43 Hectares
Budget for green plant & plantation till the end of life of mine.	267.15 Lacs & recurring cost 16.02 Lacs/
Budget for nursery	--

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Out of the total safety zone area of 6.128 ha, plantation has been done in 3.05 ha and balance area of 3.078 ha will be completed during FY 2021-23 & 31.135 ha area will be covered in non-mineralized area till end of mine lease.
50 m safety zone of nallah, roads, electric lines	--
500 m safety zones of nearest habitation villages	--

12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	March, April, May -2018
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer

13. Public Hearing (PH) Details

Advertisement for PH with date	DainikBhaskar -01.02.2021 Rajasthan Patrika - 02.02.2021
Date of PH	09.03.2021
Venue	At Project Site, Phalwa Road, Nimbahera, District-Chittorgarh (Raj).
Chaired by	Mr. Ratan Kumar, Additional District Collector, Chittorgarh and Mr. SharadSaxena, Regional Officer, Rajasthan State Pollution Control Board, Chittorgarh.
Main issues raised during PH	Community Infrastructure Development, Drinking Water, Education, Environment
Budget proposed for addressing issues raised during PH	514 Lacs

14. Court case details:

Court Case	NA
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15. Rehabilitation & Resettlement:

R & R details	NA
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16. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	Certified EC Compliance from RO, Lucknow, has been obtained vide letter no. IV/ENV/R/MINE-223/333/2005 dated 09.12.2020.
Certified past production	The authenticated past production records have been obtained from the Office of Assistant Mining Engineer, DMG Nimbahera vide letter no. Ame/ NBH/ Static/ 2021-22/ 22 dated 22.06.2020

18. ADS details:

ADS No.1: Through KML file, adequate plantation was not observed and no efforts have been made for last 30 years. It is suggested to complete the plantation as committed.

Reply: Plantation status is as follows:

SN	Particular	Plantation Status During TOR Presentation	Plantation Committed till 31 st March 2021	Present Status
1	Area under plantation (Ha) including 7.5 m Safety Zone area (<i>Total safety zone area-6.128 ha</i>)	25.03 <i>(Including Safety Zone-1.445 ha)</i>	29.53	31.14 <i>(Including Safety Zone-3.05 ha)</i>
2	Nos. of plantation	44029	59060	63072
3	Density (Nos./ha)	1759	2000	2025

Out of the total safety zone area of 6.128 ha, plantation has been done in 3.05 ha and balance area of 3.078 ha will be completed during FY 2021-23.

ADS No.2: The mine lease has already worked out. A budget and the plan to be submitted to the Ministry to restore the ecosystem in the mining area. Plan for possibility of restoring the agricultural land must also be incorporated.

Reply:

The mine is under operation. The total ML area is of 315.409 ha and OB quantity is inadequate

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to reach the threshold level of backfilling.Hence, mining plan asapproved by the IBM is without back filling. Land use pattern at CP Stage is given below showing restoration of ecosystem by plantation in 68.815 ha, re-grassing in 30.692 ha and water reservoir in 215.902 ha:

SN	Particulars	Land use status as on 31.03.2021 (Ha.)	Land use status at Conceptual Stage (Ha.)	Restoration Budget (Rs. In Crore)
1.	Pits Area	72.001	215.902 (Water Reservoir)	0.28 (Fencing along the Pits)
2.	Inter-burden /reject/waste dump	-	-	-
	Soil Stack	0.859	-	0.015 (Garland drain and sedimentation pits)
	Sub Grade Stack	6.71	17.822 (Re-grassing)	
3.	Infrastructure (Mine office 0.012 ha, Store room 0.022 ha, Nitrate room 0.044 ha, Weigh bridge 0.054 ha, Rawanna office 0.001 ha, Magazine 0.801 ha, Road 8.967 Ha, Crusher 2.664 ha, Belt Conveyor 0.305 ha)	12.87	12.87 (Re-grassing after demolition of structure)	0.31
4.	Embankment	0.93	9.68 (Plantation)	1.32
5.	Plantation (Within lease)	29.53	59.135 (Plantation)	
6.	Other Barren land	11.596	-	-
7.	Crop land	147.546	-	-
8.	Grazing land	33.367	-	
Total		315.409	315.409	1.925

ADS No.3: Impact of recharge of ground water on the hydrology and the water balance at the pit though it and its utilization for community giving a total water balance such as use at the plant, use at the mine and use in the villages be given in a tabular form.

Query no. 4: The Committee feels that there is adequate pit water available; the justification for drawl of additional ground water is required.

Reply:

Water Consumption with Source for Maliakhera Limestone Mine is given as below:

S.N.	Particulars	Existing (KLD)	After Expansion (KLD)	Source
1.	Domestic	1.0	1.0	Ground water for Drinking(0.6 %)
2.	Dust Suppression (Haul road and wet drilling)	80.0	80.0	Mine Pit water for mining activities (99.4%)
3.	Plantation	60.0	60.0	
4.	HEMM Washing	1.0	20.0	
Total		142.0	161.0	

- ❖ In Maliakhera mine, the entire operation is based on mine pit water. Hence, there is a positive impact in the ground water regime due to natural recharge through mine pit.
- ❖ We have five captive limestone mines and two integrated cement plants (Nimbahera and Mangrol) within the 15 KMS radius and the main source of water is rain water collected in the mining pits. After meeting the captive requirement, we provide water to the farmers for agriculture. This ensures that we don't have to withdraw water from ground water sources for the operation of cement plants.
- ❖ During FY 2020-21, the rainfall was 352 mm and water collection in the mine pit was very less which is the main source of water for integrated cement plant. During the year, 81% (8.34 lacs KL) water requirement was met from mine pit and rest 19% (1.99 lacs KL) from ground source. Details of mine pit water utilization is given as below:

S. No.	Mine	Total Pit Water Available in FY 2020-21 at Rainfall of 352 mm.	Pit Water Utilization FY 2020-21		
			Mining Activity	Cement Plant	Agriculture
1	Karunda	2.60	0.37	2.12	0.11
2	Maliakhera	3.0	0.48	2.52	0
3	Nimbahera-Ahirpura	2.57	0.06	2.51	0
4&5	Tilakhera&Mangrol	1.67	0.48	1.19	0
Total		9.84	1.39	8.34	0.11

- ❖ However, considering average rainfall of 846 mm, total available water in mine pits will be 13.51 lacs KL with total pit area 319.5 ha of all 5 nos. of Captive Limestone mines in FY 2021-22. Details are given as below:

SN	Mine	Pit Area (Ha)	Rainfall (mm)	Total rain water Collection (lacs m3)	Evaporation losses (30%, Lac M3)	GW Recharge (20%, LacM3)	Net Water Available in Pit (Lac m3)

1	Karunda	66.34	846	5.62	1.69	1.12	2.81
2	Maliakhera	77.44		6.55	1.97	1.31	3.28
3	Nimbahera-Ahirpura	98.74		8.35	2.51	1.67	4.18
4	Tilakhera	44		3.72	1.12	0.74	1.86
5	Mangrol	32.92		2.79	0.84	0.56	1.39
Total		319.5		27.03	8.11	5.41	13.51

- ❖ Maximum water requirement for all five LS mine and both cement Plant is 11.8 lacs KL/Annum (Including Cement plant-10.4 lac KL/Annum and Mining activities- 1.4 lac KL/annum). Hence, above details indicate that with the average rainfall, operation of mining & cement plants will be water neutral and additional available water of 1.7 lac KL will be made available to the farmers for agricultural activities. The GW recharge from the mine pits is 5.4 lacs KL/Annum will have positive impact on GW regime.

ADS No. 5: Noise modeling studies by taking actual data during blasting be generated, actual data monitored at the receptor during blasting be collected for calibration of model.

Reply:

Subsequent to the observations of the Committee, the measurements were taken on 25th June 2021 during the blasting at nearest Village Karunda and Charlia. Actual data monitored has been submitted with the ADS reply.

ADS No. 6: Impacts on air quality due to vehicular emission as the material are being transported actually to be monitored and modeled using calibrated data.

Reply:

The present traffic load is 267 trucks/trips per day and due to proposed expansion an additional traffic intensity of 216 trucks/trips per day which would be transporting mineral from the crusher to cement plant. Further OLBC is proposed to be installed from the Crusher to the Cement Plant which will reduce traffic load and eventually the Pollution load in the environment.

AIR QUALITY MODELLING

In order to predict the incremental rise of ground level concentration of particulate and gaseous emissions, AERMOD View Version 7.1.0 was used to envisage changes in air quality i.e., maximum ground level concentration (GLC's) of PM₁₀, PM_{2.5}, NO_x and CO due to the mining activity and proposed expansion of cement plant. The inputs required for the model is:

- Hourly Micro - Meteorological data (Wind Speed, Direction, Temperature, Monitoring Period, Location, Cloud Cover, Mixing Height etc.).
- Source data (Area and Line Source)
- Receptor data (441 nos.)
- Programme Control Parameters (Topography, Elevation, Terrain etc.).

The GLC's were predicted for the scenario, with EMP in the mine.

The incremental rise of ground level concentrations are computed for 24-Hr average. The maximum ground level concentrations of PM₁₀, PM_{2.5}, NO_x and CO from the different mining activities and cement plant for study period with EMP are given with the ADS reply.

ADS No. 7: A commitment to put a conveyer belt by August and another conveyer belt within a year should be given in writing. PP needs to submit the efforts done for decreasing the impacts of vibration and transportation after installation of first conveyer belt as early as possible.

Reply:

- ❖ Erection of OLBC has been delayed for want of approval from the Commissioner of Railway Safety (CRS) as the OLBC will cross the railway tracks of Gambhiri Railway Station. Without the approval from the Commissioner of Railway Safety, the work of laying of steel girder over the track cannot be taken up. After getting the CRS approval, the work will be completed within three months for transportation of limestone from common crusher of Karunda Limestone Mine and Maliakhera Limestone mine to the Mangrol Cement Plants.
- ❖ With regard to second line of OLBC from the same crusher to Nimbahera plant will also require approval from Railway, Highway Authority and Wonder Cement Company as the OLBC will cross the railway siding of Wonder Cement company and NH 56 (Ajmer-Neemach). We have noted the advice of the EAC and will explore the feasibility of crossing the road and railway and, accordingly, will inform the Ministry about timeline to complete it. However, we would like to inform that the existing road is company's road and there will be no additional traffic load on it.
- ❖ After installation of Line 1 of OLBC, the vibration and noise levels will be monitored and appropriate measures will be adopted as per the supplier advice to keep the noise and vibration levels within the prescribed norms.

ADS No. 8: Conservation plan appears to be common for 5 mines and 2 plants of M/s J.K. Cement Limited. Cost should be separated and included in the budget for each mine and the plant.

Reply:

5 Nos. of captive Limestone Mines and 2 Nos. of Integrated cement Plant of J K Cement Ltd are situated within 10 KMS radius in Tehsil Nimbahera, Chittorgarh District and accordingly, Cumulative Wildlife Conservation Plan for 6 Sch-1 Species (Indian Peafowl (*Pavocristatus*), Panther (*Pantherapardusfusca*), Rusty Spotted Cat (*Prionailurusrubiginosus*), Indian Wolf (*Canis lupus pallipes*) Indian Monitor lizard (*Varanusbengalensis*) and Indian vulture (*Gyps indicus/ bengalensis*) has been prepared with a total cost of Rs. 285.30 lakhs.

Now, as advised by Hon'ble Committee, the total WLCP cost has been separated on the basis of area (land) of each mine and plant and the details are given below:

Project Name	Area (In Hect.)	Amount(In Rs. Lacs)
Nimbahera- Ahipura Limestone Mine	403.1875	67.31
Nimbahera Cement Plant	170.27	28.42
Mangarol Cement Plant	149.42	24.92
Karunda Limestone Mine	240.86	40.2
Maliakhera Limestone Mine	315.409	52.53
Tilakhera Limestone Mine	299.2	49.92
Mangrol Limestone Mine	132.0	22.0
Total	1710.3	285.30

ADS No. 9: PP needs to submit the revised EMP cost by removing monitoring cost from the budget and include plantation to be completed in 3 years in the peripheral and non-mineral zone, plantation outside the lease, avenue plantation on

thetransportroadandtheno.ofplantstobeplantedyear-wisewiththebudget.							
Reply: Revised EMP cost after removing monitoring cost and occupational health management cost has been submitted with the ADS reply.							
ADS No. 10: Cost of equipment for the dust control, noise control and vibration control to be indicated separately in the EMP cost. The budget and plan for creating water harvesting structures in the villages nearby also to be submitted.							
Reply: Cost of additional measures are given below: <ol style="list-style-type: none"> 1. Dust Control: Rs. 35 Lacs for Water tanker for haul road spray 2. Noise and Vibration Control: Existing best available mining technique which includes wet drilling, controlled blasting (NONEL) and maintenance of HEMM etc. will be continued. Cost of additional plantation to check the noise level will be Rs. 2.67 crores. 3. Water Harvesting Structures in the Villages: We have developed a anikut near Vilalge Maliakhera and it is filled with mine water by dedicated pipeline which is used for agriculture need and recharge the ground water. 							
ADS No. 11: Cost for EMP to address the public hearing issues should have only capital investment and also the recurring cost if any be submitted in a tabular form.							
Reply:							
SN	Activity Head	CSR Project or activities	Time bound Action Plan with Budgetary allocation	Amount Rs in Lakh			Total
				2021-22	2022-23	2023-24	
1	Community Infrastructure Development	Gaushala in Village Maliakheri.	There is an issue of land availability from panchayat however, proposal for Construction of Gaushala in village Maliakhedi has been taken up, which will be done in FY 2021-22 with a budget of Rs. 10 Lakhs .	10.00			10.00
		Dairy building in Village- Karunda	Proposal for Construction of dairy building in village Karunda has been taken up, which will be done in FY 2021-22 after getting proposal from Panchayat.	20.00			20.00

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		CC road in Village-Maliakheri	Repair of CC road in Village Maliakheri of _2.4_ kms will be done .			30.00	30.00
		Construction of Community Center and drainage in Village Bansa& Renovation of Bathroom.	Community Center and Drainage in Village Basa will be done in FY 2021-22 & 2022-23 respectively	20.00	10.00		30.00
		Construction of Community Center in village Karunda	Construction of community center will be done in FY 2023-2024 after land allotment by panchayat.		20.00	20.00	40.00
		CC road from main road to temple in Village PipaliyaGadiya	Construction of CC road from main road to temple in Village Karunda i.e. of 800-900 m length will be constructed by year 2021-22.	20.00			20.00
		Construction of New School Bulding in Maliakhera Village (3Rooms &Baramda . Toilet)	Construction of school building which will be done in FY 2021-22 (30 Lakh for school building 18X20 square feet and 6 feet baramda) and 10 Lakh for toilet in FY 2022-23.	30.00	10.00		40.00
		Beautification of Pond and a garden with open gym in the village Karunda.	Beautification of Pond and a garden with open gym will be done in the village Karunda by year 2022-23 and Year 2023-24 respectively.		15.00	10.00	25.00
		CC road along with drain construction work in Village-Saand.	Construction work of CC road (800 -900 Mtr) along with drainage in village sand will be done by the Company in FY	18.00			18.00

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		2021-22 with the expenditure 18 Lakh.				
	CC Road in Maliakheri.	Budget of Rs. 26 Lakhs was allotted for the construction of CC Road (Length: 2.4 Km) in Maliakhera Village. Work will be done in year 2021-22.	14.00	12.00		26.00
	CC road and drainage in Village Dhanora	Construction of CC road (800-900 mtr) and drainage in Village Dhanora will be done in year 2021-22	20.00			20.00
	Gravel Gitty link road between Village Bansa and Piplia	Construction of gravel gitty link road (2.0 km) will be done in year 2022-23 .		20.00		20.00
	Community building work-village saand.	Construction of Community building work (80 X 20 Square feet) will be done in year 2022-23.		30.00		30.00
	Burial sites development work in Paury, Sanda, Shergarh and Pipilia.	Total budget of Rs. 42.0 Lakh has been taken for development work of Burial sites in four village (Payri 10 Lakh, Saand 7 Lakh, Shergarh 5 lakh and in Pipliya 20 Lakh) and work will be done in year 2022-23 and 2023-24 respectively.		17.00	25.00	42.00
	School building and campus at Village Pipliya and Shergarh.	Construction of school building (3 rooms of 18 X 20 square feet) in Village Pipaliya and shergarh will be done		20.00	20.00	40.00

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			in year 2022-23 and 2023-24 respectively.				
		Boy and girl toilets Village Saand	Construction of toilets (10 X 20 square feet) in Village Saand will be done in year 2021-22.	5.00			5.00
		Community Hall in Phalwa Village	work is going on and will be completed in the year 2022-23.	30.00	15.00		45.00
		Road from JK main road to school at Village Peerkheda	Construction of road (0.7.km) from JK main road to school and work will be done in the year 2022-23.		4.00		4.00
2	Drinking Water	Tubewell in school in Village Peerkheda	Work will be done in the year 2021-22.	2.00			2.00
		Pipeline for drinking water in entire Paury, Karunda and PipaliyaGadia village .	900 pipes required for all three village and approx. 1.5 KM distance will be done in FY 2021-22.	20.00			20.00
3	Local Needs	Need based	Total project cost is Rs. 87.70 Crore and considering 2% of project cost, total CER cost comes to Rs. 175 lacs. However, we are proposing CER Cost of Rs. 514 lacs. Accordingly there is an additional provision of Rs. 27 lacs to meet the instent requirement from the community			27.00	27.00
			Total	209.00	173.0	132.0	514.00

19. Details of the EMP:

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S. No.	Particulars	Capital Cost (Rs. In Lacs)	Recurring Cost/ Annum (Rs. In Lacs)
1	Pollution Control Measures	35.00	5
	(Dust Suppression & Water Sprinkling etc.)- One no of high-efficiency nozzle mounted water tanker for water sprinkling on haul roads.		
2	Green Belt Development Plan		
	Plantation & Green belt (1.64 ha, 4100 nos plant @200 Rs.) in FY 2021-22 on safety zone.	8.20	1.00
	Plantation & Green belt (3.25 ha, 8125nos. of plants @200 Rs.) in FY 2022-23, 1.0 ha, Out of total 3.25 ha, 1.438 ha on safety zone and 1.812 ha on non-mineral zone.	16.25	2.00
	Plantation & Green belt (3.25 ha, 8125 nos. of plants @200 Rs.) in FY 2023-24 on non-mineral zone	16.25	2.00
	Plantation & Green belt (45.29 ha, 1,13,225 nos plant @ 200 Rs.) from 2024-25 to end life of mine (2050)	226.45	27.17
	Sub- total	267.15	32.17
3	Public Hearing Action Plan (CSR Activities) for three year	514	15.50
4	Wildlife Conservation Plan (for 6 Schedule-I species) for ten year	52.53	0.0
Grand Total(1+2+3+4)		868.68	52.67
Note: In addition to EMP cost, capital cost towards the environmental monitoring will be as Rs. 50 lacs and recurring cost will be Rs. 06 lacs/Annum			

20. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	50 lacs
Budget for addressing the Public Hearing issues	5.14
Total Cost for EMP	868.68 Lacs
Recurring Cost for EMP	52.67 Lacs/annum
Project Cost	87.70
Employment	105 Persons (43% increment)

21. Observation of the Committee: The Committee observed visible efforts to follow the advice of EAC regarding plantation etc. In the last meeting held during 9th to 15th June, 2021, the PP could not showcase through proper video drone coverage, the

compliance to EC conditions, it was suggested to visit the site for onset assessment by the committee. In this meeting, the presentation on all ADS points with plantation, as per the commitment, air quality and cumulative impact, noise safety measures during the blasting including the prediction, EMP for public with capital investment, EMP at the site by removing monitoring cost as well as the status of OLBC which is as per the commitment within 6 months. The virtual site visit through KML and drone visuals/video is adequately showcased. The Committee noticed that mine lease is valid till 11.12.2034. It was also noticed that the Terms of Reference mentioned that this proposal is under the provisions of Notification S.O. 1530 (E) but it was typographical error and this proposal does not falls under the provisions of Notification S.O. 1530 (E). It is a case of expansion. Also, the Committee asked to submit the revised EMP budget and PP submitted the same vide letter dated 27.07.2021.

22. Recommendation of the Committee: Looking at the efforts made by the PP and after detailed deliberations made by the Project Proponent and the Consultant, the Committee during its Meeting held during 27thto 30th July 2021 **recommended** the proposal for Environmental Clearance for expansion of Maliakhera Limestone Mine (ML No. 04/2003, Area-315.409 Ha.) from 3.2 Million TPA (Limestone) to 6.3 Million TPA of Total Excavation (Limestone:- 5.6 Million TPA, Interburden (clay)/Screen rejects/Waste:- 0.245 Million TPA, Sub-grade Mineral (Mineral rejects): 0.425 Million TPA and Top Soil:- 0.030 Million TPA) with No Change in existing crusher (1500 TPH) & OLBC located at Village - Maliakhera, Tehsil - Nimbahera, District - Chittorgarh (Rajasthan) by M/s J.K. Cement Limited Kanpuralong with the following specific conditions:

- 1) The safety zone from nearby village currently maintained at 300 m till the life of mine must be maintained and in case if there is a plan to access less than this distance, specific statutory permission will be required for accessing the minerals, besides, fresh studies to assess impacts of blasting on the adjoining village due to noise, vibration and air pollution be done and submitted.
- 2) The project proponent should explore the possibility of plantation in the adjoining area outside the lease boundary between the village and the mine lease to create a barrier of at least 50 m width belt.
- 3) It is proposed to create a water reservoir at 215.902 Ha at the end of closure of mine. PP must submit a detailed plan that how will this water reservoir be protected, utilized for villagers in agriculture after necessary treatment.
- 4) The project proponent should explore the possibility of use of permanent water sprinklers for control of dust on the haul roads within the mine lease area.
- 5) PP should ensure plantation in the mined out pits in the benches which are not sub-merged in water with 95% survival rate.
- 6) OLBC must be completed within 5 months as committed during the presentation.

- 7) PP must not exceed the total excavation that it has considered for preparation of EMP at any time during the operation.
- 8) The PP must submit the status report of plantation in the periphery, non-mineral zone, safety zone, avenue plantation, and either side of village road to the Ministry in every 6 months.
- 9) The compliance to public hearing as indicated in the table with an investment of 514 Lakhs be submitted annually to the Ministry.
- 10) Submit the update on implementation of Wildlife Conservation Plan both specific to this mine expenditure as well as combined expenditure annually.
- 11) At the time of revision of mining plan, EMP if modified, for a peak production be submitted along with the revised mining plan to the Ministry.
- 12) The study carried out by drone and shown during the presentation must be submitted to the Ministry for the purpose of record.

1.2 Proposal for Environmental Clearance for expansion of Karunda Limestone Mine (M.L. No. 03/2003, Area 240.86 ha.) from 2.0 Million TPA Limestone to total excavation of 3.8 Million TPA (Cement grade Limestone: 3.448 Million TPA, Subgrade Limestone: 0.152 Million TPA, Interstitial Clay/ Screen rejects/ Waste: 0.189 Million TPA and Top Soil: 0.011 Million TPA) and Limestone Crusher with Screening (500 TPH Limestone and 50 TPH Screening Clay) situated at Village – Karunda, Tehsil – Nimbahera, District – Chittorgarh, Rajasthan by M/s J.K. Cement Limited Kanpur – [Proposal no: IA/RJ/MIN/210770/2019; File No. J-11015/36/2019-IA.II(M); Consultant: Enkay Enviro Services Pvt. Ltd.] - Environmental Clearance

1. EAC Meeting Details:

EAC meeting	34 th Meeting
Date of Meeting	27 th to 30 th July 2021

2. Project details:

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Name of the Proposal	Karunda Limestone mine (M.L. No. 03/2003, Area 240.86 ha.) from 2.0 Million TPA Limestone to total excavation of 3.8 Million TPA (Cement grade Limestone: 3.448 Million TPA, Subgrade Limestone: 0.152 Million TPA, Interstitial Clay/ Screen rejects/ Waste: 0.189 Million TPA and Top Soil: 0.011 Million TPA) and Limestone Crusher with Screening (500 TPH Limestone and 50 TPH Screening Clay)	
Location	Village	Karunda
	Tehsil/Taluka	Nimbahera
	District	Chittorgarh
	State / UT	Rajasthan
	Latitudes	24°41'23.1"to 24°42'27.8"N
	Longitudes	74°36'25.1"to 74°37'12.7"E.
	SoilTopo sheet No.	45L/10.
Company's Name	J.K.Cement Works	
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur NABET/EIA/2023/RA 0183 Valid Upto 12.12.2023	
KML file	Submitted	
Seismic zone	II	

3. Category details:

Category of the project	A Category
Provisions	EIA Notification 2006
Mining lease Area (MLA)	240.86 Ha

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/98520/2019
Online application date for Form-I	15.04.2019
EAC meeting date	25.09.2020
ToR Letter No.	J-11015/ 36/ 2019-IA.II (M)
ToR grant Date	15.10.2020
Production capacity	3.448 Million TPA
Soil	0.011 Million TPA
Waste (Interstitial Clay/ Screen rejects/ Waste)	0.189 Million TPA
Others (Subgrade Limestone)	0.152 Million TPA
Total Excavation	3.8 Million TPA
Crusher	Crusher with Screening (500 TPH Limestone and

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	50 TPH Screening Clay)
EIA/EMP uploaded on	30.04.2021
Previous EC details	Previous Environmental Clearance was obtained from MoEF&CC, New Delhi vide letter no. J-11015/428/2008-IA. II dated 06.08.2010 for Production Capacity for 1.09 Million TPA to 2.0 Million TPA of Limestone in an area of 240.86 Ha.
Date of earlier EAC meeting for appraisal for EC	31 st EAC Meeting, dated 11.06.2021

5. Lease Details:

Granted Prospecting License	Area	336.70 ha
	Execution date	25.07.1984
	PL No.	03/2003
Prospecting operation, Commence date	13.12.1984	
Application for the Mining lease area and Date	Out of total sanctioned area of 336.70 ha, 95.84 ha. along eastern boundary B-C and retaining 240.86 ha. and same was accepted by the Supdt. Mining Engineer, Bhilwara vide his letter No. SME/BHIL CIRCLE/ cc1/ML 3/03/1509 DATED 16.07.2008 with effect from 05.07.2008.	
Validity of mine lease	12.12.2034	
Letter of Intent/ Grant of ML & Area	Letter No.	P5 (32) KHAN/ Group – 03/ 80
	Date	25.07.1984

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	584(4) (3) (1761)/ 2018 – RCOM – AJM/ 1660
	Date	28.11.2018
	Validity	2019-20 to 2023-24
Mining Parameters	Quantitative Description	
Bench Height	8.5+/- 0.5m	
Bench Width	50 m (Avg.)	
Method of Mining	Fully-Mechanized Opencast Mining	
Individual bench slope	80 ⁰ to 85 ⁰	
Overall pit slope	35 ⁰	
Drilling/Blasting	Drilling- 2 No. (1+ 1 STANDBY)of drills to be provided @ drilling rate 8m/ hour	

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	Blasting Factors- Burden (m)-3.5, Spacing (m)-4.5 Volume (cu.m.)- 4.5 x 3.5 x 8.50 = 134 Tonnage Yield (t)- 134 x 2.5 = 335
RoM output size	1.5 m ³
Life of mine	30 years
Transportation details	By dumper, tipper/OLBC
Dumpers capacity	40 Tonne

7. Land Area Breakup:

Private land	130.32 ha
Government land	Govt. Waste Land -50.74 ha & Grazing Land (59.80 ha)
Total Mining lease area (MLA)	240.86
Private land for crusher, workshop & other infrastructure outside the MLA	Not Applicable

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

Particular	Distance (km)	Direction
	From Lease Boundary	
Village/Town		
Karund Village	0.70	W
Nearest Town- Nimbahera	8.95	SE
Nearest City- Chittorgarh	17.72	NNE
Nearest District Headquarter – Chittorgarh	17.72	NNE
Highway		
NH-79	2.45	E
Railway Station		
Mangrol (Gambhiri Road)	5.11	E
Water Bodies		
MurliaTalab	1.64	E
SatkhandaNadi	3.0	NE
GangariyaTalab	8.60	W
Gambhiri Reservoir	9.34	ESE

9. Water requirement

Total water requirement	125 KLD	Fresh water	1 KLD
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		Treated water	124 KLD (Mine Pit Water)
Source	Ground Water & Mine Pit Water		
Permission	NOC from CGWA has been obtained vide letter no. 21 – 4 (286)/ WR/ CGWA/ 2008 – 1676, dated- 28.10.2015. Revise Renewal application as per CGWA Guidelines 24 September 2020 has been submitted on 10.01.2021.		

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			
Wildlife Sanctuary			

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Combined Wildlife Conservation Plan has been approved by the Deputy conservator of Forest, Chittorgarh, vide letter no. f ()Survey/ Deputy conservator of Forest/2021-22/ 3252 dated 10.06.2021

11. Green belt/plantation details:

Proposed area for green belt/plantation	28.73 ha
Budget for green plant & plantation till the end of life of mine.	143.64 Lakh + Recurring 8.62 Lakh
Budget for nursery	-

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Out of the total safety zone area of 4.9 ha, plantation has been done in 2.54 ha and balance area of 2.36 ha will be completed during FY 2021-23&22.102 ha area will be covered in non-mineralized area till end of life of mine.
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-

12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	March-April-May-2018
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer Season
Additional information (if any)	-

13. Public Hearing (PH) Details

Advertisement for PH with date	DainikBhaskar dated 01.02.2021 Rajasthan Patrika dated- 02.02.2021
Date of PH	09.03.2021
Venue	Near the Project Site, PhalwaRoad, Nimbahera, District-Chittorgarh (Raj)
Chaired by	❖ Mr. Ratan Kumar, Additional District Collector, Chittorgarh ❖ Mr. SharadSaxena, Regional Officer, Rajasthan State Pollution Control Board, Chittorgarh
Main issues raised during PH	Community Infrastructure Development, Drinking Water , Education, Employment Environment & Local Needs
Budget proposed for addressing issues raised during PH	160 Lakh

14. Court case details:

Court Case	No
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15. Rehabilitation & Resettlement:

R & R details	Not Applicable
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16. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	IV/ENV/R/Mine-193/292/04/1126, Date-16.12.2020
Certified past production	Ame/ Nbh/ Static/ 2021- 2022/23, Date-22.06.2021

17. ADS details (If any)

ADS no.1: Through KML file, adequate plantation was not observed and no efforts have been made for last 30 years. It is suggested to complete the plantation as committed.

Reply:

We would like to submit that present KML file is available for the same date which was discussed during the TOR meeting held on 25th Sept. 2020 showing the plantation till May 2020. However, we have completed plantation target committed at the time of grant of TOR. Details are given as below:

S N	Particular	Plantation Status During TOR Presentation	Plantation Committed till 31st March 2021	Present Status
1	Area under plantation (Ha) including 7.5 m Safety Zone area (<i>Total safety zone area-4.9 ha</i>)	18.50 <i>(Including Safety Zone-0.524 ha)</i>	24.50 <i>(Commitment:22.24 ha including safety zone-0.898 ha)</i>	26.14 <i>(Including Safety Zone-2.54 ha)</i>
2	Nos. of plantation	32,519	62,350	66,455
3	Density (Nos./ha)	1758	2500	2600

Out of the total safety zone area of 4.9 ha, plantation has been done in 2.54 ha and balance area of 2.36 ha will be completed during FY 2021-23.

ADS no.2: The mine lease has already worked out. A budget and the plan to be submitted to the Ministry to restore the ecosystem in the mining area. Plan for possibility of restoring the agricultural land must also be incorporated.

Reply:

The mine is under operation. The total ML area is of 240.86 ha and OB quantity is inadequate to reach the threshold level of backfilling, hence, mining plan is approved by the IBM without back filling. Land use pattern at CP Stage is given with the ADS reply showing restoration of ecosystem by plantation in 53.37 ha, re-grassing in 12.404 ha and water reservoir in 156.706 ha.

ADS no.3: Impact of recharge of ground water on the hydrology and the water balance at the pit though it and its utilization for community giving a total water balance such as use at the plant, use at the mine and use in the villages be given in a tabular form.

ADS no.4: The Committee feels that there is adequate pit water available; the justification for drawl of additional ground water is required.

Reply:

Water Consumption with Source for Karunda Limestone Mine is given as below:

S.N	Particulars	Existing (KLD)	After Expansion (KLD)	Source
1.	Domestic	1.0	1.0	Ground water for Drinking (0.8 %)
2.	Dust Suppression (Haul	50.0	54.0	Mine Pit water for mining

	road and wet drilling			activities (99.2%)
3.	Plantation	40.0	50.0	
4.	HEMM Washing	1.0	20.0	
Total		92.0	125.0	

- ❖ In Karunda mine, the entire operation is based on mine pit water. Hence, there is a positive impact in the ground water regime due to natural recharge through mine pit.
- ❖ We have five captive limestone mine and two integrated cement plant (Nimbahera and Mangrol) within the 15 KMS radius and the main source of water is rain water collected in the mining pits. After meeting the captive requirement, we provide water to the farmers for agriculture, otherwise we have to meet from ground water sources for the operation of cement plants.
- ❖ During FY 2020-21, the rainfall was 352 mm and water collection in the mine pit was very less which is the main source of water for integrated cement plant. During the year, 81% (8.34 lac KL) water requirement was met from mine pit and rest 19% (1.99 lac KL) from ground source. Details of mine pit water utilization is given as below:

SN	Mine	Total Pit Water Available in FY 2020-21 at Rainfall of 352 mm.	Pit Water Utilization FY 2020-21		
			Mining Activity	Cement Plant	Agriculture
1	Karunda	2.60	0.37	2.12	0.11
2	Maliakhera	3.0	0.48	2.52	0
3	Nimbahera-Ahirpura	2.57	0.06	2.51	0
4&5	Tilakhera&Mangrol	1.67	0.48	1.19	0
Total		9.84	1.39	8.34	0.11

- ❖ However, considering average rainfall of 846 mm, total available water in mine pits will be 13.51 lacs KL with total pit area 319.5 ha of all 5 nos. of Captive Limestone mines in FY 2021-22. Details are given as below:

S N	Mine	Pit Area (Ha)	Rainfall (mm)	Total rain water Collection (lacs m3)	Evaporation losses (30%, Lac M3)	GW Recharge (20%, LacM3)	Net Water Available in Pit (Lac m3)
1	Karunda	66.34	846	5.62	1.69	1.12	2.81
2	Maliakhera	77.44		6.55	1.97	1.31	3.28
3	Nimbahera-Ahirpura	98.74		8.35	2.51	1.67	4.18
4	Tilakhera	44		3.72	1.12	0.74	1.86
5	Mangrol	32.92		2.79	0.84	0.56	1.39
Total		319.5		27.03	8.11	5.41	13.51

- ❖ Maximum water requirement for all five LS mine and both cement Plant is 11.8 lacs KL/Annum (Including Cement plant-10.4 lac KL/Annum and Mining activities- 1.4 lac

KL/annum). Hence, above details indicate that with the average rainfall, operation of mining & cement plants will be water neutral and additional available water of 1.7 lac KL will be made available to the farmers for agricultural activities. The GW recharge from the mine pits is 5.4 lacs KL/Annum will have positive impact on GW regime.

ADS no. 5: Noise modeling studies by taking actual data during blasting be generated, actual data monitored at the receptor during blasting be collected for calibration of model.

Reply:

Subsequent to the observations of the Committee, the measurements were taken on 25th June 2021 during the blasting at nearest Village Karunda and Charlia. Actual data monitored has been submitted with the ADS reply.

ADS no. 6: Impacts on air quality due to vehicular emission as the material are being transported actually to be monitored and modeled using calibrated data.

Reply:

The present traffic load is 167 trucks/trips per day and due to proposed expansion an additional traffic intensity of 122 trucks/trips per day which would be transporting mineral from the crusher to cement plant. Further OLBC is proposed to be installed from the Crusher to the Cement Plant which will reduce traffic load and eventually the Pollution load in the environment.

AIR QUALITY MODELLING

In order to predict the incremental rise of ground level concentration of particulate and gaseous emissions, AERMOD View Version 7.1.0 was used to envisage changes in air quality i.e., maximum ground level concentration (GLC's) of PM₁₀, PM_{2.5}, NO_x and CO due to the mining activity and proposed expansion of cement plant. The inputs required for the model is:

- Hourly Micro - Meteorological data (Wind Speed, Direction, Temperature, Monitoring Period, Location, Cloud Cover, Mixing Height etc.).
- Source data (Area and Line Source)
- Receptor data (441 nos.)
- Programme Control Parameters (Topography, Elevation, Terrain etc.).

The GLC's were predicted for the scenario, with EMP in the mine.

The incremental rise of ground level concentrations are computed for 24-Hr average. The maximum ground level concentrations of PM₁₀, PM_{2.5}, NO_x and CO from the different mining activities and cement plant for study period with EMP are submitted with the ADS reply.

ADS no. 7: A commitment to put a conveyer belt by August and another conveyer belt within a year should be given in writing. PP needs to submit the efforts done for decreasing the impacts of vibration and transportation after installation of first conveyer belt as early as possible.

Reply:

- ❖ Erection of OLBC has been delayed for want of approval from the Commissioner of Railway Safety (CRS) as the OLBC will cross the railway tracks of Gambhiri Railway Station. Without the approval from the Commissioner of Railway Safety, the work of laying of steel girder over the track cannot be taken up. After getting the CRS approval, the work will be completed within three months for transportation of limestone from common crusher of Karunda Limestone Mine and Maliakhera Limestone mine to the Mangrol Cement Plants.

- ❖ With regard to second line of OLBC from the same crusher to Nimbahera plant will also require approval from Railway, Highway Authority and Wonder Cement Company as the OLBC will cross the railway siding of Wonder Cement company and NH 56 (Ajmer-Neemach). We have noted the advice of the EAC and will explore the feasibility of crossing the road and railway and, accordingly, will inform the Ministry about timeline to complete it. However, we would like to inform that the existing road is company's road and there will be no additional traffic load on it.
- ❖ After installation of Line 1 of OLBC, the vibration and noise levels will be monitored and appropriate measures will be adopted as per the supplier advice to keep the noise and vibration levels within the prescribed norms.

ADS no. 8: Conservation plan appears to be common for 5 mines and 2 plants of M/s J.K. Cement Limited. Cost should be separated and included in the budget for each mine and the plant.

Reply:

5 Nos. of captive Limestone Mines and 2 Nos. of Integrated cement Plant of J K Cement Ltd are situated within 10 KMS radius in Tehsil Nimbahera, Chittorgarh District and accordingly, Cumulative Wildlife Conservation Plan for 6 Sch-1 Species (Indian Peafowl (*Pavocristatus*), Panther (*Pantherapardusfusca*), Rusty Spotted Cat (*Prionailurusrubiginosus*), Indian Wolf (*Canis lupus pallipes*) Indian Monitor lizard (*Varanusbengalensis*) and Indian vulture (*Gyps indicus/ bengalensis*) has been prepared with a total cost of Rs. 285.30 lakhs.

Now as advised by Hon'ble Committee, the total WLCP cost has been bifurcated on the basis of area (land) of each mine and plant and the details are given below:

Project Name	Area (In Hect.)	Amount(InRs. Lacs)
Nimbahera- Ahirpura Limestone Mine	403.1875	67.31
Nimbahera Cement Plant	170.27	28.42
Mangarol Cement Plant	149.42	24.92
Karunda Limestone Mine	240.86	40.2
Maliakhera Limestone Mine	315.409	52.53
Tilakhera Limestone Mine	299.2	49.92
Mangrol Limestone Mine	132.0	22.0
Total	1710.3	285.30

ADS no. 9: PP needs to submit the revised EMP cost by removing monitoring cost from the budget and include plantation to be completed in 3 years in the peripheral and non-mineral zone, plantation outside the lease, avenue plantation on the transport road and the no. of plants to be planted year wise with the budget.

Reply:

Revised EMP cost after removing monitoring cost and occupational health management cost has been submitted with the ADS reply.

ADS no. 10: Cost of equipment for the dust control, noise control and vibration control to be indicated separately in the EMP cost. The budget and plan for creating water harvesting structures in the villages nearby also to be submitted.

Reply:

Cost of additional measures are given below:

4. Dust Control: Rs. 35 Lacs for Water tanker for haul road spray
5. Noise and Vibration Control: Existing best available mining technique which includes wet drilling, controlled blasting (NONEL) and maintenance of HEMM etc. will be continued. Cost of additional plantation to check the noise level will be Rs. 2.20 crores.
6. Water Harvesting Structures in the Villages: We have developed water pond in Karunda Village for ground water recharge and direct use for agriculture. This pond is being filled by pit water of Karunda mine.

ADS no. 11: Cost for EMP to address the public hearing issues should have only capital investment and also the recurring cost if any be submitted in a tabular form.

Reply:

S.No.	Activity Head	CSR Project or activities	Time bound Action Plan with Budgetary allocation	Amount in Rs. Lakh			Total
				2021-22	2022-23	2023-24	
1	Community Infrastructure Development	Panchayati Nohra in Village Maliakheri	After allotment of land by Government/Panchayat Construction of PanchayatiNohra/Community Center in Village Maliakhedi will be done in FY 2022-23 with a budget of Rs.50 Lakhs		50.00		50.00
		Plantation at AlsigarhBalaji Temple near Village Falwa	Budget for Plantation activities (300 nos of sapling with tree guard) at AlsigarhBalaji Temple near Village Falwa will be Rs. 5.0 Lakhs and work will be completed in FY 2021-22 & 2022-23.	2.50	2.50		5.00
		Gaushala in Village Phalwa	After allotment of land by Government/Panchayat, Construction of Gaushala in village Phalwa will be done in FY 2021-22 & 2022-23 with a budget of Rs.20.0 Lakhs.			20.00	20.00
		Solar water pump set in village Phalwa	Installation of Solar water pump set will be done by year 2021-22 with a cost of Rs. 3.0 Lakhs	3.00			3.00
		CC Road and drainage at Shergharh	Construction of CC road (700-800 mtr) and drainage in Village Shergarh will be done in year 2022-23 with		14.00		

		Village.	a budget of Rs. 14.0 Lakh				
		CC Road in Pipaliya&Karrunda Village.	Construction of CC road (1400 mtr) and drainage in Village Saand will be done in year 2021-22 with a budget of Rs. 18.0 Lakh	18.00			18.00
		Community Hall in PipliyaGadiya Village	After allotment of land by Government/Panchayat, Construction of Community Hall in PipliyaGadiya Village will be done in FY 2022-23 with a budget of Rs.20 Lakhs		20.00		20.00
2	Drinking Water	Pipeline for drinking water in Village Maliakhera	Budget for the pipeline will be Rs. 20 Lakhs and completed in FY 2021-22 (1000 mtr Length)	20.00			20.00
3	Local Needs	Need based	Total project cost is Rs. 49.29 Crore and considering 2% of project cost, total CER cost comes to Rs. 99 lacs. However, we are proposing CER Cost of Rs. 160 lacs. Accordingly there is an additional provision of Rs. 24 lacs to meet the instent requirement from the community			24.00	24.00
			Total	43.50	86.50	44.00	160.00

19. Details of the revised EMP budget:

S. No.	Particulars	Capital Cost (Rs. In Lacs)	Recurring Cost/ Annum (Rs. In Lacs)
1	Pollution Control Measures		
	(Dust Suppression & Water Sprinkling etc.)- One no of high-efficiency nozzle mounted water tanker for water sprinkling on haul roads.	35.00	5

	Green Belt Development Plan		
2	Plantation & Green belt (3.09 ha, 7720 nos plant @200 Rs.) in FY 2021-22, out of total 3.09 ha, 1.36ha on safety zone and 1.73 ha on non – mineral zone	15.44	1.85
	Plantation & Green belt (1.0 ha, 2500 nos. of plants @200 Rs.) in FY 2022-23, 1.0 ha on safety zone.	5.00	0.60
	Plantation & Green belt (1.0 ha, 2500 nos. of plants @200 Rs.) in FY 2023-24 on non-mineral zone	5.00	0.60
	Plantation & Green belt from 2024-25 to end life of mine(2048)	118.20	14.18
	Sub- total	143.64	17.23
3	Public Hearing Action Plan (CSR Activities) for three year	160	8.00
4	Wildlife Conservation Plan (for 6 Schedule-I species) for ten year	40.2	0
Grand Total(1+2+3+4)		378.84	30.23

20. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	378.84 lacs
Budget for addressing the Public Hearing issues	1.60
Total Cost for EMP	378.84 lacs
Recurring Cost for EMP	30.23 lacs/annum
Project Cost	49.2925
Employment	84 persons

21. Observation of the Committee: The Committee observed visible efforts to follow the advice of EAC regarding plantation etc. In the last meeting held during 9th to 15th June, 2021, the PP could not showcase through proper video drone coverage, the compliance to EC conditions, it was suggested to visit the site for onset assessment by the committee. In this meeting, the presentation on all ADS points with plantation, as per the commitment, air quality and cumulative impact, noise safety measures during the blasting including the prediction, EMP for public with capital investment, EMP at the site by removing monitoring cost as well as the status of OLBC which is as per the commitment within 6 months. The virtual site visit through KML and drone visuals/video is adequately showcased. The Committee asked to submit the revised EMP budget and PP submitted the same vide letter dated 27.07.2021.

22. Recommendation of the Committee: Looking at the efforts made by the PP and after detailed deliberations made by the Project Proponent and the Consultant, the

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Committee during its Meeting held during 27th to 30th July 2021 **recommended** the proposal for Environmental Clearance for expansion of Karunda Limestone Mine (M.L. No. 03/2003, Area 240.86 ha.) from 2.0 Million TPA Limestone to total excavation of 3.8 Million TPA (Cement grade Limestone: 3.448 Million TPA, subgrade Limestone: 0.152 Million TPA, Interstitial Clay/ Screen rejects/ Waste: 0.189 Million TPA and Top Soil: 0.011 Million TPA) and Limestone Crusher with Screening (500 TPH Limestone and 50 TPH Screening Clay) situated at Village – Karunda, Tehsil – Nimbahera, District – Chittorgarh, Rajasthan by M/s J.K. Cement Limited Kanpur along with the following specific conditions:

- 1) The project proponent should explore the possibility of plantation in the adjoining area outside the lease boundary between the village and the mine lease to create a barrier of at least 50 m width belt.
- 2) It is proposed to create a water reservoir at 175.086 Ha at the end of closure of mine. PP must submit a detailed plan that how will this water reservoir be protected, utilized for villagers in agriculture after necessary treatment.
- 3) The project proponent should explore the possibility of use of permanent water sprinklers for control of dust on the haul roads within the mine lease area.
- 4) There are village roads passing through the mine lease area. 50 m safety zone on either side and avenue plantation must be undertaken as there was no proposal for road diversion. The safety zone from nearby village currently maintained at 300 m till the life of mine must be maintained at SE and SW directions.
- 5) OLBC must be completed within 5 months as committed during the presentation.
- 6) PP should ensure plantation in the mined out pits in the benches which are not sub-merged in water with 95% survival rate.
- 7) PP must not exceed the total excavation that it has considered for preparation of EMP at any time during the operation.
- 8) Timeline for crusher and belt conveyer installation from Karunda to Maliakhera for internal transport be submitted.
- 9) The PP must submit the status report of plantation in the periphery, non-mineral zone, safety zone, avenue plantation, and either side of village road to the Ministry in every 6 months.
- 10) The compliance to public hearing as indicated in the table with an investment of 160 Lakhs be submitted annually to the Ministry.

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- 11) Submit the update on implementation of Wildlife Conservation Plan both specific to this mine expenditure as well as combined expenditure annually.
- 12) At the time of revision of mining plan, EMP if modified, for a peak production be submitted along with the revised mining plan to the Ministry.
- 13)The study carried out by drone and shown during the presentation must be submitted to the Ministry for the purpose of record.

1.3 Proposal for Terms of Reference for Rohisa Limestone Mine with proposed Limestone & Marl Production Capacity 3.33 MTPA, Top Soil 0.17 MTPA and Waste 0.98 MTPA with total Excavation of 4.48 MTPA in the Mining leases Area of 891.7185 ha located at Villages Rohisa, Balana and Vadhera, Taluka Jafrabad, District Amreli, Gujarat– [Proposal no: IA/GJ/MIN/220001/2021; File No. IA-J-11015/52/2021-IA.II(M); Consultant: JM EnviroNetPvt Ltd] - ToR

1. EAC Meeting Details:

EAC meeting	34 th EAC Meeting
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Proposal	Rohisa Limestone Mine (ML Area: 891.7185 ha) with Proposed Limestone & Marl Production Capacity 3.33 Million TPA, Top Soil 0.17 Million TPA and Waste 0.98 Million TPA (Total Excavation: 4.48 Million TPA)	
Location	Village	Rohisa, Balana and Vadhera
	Tehsil/Taluka	Jafrabad
	District	Amreli
	State / UT	Gujarat
	Latitudes	20°49'00" to 20°51'00" N
	Longitudes	71°13'00" to 71°18'45" E
	SoI Topo sheet No.	41 P/5 (Restricted)
Company Name	M/s. HeidelbergCement India Limited (HCIL)	
Accredited Consultant Organisation and its certificate no.	J.M. EnviroNet Pvt. Ltd. Accredited Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023	
KML file	Submitted	
Seismic zone	Zone – III as per IS: 1893 (Part-I): 2002	

3. Category details:

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Category of the project	Category "A"
Provisions	Project or Activity 1(a) – 3 as per EIA Notification 2006
Mining lease Area (MLA)	891.7185 ha

4. ToR Details:

ToR Proposal No.	IA/GJ/MIN/220001/2021
Online application date for Form-I	17.07.2021
Documents Submitted	Form 1, PFR, Brief summary
EAC meeting date	27.07.2021
Production capacity	Limestone & Marl Production Capacity – 3.33 Million TPA
Soil	Top Soil - 0.17 Million TPA
Waste	OB & IB - 0.98Million TPA
Total Excavation	Total Excavation –4.48 Million TPA
Crusher	Crusher to be installed in proposed interlinked Cement Plant

5. Lease Details:

Granted Prospecting License by Gujarat Govt.	Area	891.7185 Ha
	Location	Villages Rohisha, Balana and Vadhera of Taluka - Jafrabad of Dist. Amreli (Gujarat)
	In favor of	Indorama Cement Ltd
	Date	31.05.2000
	Execution date	20.01.2002
	PL No.	PLM-1097-2077-Chh
Prospecting operation, Commence date	01.11.2004	
Letter of Intent	Minerals	Limestone and Marl
	In favor of	Indorama Cement Ltd
	Letter No.	MCR-112005-ML 987-CH-1
	Date	08.02.2006
Validity of mine lease	08.09.2070	
Additional information	Pursuant to a Scheme of Amalgamation sanctioned by the Hon'ble High Courts of Bombay and Karnataka Indorama Cement Limited was amalgamated with Mysore Cements Limited and the new entity was renamed as HeidelbergCement India Limited w.e.f. 16.04.2009. Ultimately the Govt. of Gujarat issued the order no. MCR-112005-ML 987-CHH-1 dated 10.01.2017	

	for grant of mining lease in favor of HeidelbergCement India Limited, over the aforesaid area. The mining lease for the proposed mine has been executed on 09.09.2020 & registered on 15.09.2020 for 50 years.
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6. Observation and Recommendation of the Committee: The proposal for Terms of Reference was considered in the 34th EAC meeting held during 27th to 30th July 2021. The Committee noted that part of mine lease falls under CRZ and no official document was present with the project proponent for clarification of CRZ issue. Also, it is an ecologically sensitive area due to the presence of Lion habitats nearby and has rich flora and fauna. Therefore, the Committee was of the view that clarification is required regarding the distance from CRZ through Coastal Zone Management Plan (CZMP) authenticated by the Competent Authority in the State and therefore the Committee **returned the proposal in present form** as part of mine lease falls under CRZ.

1.4 Proposal for amendment in existing EC granted on 05.01.2017 by MoEF&CC for Limestone Mine (MLA: 193.3269 ha) with Existing Production Capacity of 0.53 MTPA (ROM) located at Villages: Talli and Bambhor, Taluka: Talaja, District: Bhavnagar, Gujarat by M/s UltraTech Cement Limited – [Proposal no: IA/GJ/MIN/220133/2021; File No. J-11015/13/2016-IA.II (M); Consultant: J.M. Enviro Net Pvt. Ltd.] - Amendment of EC

1. EAC Meeting Details:

EAC meeting	34 th EAC (Non Coal Mining)
Date of Meeting	27 th to 30 th July 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 ⁰ 9'8.871" N to 21 ⁰ 10'20.694" N
	Longitudes	71 ⁰ 57'55.218" E to 71 ⁰ 59'6.534" E
	SolTopo sheet No.	41 O/16 (Restricted)

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Company's Name	M/s. UltraTech Cement Limited (Unit –Gujarat Cement Works)
Accredited Consultant Organisation and its certificate no.	J.M. EnviroNet Pvt. Ltd. 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".
Provisions	Project or Activity '1(a) - (3)'
Mining lease Area (MLA)	193.3269 Ha

4. EC details:

EC Proposal No.	IA/GJ/MIN/34113/2015
Documents submitted	Form 4, EC letter, Annexure III and Mining plan
EAC meeting date	19-20 Sep., 2016 and 24-25 Oct., 2016
EC Letter No.	J-11015/13/2016-IA.II (M)
EC grant Date	05.01.2017
Production capacity	0.53 Million TPA (ROM)
Soil	Topsoil: average 0.06 Million TPA
Waste	There is no generation of waste
Others	-
Total Excavation	0.59 Million TPA
Crusher	Not installed at mine

5. Lease Details:

Granted Prospecting License by Gujarat Govt.	Area	Not holding
	Execution date	Initial prospecting done by Mines & Geology Dept., Govt. of Gujarat
	PL No.	ML granted 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.	
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.

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	MCR/102012/1248/CHH, Secretariat, Department of Industry and Mines, Govt. of Gujarat)
Additional information	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.
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.

6. Observation and Recommendation: The proposal for amendment in existing Environmental Clearance granted vide letter no. J-11015/13/2016-IA.II (M) dated 05.01.2017 by MoEF&CC was considered in the 34th EAC meeting held during 27th to 30th July 2021. The Committee noted non-compliance of specific condition 6 and standard condition 14 of earlier EC granted on 05.01.2017. PP is already using village road for transportation of minerals which was not allowed, as per earlier EC. Matter may be taken up with the Ministry's IA Monitoring division. The Committee did not accept the proposed amendment in specific condition 6 and standard condition 14 and **returned the proposal in present form.**

1.5 Proposal for Environmental Clearance for Aniali Limestone Mine with the expansion in production capacity from 43,000 TPA to 1,75,000 TPA in the mine lease area 21.04 ha located at Village: Aniali Taluka: Ranavav & District: Porbandar, Gujarat by M/s TATA Chemicals Limited [Proposal no: IA/GJ/MIN/214441/2020; File No. J-11015/42/2020-IA.II(M); Consultant: In Situ Enviro Care] - EC

1. EAC Meeting Details:

EAC meeting	34 th EAC (Non Coal Mining)
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Project	Proposal for Environmental Clearance for Aniali Limestone Mine with the expansion in production capacity from 43,000 TPA to 1,75,000 TPA (MLA: 21.04 ha) by M/s TATA Chemicals Limited	
Location	Village	Aniali
	Tehsil/Taluka	Rananav

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	District	Porbandar
	State / UT	Gujarat
	Latitudes	21° 42' 22" to 21° 42' 33" N
	Longitudes	69° 49' 26" to 69° 49' 43" E
	Soil Topo sheet No.	207/part
Company Name	M/s TATA Chemicals Limited	
Accredited Consultant Organisation and its certificate no.	In Situ Enviro Care and NABET/EIA/1821/RA0070	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	A
Provisions	EIA Notification, 2006
Mining lease Area (MLA)	21.04 Ha
General condition	Barda Wildlife Sanctuary is present at a distance of 4.205 Km in NW direction and 38 meters from ESZ.

4. ToR details:

ToR Proposal No.	IA/GJ/MIN/166482/2020
EAC meeting date	23-25 th Sep., 2020 and 26-28 th Oct., 2020
ToR Letter No.	J-11015/42/2020-IA.II (M)
ToR grant Date	13.11.2020
Production capacity	Limestone: from 43,000 TPA to 1,75,000 TPA
Soil	-
Waste	-
Crusher	-

5. Lease Details:

Granted Lease deed by Gujarat Govt.	Area	Not holding
	Lease deed No.	MCR-1565/13877/CHH
	Date	07.07.1966
	Execution date	23.12.1966
	Expiry date	22.12.1986
	1 st Renewal	Granted vide order no. MCR-1585-(T-44)-4267-CHH, dated 28.12.2004 which got expired on 22.12.2006

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	2 nd Renewal	Letter no. A/WG/L408/2005, dated 17.11.2005
Additional information	The Industries and Mines Department of Gujarat Government has considered for the lease period extension to 31.03.2030 vide letter no. MCR/1565/13877-CHH, New Sachivalaya, Gandhinagar dated 03.04.2018 as per recent amendment in Section 8A (5) of the MMDR Amendment Act, 2015.	

6. Observation and Recommendation of the Committee: The Committee noted that proposal is for expansion in production capacity of limestone from 43,000 TPA to 1,75,000 TPA which is almost 4 times sudden jump in the production capacity. After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting during 27thto 30th July 2021 **deferred** the proposal for want of following information:

- 1) The project proponent needs to submit the revised EMP budget.
- 2) 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.
- 3) Cumulative scenario for all the nearby mines needs to be carried out and be submitted.
- 4) Plantation at adjoining lease is to be revised and submitted.
- 5) PP needs to submit the mining methodology with safety measures and surface plan.
- 6) Total excavation of all the three mines and stage mining plan needs to be submitted.

1.6 Proposal for Environment Clearance for Virpur Bauxite Mining Project with the production capacity of 40,480 TPA (MLA: 4.6461 Ha) located at Village-Virpur, Tehsil: Kalyanpur, District: DevbhumiDwarka, Gujarat by M/s Carborandum Universal Ltd. [Proposal no. IA/GJ/MIN/125317/2019; File No. J-11015/21/2020-IA.II (M), Consultant: In Situ Enviro Care] – EC

1. EAC Meeting Details:

EAC meeting	34 th EAC (Non Coal Mining)
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Project	Virpur Bauxite Mining Project with the production capacity of 40,480 TPA (MLA: 4.6461 Ha)	
Location	Village	Virpur
	Tehsil/Taluka	Kalyanpur
	District	DevbhumiDwarka
	State / UT	Gujarat
	Latitudes	22°16'1.70" N - 22°16'2.70" N
	Longitudes	69°19'10.90"E - 69°19'17.30" E
	SoI Topo sheet No.	F43H1- new reference no. (46F/1-old reference no.)
Company Name	M/s Carborandum Universal Ltd.	
Accredited Consultant Organisation and its certificate no.	In Situ Enviro Care and NABET/EIA/1821/RA0070	
KML file	Submitted	
Seismic zone	IV	

3. Category details:

Category of the project	A
Provisions	EIA Notification, 2006
Mining lease Area (MLA)	4.6461 Ha
General condition	Marine Sanctuary at 2.8 Kmin North West direction. As per the distance certificate from DFO, the site is outside the ESZ and having 32.0 mt. from the ESZ boundary.

4. ToR Details:

ToR Proposal No.	IA/GJ/MIN/125317/2019
Online application date for Form-I	4 March 2020
EAC meeting date	05 May 2020
ToR Letter No.	J-11015/21/2020-IA.II (M)
ToR grant Date	13 th May 2020
Production capacity	40,480 TPA
Soil	6870 m ³
Waste	5496 m ³
Others	--
Total Excavation	1,20,912 Tonne (for 3 years)
Crusher	--
EIA/EMP uploaded on	30 May 2021

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Date of earlier EAC meetings	32 nd EAC meeting (Non-Coal Mining Sector) held during 28 th June 2021 to 1 July, 2021. The Committee deferred the proposal.
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5. Lease Details:

Granted Prospecting License	Area	4.6461 hectares
	In the name of	M/s Carborundum Universal Limited
	Order no.	MCR-1095-4909-CHH
	Issued by	Government of Gujarat, Industries, Mines & Power Department, Sachivalaya, Gandhinagar
	Date	23.04.2002 on survey no. 58/183 for the period of 20 years.
Validity of mine lease	30.03.2030. Lease Extension: Industries and Mines Department of Gujarat Government has processed the extension of lease period of Virpur Bauxite Mine up to 30.03.2030 as per Section 8A (5) of the MMDR Amendment Act, 2015	

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	684(4)(1)/MP-211/2019
	Date	8th April 2019
	Validity	2022
Mining Parameters	Quantitative Description	
Bench Height	4 m	
Bench Width	4 m	
Method of Mining	Semi mechanized open cast method	
Individual bench slope	slope of benches will be 70 ⁰ from vertical	
Overall pit slope	--	
Drilling/Blasting	Yes	
RoM output size	40,480 TPA	
Life of mine	9.8 years	
Transportation details	Virpur bauxite Mine is a captive mine of M/s Carborundum Universal Limited. The extracted bauxite will be transported (84 Kms) to the captive plant of M/s Carborundum Universal Limited situated at Okha, DevbhoomiDwarka, Gujarat by	

	Trucks via NH 947.
Dumpers capacity	20 Tonne

7. Land Area Breakup:

Private land	--
Government land	Government waste land
Total Mining lease area (MLA)	4.6461 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	

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

Particulars	Particular's Name	Distance &Directions
Village	Virpur	About 1.2 Km SE direction.
Town	Khambaliya	About 35 Km in South East
Highway	NH-947	About 10.50 km in South
Railway Station	Bhoplka	About 16.70 km in South direction from the project site.
Water bodies	i. Rani Nadi: about 3.86 Km in South West direction. ii. VedmatiNadi: about 7.0 Km in East direction. iii. Gulf of Kutch: about 2.32 Km in North direction. iv. TharuhaTalab: about 0.78 Km in South West direction v. AmbaliyaTalab: about 6.40 Km in West direction. vi. Pindara Village Local talab: about 6.40 Km in South West direction vii. ValotraNadi: about 0.48 Km in East direction (Seasonal) viii. KhimpatVokro (Seasonal nadi): about 12.31 km in East direction	

9. Water requirement

Total water requirement	10.0 KLD	Fresh water	10 KLD
		Treated water	--
Source	Water will be procured from nearby village and transported through mobile water tankers.		
Permission	NOC from Gram Panchayat obtained.		

10. Presence of Environmentally Sensitive areas in the study area

Forest Area/Environmental	Land/Protected Sensitivity	Yes/No	Details of Certificate/letter/Remarks
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Zone		
Forest Land	Yes	Datrana Reserve Forest: about 10.0 Km in South East direction. Open Scrub Reserve Forest: about 1.5 Km in North East direction.
National park	Yes	Marine National Park is about 13.6 Km in North East direction.
Wildlife Sanctuary	Yes	Marine Sanctuary is about 2.8 Km in North West direction.
Additional information	--	As per the distance certificate from DFO, the site is outside the ESZ and having 32.0 meter. distance from the ESZ boundary.

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Pea fowl (Pavocristatus); Rs 5, 00,000 is proposed for wild life conservation plan.

11. Green belt/plantation details:

Proposed area for green belt/plantation	1.53 Ha
Budget for green plant& plantation till the end of life of mine.	Rs. 2.0 Lakh per annum
Budget for nursery	--

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

12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	Dec-2019, Jan 2020 & Feb 2021
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter

Detailed Baseline Data has to be presented during EAC meeting.

13. Public Hearing (PH) Details

Advertisement for PH with date	Public hearing advertisement in English was
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	published in "Times of India" dated 28/11/2020 and in Gujarati in "Gujarat Samachar" dated 28/11/2020.
Date of PH	30th December ,2020 at 12:00 hrs
Venue	Virpur Bauxite mine site, (M/s Carborandum Universal Limited), Survey No: 58/183 Village Virpur, Ta. Kalyanpur, Dist: DevbhoomiDwarka
Chaired by	District Collector & District Magistrate, DevbhoomiDwarka
Main issues raised during PH	Livelihood for locals, developing school infrastructure, drinking water and skill up gradation.
Budget proposed for addressing issues raised during PH	Rs 1,00,000 under Community Environmental Responsibility plan will address the issues raised during PH.

14. Court case details:

Court Case	No
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15. Rehabilitation & Resettlement:

R & R details	NA
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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
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17. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	Nil
Certified past production	Nil

18. Details of the EMP

Activities	Capital cost (Lakhs/Annum)	Recurring cost (Lakhs/annum)
Air quality monitoring	--	2.0
Water quality control	--	0.75
Noise abatement	--	0.25

Environment monitoring and management	--	1.0
Green belt development	1.5	0.5
Dust Suppression	2.0	1.0
Occupational Health and safety	0.5	2.0
Rainwater harvesting system	6.0	1.0
Garland Drain	0.5	--

19. Details of project cost and employment:

Particulars	Details
Capital Cost for Environment Protection	Rs 0.105 Cr
Budget for addressing the Public Hearing issues	Rs 0.01Cr under Community Environmental Responsibility plan will address the issues raised during PH.
Total Cost for EMP	Rs 0.19 Cr
Recurring Cost for EMP	Rs. 0.085 Cr
Project Cost	Rs1.00 Cr
Employment	21 persons

20. Observation and Recommendation of the Committee: The Committee asked for an undertaking regarding, whether the information submitted by the project proponent is correct and the actual cost of project. The project proponent submitted the undertaking for the same and submitted the project cost as 1.00 crore vide e-mail dated 28th July 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee in its Meeting held during 27th to 30th July 2021 **recommended** the proposal for Environmental Clearance for Virpur Bauxite Mining Project with the production capacity of 40,480 TPA (MLA: 4.6461 Ha) located at Village-Virpur, Tehsil: Kalyanpur, District: Devbhumi Dwarka, Gujarat by M/s Carborandum Universal Limited along with the following specific conditions:

- 1) The project proponent needs to submit the NOC that mine lease area does not falls under CRZ from the competent authority of the state. The EC will be functional only after submission of document from State Authority w.r.t CRZ.
- 2) Blasting is not allowed for the mining in the instant case. Instead, rock breaker will be used as committed.
- 3) The project proponent shall abide by the mining plan i.e. re-fill the entire pit and must complete the plantation as proposed.

1.7 The proposal of M/s. Rajasthan State Mines & Minerals Limited is for Amendment in Environmental Clearance granted vide letter no. 11015/456/2008-IA. II (M) dated 05.08.2010 for reducing Gypsum production capacity from 2 Lac TPA

to 1 Lac TPA and increasing the life of mines in EC granted for Bhurasar Gypsum Mining Project (MLA: 280.50 ha) located near village Bharusar, Tehsil- Kolayat, District-Bikaner, Rajasthan - [Proposal no: IA/RJ/MIN/142882/2020; File No. J-11015/456/2008-IA.II. (M)] – Amendment in EC

1. EAC Meeting Details:

EAC meeting	34 th EAC Meeting
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Proposal	Amendment in Environmental Clearance (EC) to reduce Gypsum production capacity from 2 LTPA to 1 LTPA with increase the life of mines up to 30 years from the date of EC i.e. up to 04.08.2040 for “Bhurasar Gypsum Mine” of Rajasthan State Mines & Minerals Limited (Area- 280.50 Ha)	
Location	Village	Bhurasar
	Tehsil/Taluka	Kolayat
	District	Bikaner
	State / UT	Rajasthan
	Latitudes	28°18'32.17"N to 28°19'34.76"N
	Longitudes	72°15'16.96"E to 72°16'48.58"E
	SolTopo sheet No.	44D/7 ' Restricted'
Company's Name	M/s Rajasthan State Mines & Mineral Ltd	
Accredited Consultant and certificate no.	Not engaged as proposal is for amendment in environmental clearance.	
KML file	Submitted	
Seismic zone	Zone-III as per IS 1893:2002	

3. Category details:

Category of the project	A
Provisions	1 (a) under EIA Notification 2006
Mining lease Area (MLA) (in ha.)	280.50 Ha

4. EC Details:

EC Letter No.	J-11015/456/2008-IA-II(M)
EC grant Date	EC: - 05 th August 2010, EC Amendment: -28 th January 2016.
EAC meeting date	20.04.2020 wherein PP did not attend the meeting and 24.09.2020 wherein the Committee recommended the

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	proposal (i) to reduce Gypsum production capacity from 2 Lac TPA to 1 Lac TPA (ii) to increase the life of mine till 04.08.2040, subject to submission of (i) approved mining plan; (ii) Implementation of plantation plan as was submitted in the earlier proposal and (iii) legal opinion w.r.t. validity of Environmental Clearance
Production capacity	As per EC dated 05.08.2010: 3 Lakh TPA As per EC amendment dated 28.01.2016:2.0 Lakhs TPA Proposed Amendment for 1.0 Lakhs TPA
Soil	0.34 Cubic Meter
Waste	Not generated.
Gypsum	12.39 Lakh Cubic Meter (8.84 Lakh MT)
Total Excavation	12.73Lakh Cubic Meter
Crusher	Not required (Excavated Gypsum directly loaded in customers truck)
Previous EC details	J-11015/456/2008-IA.II(M) dated 05.08.2010 : 3 LTPA J-11015/456/2008-IA-II(M)(Pt.) dated 28.01.2016 : 2LTPA
Additional details	The mines is not in operation since 17.07.2017 due to no market demand but now some cement plants and agriculture sector is interested to procure Gypsum from Bhurasar Gypsum Mines. The demand of gypsum from mines is uncertain due to remote location.

5. Lease Details:

Granted Prospecting License	Area	280.50 Ha
	Execution date	04.02.2011
	ML No.	05/2005
Prospecting operation, Commence date	Mining operation commenced on 03.02.2010	
Application for the Mining lease area and Date	280.50 Ha. on date 23.02.2005	
Validity of mine lease	50 years (04.02.2011 date of registration of ML agreement to 03.02.2061)	
Mining Lease Sanction Order for 20 for 20 years period	Letter No.	P.3(143)Khan/Group-2/06.
	Date	03.12.2010
Rider Agreement to extend validity of mining lease up to 50 years period.	Date	29.08.2019

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	SME/Bikaner-CIR/Mine-Scheme/Bikaner/F-362//21/743
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	Date	07.07.2021
	Validity	Five years (up to 31.03.2026)
Mining Parameters	Quantitative Description	
Bench Height	Not defined (Single bench surface mining up to depth of 1.95 meter)	
Bench Width	Not defined (Single bench surface mining up to depth of 1.95 meter)	
Method of Mining	Open Cast Mechanized Mining using hydraulic excavator for excavation of Gypsum.	
Individual bench slope	Not defined (Single bench surface mining up to depth of 1.95 meter)	
Overall pit slope	Not defined (Single bench surface mining up to depth of 1.95 meter).	
Drilling/Blasting	Not required	
RoM output size	Not defined, ROM as excavated is being directly loaded in customer's truck.	
Life of mine	Tentative 9 Years (Life of mine may increase due to uncertain demand / up and down in market demand. Therefore the life of mine is proposed up to 04.08.2040i.e.30 years from the date of EC)	
Transportation details	No internal transportation required, as excavated gypsumROM is being directly loaded in customers truck.	
Dumpers capacity	Trucks provided by customers from open market with registered carrying capacity of 28MT & 35MT.	

7. Land Area Breakup:

Private land	65.30 Hectare
Government land	215.20Hectare
Total Mining lease area (MLA)	280.50 Hectare
Private land for crusher, workshop & other infrastructure outside the MLA	Not required

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

Particulars	Particular's Name	Distance &Directions
Nearest City	District Bikaner	143 km.(approx.)
Nearest Town	TownDantore	40 km (approx.)
Nearest National Highway	NH-15	135km. (approx.)
Nearest Railway Station	Jamsar Railway Station	135 km (approx.)

9. Water requirement

Total water requirement	10 KLD	Fresh water	10.00 KLD
		Treated water	0.00

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Source	Water reservoir (Diggi) constructed by lessee under CSR through Gram Panchayat at village Bhurasar. It is being maintained by Gram Panchayat.
Permission	NA

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	Forest NOC dated 24.10.2017. Certificate issued by concerned DCF vide letter dated 26.11.2020.
National park	No	
Wildlife Sanctuary	No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	Not applicable

11.Green belt/plantation details:

Proposed area for green belt/plantation	21.30 Ha
Budget for green plant & plantation till the end of life of mine.	Rs 2 Lakh per year
Budget for nursery	Not required, Plants are being arranged from the nursery of Forest Department.

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	5.21 Hectare Lease Boundary is mainly sand dunes or slop of sand dunes and therefore spread seeds of desert plants during rainy season.
50 m safety zone of nallah, roads, electric lines	Not applicable.
500 m safety zones of nearest habitation villages	1.00 Hectare

12. Court case details:

Court Case	No
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13. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	Issued vide letter No.IV/ENV/R/Mines-489/802/2010/701 dated 17.03.2020 by the RO, MOEF&CC, Lucknow has been submitted earlier.

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Certified past production	Issued time to time verification of gypsum production by the ME, DMG, Bikaner vide letter No.78, dated 18.09.2011, No.463 dated 12.08.2015 & No.126, dated 05.02.2019 has been submitted. The mines are not in operation since 17.07.2017.
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14. 21st EAC dated 24.09.2020 recommended and MOEF&CC vide letter dated 25.10.2020 communicated to extend EC life of mine up to 04.08.2040 subject to submission of approved mining plan and implementation of plantation.

S.No	MOEF&CC Directions	Reply
1	Submission of approved mining plan	The Scheme of Mining with Progressive Mine Closure plan approved by the SME, DMG, Bikaner on 07.07.2021 has been submitted.
2	Submission regarding implementation of plantation as per earlier proposal	Implementation of plantation at Bhurasar gypsum Mines has been submitted.

15. Details of the EMP:

Activities	Capital cost (Lakhs)	Recurring cost (Lakhs/annum)
Repairing and Maintenance of haul and rural roads per year.	----	1.00
Water tanker for sprinkling on Haul road and for plantation per year.	0.00	5.00
AAQM on 6 monthly basis per year.	---	0.80
Plantation (Cost of plants, water arrangement, plantation through villagers (Labour cost) per year.	----	1.10
Environment Protection Equipment like Helmet, earmuff, goggles, safety shoes, Gloves, Mask, First Aid facilities etc. per year.	0.50	0.10
Construction of water Diggi (Pond) as demanded at village Bhurasar. (one time)	5.00 (Constructed)	Are being maintained by Gram Panchayat as handed over to them for use of local villagers.
Construction of Community Centre at nearby village Managwala. (one time)	10.00 (Constructed)	

16. Details of project cost and employment:

Particulars	(Rs. In Lakh)	
Capital Cost for Environment Protection	On contract	
Cost for EMP	15.50	
Recurring Cost for EMP	8.00	
Project Cost	Item	Cost in Lac Rs.
	Hydraulic Excavator	70.00
	Tractor with Water Tanker	8.00
	Tractor with Water Scrapper	8.00
	Bunk House	7.00
	Land arrangement for mining on mutual consent basis from Khatedars for use of few month for excavation of Gypsum @Rs.70/-per MT on production basis (mineable Gypsum reserves in private land 2.12 Lac MT x Rs. 70/- per MT rate of compensation)	148.40
	Total	241.40
	Employment	26 persons

18. Observation and Recommendation of the Committee: After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting held during 27th to 30th July 2021 **reiterated** the recommendations of 21st EAC meeting held during September 23-25, 2020 as the necessary submissions have been made and **recommended** the proposal for amendment in Environmental Clearance granted vide letter no. 11015/456/2008-IA. II (M) dated 28.01.2016 for (i) to reduce Gypsum production capacity from 2 Lac TPA to 1 Lac TPA (ii) to increase the life of mine till 04.08.2040 for Bhurasar Gypsum Mining Project (MLA: 280.50 ha) located near village Bharusar, Tehsil- Kolayat, District-Bikaner, Rajasthan of M/s. Rajasthan State Mines & Minerals Limited. All other conditions shall be applicable as per EC amendment letter no. J-11015/456/2008-IA. II (M) dated 28th January, 2016.

DAY 2 - 28.07.2021 (Wednesday)

2.1 Proposal for Environmental Clearance for expansion of Aniali Rana Bordi Limestone Mining Project with expansion in production capacity from 80,000 TPA to 1,75,000 TPA located at Village: Aniali, Tehsil: Ranananv, District: Porbandar, Gujarat (MLA: 12.27 Ha) by M/s TATA Chemicals Limited – [Proposal no: IA/GJ/MIN/213741/2017; File No. IA-J-11015/100/2018-IA-II(M); Consultant: In Situ Enviro Care] - EC

1. EAC Meeting Details:

EAC meeting	34 th EAC (Non Coal Mining)
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Project	Proposal for Environmental Clearance for expansion of Aniali Rana Bordi Limestone Mining Project with production capacity of 1,75,000 TPA located at Village: Aniali, Tehsil: Ranananv, District: Porbandar, Gujarat (MLA: 12.27 Ha)	
Location	Village	Aniali
	Tehsil/Taluka	Rananav
	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"
	SolTopo sheet No.	207/p
Company Name	M/s TATA Chemicals Limited	
Accredited Consultant Organisation and its certificate no.	In Situ Enviro Care and NABET/EIA/1821/RA0070	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	A
Provisions	EIA Notification, 2006
Mining lease Area (MLA)	12.27 Ha
General condition	BardaWildlife 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	Mining plan, lease documents, past production details.
EAC meeting date	28-29 Sept., 2018
ToR Letter No.	J-11015/100/2018-IA.II (M)
ToR grant Date	9 th October 2018
Production capacity	From 80,000 TPA to 1,75,000 TPA
Soil	4,000 m ³
Waste	Nil
Others	--
Total Excavation	7,30,000 (for 5years)
Crusher	--
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
Date of earlier EAC meetings	32 nd EACmeeting (Non-Coal Mining Sector) held during 28 th June 2021 to 1 July, 2021wherein the proposal was deferred as PP did not attended the meeting

5. Lease Details:

Granted Lease deed	Date of entering into original lease deed: 23.12.1966 till 22.12.1986	
1st renewal of lease	Application date	02.09.1985
	Order no.	MCR-1585- (T-43)-4266-CHH
	Date	22.11.2004
	Valid till	22.12.2006
2 nd renewal of lease	Application letter	AW/G/1409/2005
	Application date	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. Observation and Recommendation of the Committee: The Committee noted that proposal is for expansion in production capacity of limestone from 80,000 TPA to 1,75,000 TPA which is a sudden jump in the production capacity in a small mine lease area i.e. 12.27 Ha. Also, the instant proposal is close to Barda Wildlife Sanctuary. After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting during 27th to 30th July 2021 **deferred** the proposal for want of following information:

- 1) The project proponent needs to submit the details of extraction of 80,000 TPA limestone as per approved mining plan with working days in place.
- 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.
- 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.
- 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.
- 5) The project proponent needs to submit the Certificate obtained from DMG that no mining activity has been carried out outside the lease area.
- 6) PP needs to submit the mining methodology with safety measures and surface plan.
- 7) Total excavation of all the three mines and stage mining plan needs to be submitted.

2.2 Proposal for Terms of Reference under the provision of Notification S.O. 1530(E) dated 06.04.2018 of Madukkrai Limestone Mine by M/s ACC Ltd. with Limestone Production Capacity of 0.481 MTPA and waste / topsoil 345000 M³ per annum (Maximum) in the Mining lease Area 135.55 ha located at Villages: Madukkarai, Kurichi & Ettimadai, Tehsil: Madukkarai, District: Coimbatore, Tamil Nadu [Proposal no: IA/TN/MIN/81468/2018; File No. J-11015/172/2018-IA.II(M); Consultant: Perfect Enviro Solutions Pvt. Ltd] –ToR

1. EAC Meeting Details:

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EAC meeting	34 th EAC(Non Coal Mining)
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Proposal	Revalidation of EC under EIA Notification 2006 as per MoEF&CC Notification SO1530(E) dated 6th April 2018 for existing Madukkarai Limestone Mine-(MI No. 674) Area: 135.55 ha. with Limestone Production Capacity of 0.481 Million TPA and waste / topsoil 773,943 tons per annum (Maximum)	
Location	Village	Madukkarai, Kurichi&Ettimadai
	Tehsil/Taluka	Coimbatore South
	District	Coimbatore
	State / UT	Tamil Nadu
	Latitudes	10° 53'54.5"N to 10° 56'20.7"N
	Longitudes	76°54'16.8"E to 76°58'19.1"E.
	SoI Topo sheet No.	58B/13
Company's Name	M/s. ACC Limited.	
Accredited Consultant and certificate no.	Perfact Enviro Solutions Pvt Ltd. (NABET/EIA/1922/RA 0184)	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	A
Provisions	Under EIA Notification 2006 as per MoEF&CC Notification SO1530(E) dated 6th April 2018
Mining lease Area (MLA) (in ha.)	135.55 Ha
Additional information (if any)	The company has three almost contiguous mining leases having area 2.71 ha, 14.51 ha and 135.55 ha. One of these mines (14.51 ha) was appraised in EAC dated 11.12.2020. The TOR issued for these mines has a specific condition, which suggests a combined impact assessment study of all the three mines and cement plant.

4. ToR/EC Details:

ToR Proposal No.	IA/TN/MIN/81468/2018
Online application date for Form-I	05.10.2018
Documents Submitted	Form 1, PFR, Brief summary

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EAC meeting date	The project was earlier considered in the EAC meeting held on 15.11.2020
Production capacity	0.481 MTPA
Soil	Nil
Waste	138025.5 TPA
Others	Reject- 635917.5 TPA
Total Excavation	12,49,893 TPA
Crusher	Crusher is situated within the cement plant.It is completely enclosed in a covered building to minimize sound propagation and have deployed crusher plant & drill machines equipped with bag filter to suppress generation of dust into atmosphere.
Previous EC details	The project was granted an Environment Clearance (EC) vide N-J-11015/110/2005-IA.II(M) dated 21.06.2005 under EIA notification 1994 and Public hearing was carried out on 04.03.2005.
Additional details	The project is submitted for revalidation of EC under EIA Notification 2006 as per MoEF&CC Notification SO1530(E) dated 6th April 2018

5. Lease Details:

Granted Prospecting Licence	Area	NA, as the lease was executed on 01.09.1933 and valid upto 31.03.2030 as per MMDR Amendment Act 2015
	Execution date	
	PL No.	
Application for the Mining lease area and Date	01.09.1933(Date of Execution of lease deed)	
Validity of mine lease	31.03.2030	

Additional information	<p>The Original lease was granted by the State Government covering an area of 168 ha for the period of 30 years i.e., from 01.09.1933 to 30.08.1963. According to the modification the lease period was reduced to 27 Years and Expired on 31.08.1960.</p> <p>First renewal of mining lease was granted vide GO no-6922 dated 13.12.1961 for a period of 20 years and expired on 30.08.1980.</p> <p>Second renewal of mining lease was granted vide GO no-838 dated 18.07.1984 for 6 years and expired on 30.08.1986. During the second renewal of the mining lease, area was reduced to 337.55 Acres(136.60 ha) from the area granted in the mining lease in 1933 i.e 415.14 acres(168 ha).</p> <p>Third renewal of mining lease was granted vide GO No-674, dated 22.09.1989 for a period of 10 years and expired on 30.08.1996. In the third renewal of mining lease area has been reduced to 334.55 Acres (135.5 ha) from the area granted in second renewal i.e. 337.55 Acres(136.60 ha).</p> <p>Application for fourth renewal of lease for a period of 20 years from 31.08.1996 is pending with the state government</p> <p>The lease is valid upto 31.03.2030 as per the section 8A(5) of MMDR Amendment act 2015.</p>
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6. Observation and recommendation of the Committee: The Committee noted that on 15.11.2018, PP was asked to submit the certificate from DMG that no mining activity has been carried out outside the mine lease area, but PP has not submitted it yet. It was also noticed that scope has been changed as per the earlier EC granted vide No. J-11015/110/2005-IA.II(M) dated 21.06.2005. After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting during 27th to 30th July 2021 **deferred** the proposal for want of following information:

- 1) The project proponent needs to submit the complete existing status of mining (block-wise), total excavation, top soil, waste, overburden/mineral reject production separately.
- 2) The project proponent needs to submit the Certificate obtained from DMG that no mining activity has been carried out outside the lease area.

2.3 The proposal for re-validation of EC under EIA notification 2006 (Amended vide Govt. of India Gazette Notification S.O. 1530 (E) dated 6th April 2018) of Madukkarai Limestone Mine (GO 641) with Limestone Production Capacity of 800 Tonnes per annum and waste / topsoil 275.9 CuM per annum (Maximum) in the mining lease area of 2.71 ha at Kurichi village, Coimbatore Taluk & District, Tamil

Nadu State - [Proposal no: IA/TN/MIN/81347/2018; File No. J-11015/42/2021-IA-II(M); Consultant: Perfact Enviro Solutions Pvt. Ltd.] –ToR

1. EAC Meeting Details:

EAC meeting	34 th EAC(Non Coal Mining)
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Proposal	Existing Limestone Mine (Area: 2.71 ha.) with Limestone Production Capacity of 800 Tonnes per annum and waste / topsoil 275.9 CuM per annum (Maximum)	
Location	Village	Kurichi
	Tehsil/Taluka	Coimbatore
	District	Coimbatore
	State / UT	Tamil Nadu
	Latitudes	10°55'37.20"N, to 10°55'54.50"N,
	Longitudes	76°57'35.10"E to 76°57'57.70"E
	Sol Topo sheet No.	58 B/13
Company's Name	M/s. ACC Limited.	
Accredited Consultant and certificate no.	Perfact Enviro Solutions Pvt Ltd. (NABET/EIA/1922/RA 0184)	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	B (A due to clustering)
Provisions	Under EIA Notification 2006 as per MoEF&CC Notification SO1530(E) dated 6th April 2018
Mining lease Area (MLA)	2.71 ha
Additional information	The company has three almost contiguous mining leases having area 135.55ha, 14.51 ha and 2.71 ha. One of these mines (14.51 ha) was appraised in EAC dated 11.12.2020. The ToR issued for this mines has a specific condition, which suggests a combined impact assessment study of all the three mines and cement plant.

4. ToR/EC Details:

ToR Proposal No.	IA/TN/MIN/81347/2018
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Online application date for Form-I	04.10.2018
Documents Submitted	Form 1, PFR, Brief summary and EDS reply
EAC meeting date	28.07.2021
ToR Letter No.	NA
ToR grant Date	NA
Production capacity	800 TPA
Soil	Nil
Waste	800 TPA
Others	Nil
Total Excavation	1600 TPA
Crusher	Crusher is situated outside the lease area within the plant site.

5. Lease Details:

Granted Prospecting Licence	Area	NA, as the lease was executed on 19.08.1968 and valid upto 31.03.2030 as per MMDR Amendment Act 2015
	Execution date	
	PL No.	
Application for the Mining lease area and Date	19.08.1968 (Date of Execution of lease deed)	
Validity of mine lease	31.03.2030	
Additional information	<p>The Original lease was granted by State Government on 19.08.1968 for the period of 20 years.</p> <p>The mining lease was renewed on 02.04.1990 for a period of 10 years i.e from 1988 to 1998.</p> <p>Further, the mining lease renewal was granted in 2010 for another 20 years Commencing from 19.08.1998 for a period of 20 years.</p> <p>Now, as per MMDR act being a captive mine the mining lease is deemed to be extended up to March 2030.</p> <p>The application for grant of supplementary lease deed has been submitted on 08.07.2015.</p>	

6. Observation and Recommendation: The proposal was considered in the 34th EAC meeting held during 27th to 30th July 2021. The company has three almost contiguous mining leases having area 135.55ha, 14.51 ha and 2.71 ha. One of these mines (14.51 ha) was appraised in EAC dated 11.12.2020. The ToR issued for mines has a specific condition, which suggests a combined impact assessment study of all the three mines and cement plant due to which PP applied at central level. The Committee noted that the instant proposal is of 2.71 ha and no general condition exists. The instant proposal will be considered a category 'B' project and will be appraised at state level. Therefore, the Committee **returned the proposal in present form.**

2.4 The proposal for Terms of Reference for enhancement of production from 95,000 TPA to 2,80,000 TPA of existing Ball, China clay and Silica sand mining project in the Mining lease area of 86.90 Ha located at Village: Litariya, Tehsil: Jaitram, District: Pali, Rajasthan by M/s Dariyav Kanwar - [Proposal no: IA/RJ/MIN/62995/2017; File No. IA-J-11015/39/2017-IA-II(M)] –ToR

1. EAC Meeting Details:

EAC meeting	34 th EAC Meeting
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Proposal	Ball Clay, China Clay & Silica sand Mining Project	
Location	Village	Litariya
	Tehsil/Taluka	Jaitaran
	District	Pali
	State / UT	Rajasthan
	Latitudes	26°20' 15.53" To 26°20' 59.65"N
	Longitudes	73°53'14.46" To 73°53'54.66"E
	SoI Topo sheet No.	45F/15
Company's Name	Proponent : Dariyav Kanwar W/o Sh. Vishan Singh	
Accredited Consultant and certificate no.	Ambiental Global Private Limited NABET/EIA/1922/IA0047	
KML file	Submitted	
Seismic zone	II	

3. Category details:

Category of the project	Category A
Provisions	EIA Notification 2006
Mining lease Area (MLA)	86.90 Ha
Additional information	Project proponent applied for TOR on 3.03.2017, at that time above 50 Ha proposal was considered at Central Level. Ministry vide letter dated 1.07.2019 and 4.06.2020 informed to project proponent that as per Ministry's

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	circular dated 22 nd October, 2017, “In cases, the proposal is appraised by the EAC due to non-existence of SEIAA/SEAC, then irrespective of whether recommended, deferred or additional information sought, it will continue to be appraised and decided at the Central level, even if the SEIAA/SEAC is constituted later on”.
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4. ToR Details:

ToR Proposal No.	IA/RJ/MIN/62995/2017
Online application date for Form-I	3 rd March 2017
Documents Submitted	6 th march 2017
EAC meeting date	27 th -28 th April 2017
ToR Letter No.	IA-J-11015/39/2017-IA-II(M)
ToR grant date	25.05.2018 (Standard ToR)
Production capacity	280,000 MTPA
Soil	Nil
Waste	50888 MT (Five Year)
Others	Nil
Total Excavation	1099181 MT (Five Year)
Crusher	Nil
EIA/EMP uploaded on	12/06/2019 to SEIAA
Previous EC details	Lettern. J-11015/361/2006-IA.II(M) dated 19th June 2009 for enhancement of production from 12,000 TPA to 95,000 TPA. And letter no. J-11015/16/2003-IA.II(M) on dated 29th November 2004 for production 12,000 TPA.
Date of earlier EAC meetings	17 th Meeting on 27 th -28 th April 2017
Additional details	PP submitted that final proposal for EC submitted incorporated TOR and Public hearing points as per Notification dated 14.08.2018 as the lease area is less than 100 Ha. Earlier the proposal was considered in Cat. A by EAC New Delhi vide TOR granted date 25.05.2018.

5. Lease Details:

Granted Prospecting License	Area	86.90 Ha.
	Execution date	01.05.1997
	PL No.	This is an existing mining lease
Application for the Mining lease area and Date	01.07.1994	

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Validity of mine lease	30.04.2047	
Letter of Intent	Letter No.	Existing mining lease.
	Date	-
Additional information	Lease validity has been extended for 50 years vide letter no. ME/SOJAT/MAJOR/ML/7/1994/213 dated 08.12.2016 and valid upto 30.04.2047	

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	SME/JO/CC/SOJAT/MINOR/ML)/07/1994/7178
	Date	24.01.2017
	Validity	Upto23.01.2022
Mining Parameters	Quantitative Description	
Bench Height	3.0mtr	
Bench Width	More than 5 meter	
Method of Mining	Semi-mechanized opencast method	
Individual bench slope	45° (Max.)	
Overall pit slope	45° (Max)	
Drilling/Blasting	No drilling and blasting will be carried out as mineral is soft in nature.	
RoM output size	2.80 Lac TPA of China Clay, Ball Clay, Silica Sand	
Life of mine	51 Years	
Transportation details	Mineral will be transported by Trucks and dumpers	
Dumpers capacity	10 Tonne	

7. Land Area Breakup:

Private land	84.70 Ha.
Government land	2.20 Ha.
Total Mining lease area (MLA)	86.90 Ha.
Private land for crusher, workshop & other infrastructure outside the MLA	NA

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

Particulars	Particular's Name	Distance &Directions
Litaria	Litaria village	2.0km in South
Railway Station Bilara	Railway Station	30 km in South west

9. Water requirement

Total water requirement	8 KLD	Fresh water	8 KLD
		Treated water	NA

Source	Water will be source from tubewells from nearby villages through tankers water supply.
Permission	Not required as no ground water will be abstracted from ground water from project site.

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	Certificate of DFO vide letter no. F()2019-20/survey/2240 dated 30.04.2019
National park		No	
Wildlife Sanctuary		No	

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

11. Green belt/plantation details:

Proposed area for green belt/plantation	28.67 Ha. (11.4Ha. Within lease area and remaining about 17.27 Ha. Will be carried out at earmarked place outside the lease area.
Budget for green plant& plantation till the end of life of mine.	Rs. 4.0 Lac. Per annum
Budget for nursery	NA
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	4.28 Ha. barrier
50 m safety zone of nallah, roads, electric lines	NA
500 m safety zones of nearest habitation villages	NA

12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	October, November, December 2017
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Post Monsoon Season

13. Public Hearing (PH) Details

Advertisement for PH with date	17.01.2019
Date of PH	21.02.2019
Venue	AtalSeva Kendra, Gram Kanecha,

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	Jaitaran, District Pali
Chaired by	Hon'ble ADM
Main issues raised during PH	NA
Budget proposed for addressing issues raised during PH	Rs2.5 Lac for five Years

14. Court case details:

Court Case	No
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15. Rehabilitation & Resettlement:

R & R details	NA
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16. Affidavit/Undertaking details:

Affidavit/Undertaking	Submitted
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17. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	F.No.IV/Env./R/MINE-454/744/09/43 dated 11.04.2018
Certified past production	ME/Sojat/Static/2017/ 509/10 Dated 20.06.2018 and ME/Sojat/Minor/ 7/994/493 dated 05.05.2021

18. ADS details

S.No	ADS Point	Reply
	Submission of Authentic Production details and certified EC Compliance Report	Uploaded on 23.05.2018 and copies submitted on 25.05.2018

19. Details of the EMP

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Plantation, Air Pollution control, Greenbelt development, Env. Monitoring	0.1	0.05

20. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	10 Lac
Budget for addressing the Public Hearing issues	2.5 Lac for Five Years

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Total Cost for EMP	10 Lac
Recurring Cost for EMP	5.0 Lac per annum
Project Cost	150 Lac (1.50Crore)
Employment	65 No's direct and about 300 No's indirect employment opportunities in nearby villages.

21. Observation and recommendation of the Committee: The Committee during its meeting held during 27th to 30th July 2021 noted that standard ToR was automatically issued to project proponent for the instant proposal on 25th May 2018. The Committee **recommended** to submit the ToR compliance, EIA/EMP report, PH details as per EIA, 2006 notification on Parivesh portal for enhancement of production from 95,000 TPA to 2,80,000 TPA of existing Ball, China clay and Silica sand mining project in the Mining lease area of 86.90 Ha located at Village: Litarya, Tehsil: Jaitram, District: Pali, Rajasthan by M/s DariyavKanwar.

2.5 The proposal for Environmental clearance of Gaurala & Somnala Limestone & Dolomite for the production capacity of Limestone 2,37,486 TPA and Dolomite 12,500 TPA with the total excavation of 2,49,986 TPA in the Mining lease area of 116.13 ha located at Village Gaurala, Tehsil Maregaon, District Yavatmal. State Maharashtra, by M/s Maharashtra State Mining Corporation Limited - [Proposal no: IA/MH/MIN/134688/2018; File No. 23-246/2018 IA-III (V)] –EC (Violation)

1. EAC Meeting Details:

EAC meeting	34 th EAC Meeting
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Proposal	Gaurala and Somnala Limestone and Dolomite Mine	
Location	Village	Gaurala
	Tehsil/Taluka	Maregaon
	District	Yavatmal
	State/ UT	Maharashtra
	Latitudes	20 ^o 06'19.1-20 ^o 05'0.1
	Longitudes	78 ^o 51'20.1-78 ^o 51'29.6
	SoI Topo sheet No.	55L/16
Company's Name	Maharashtra State Mining Corporation Limited	

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Accredited Consultant and certificate no.	Enviro Techno Consult Private Limited NABET/EIA/1922/RA0163
KML file	Submitted
Seismic zone	Zone III

3. Category details:

Category of the project	A; 1 (a)
Provisions	EIA Notification 2006
Mining lease Area(MLA)	116.13 Ha

4. ToR/EC Details:

ToR Proposal No.	IA/MH/MIN/74203/2018
Online application date for Form-I	11.04.2018
Documents Submitted	FormI, PFR, Draft Mining Plan, Violation Details
EAC meeting date	13 th EAC-Violations dated 18 th Sept. 2018
ToR Letter No.	23-246/2018.IA.III(V)
ToR grant Date	04.01.2021 vide EAC reference 18.09.2018
Production capacity	Limestone: 741.94 TPD
Soil	Nil
Waste	82.46 Tonnes/day (OB+Rejects)
Others	Nil
Total Excavation	824.4 TPD
Crusher	Not proposed
EIA/EMP uploaded on	16.07.2021

5. Lease Details:

Granted Prospecting Licence	Area	116.13 Ha
	Execution date	Lease execution for renewal of lease is pending. Renewal order is issued on 13.10.2006
	PL No.	Not Applicable
Application for the Mining lease area and Date	Lease execution for renewal of lease is pending. Renewal order is issued on 13.10.2006	
Validity of mine lease	Till 11.12.2024	
Letter of Intent	Letter No.	MMN-1006/C.R.2065/Ind-9
	Date	13.10.2006

6. Observation and Recommendation of the Committee: The Committee observed various deficiencies in the preparation of damage assessment report such as PP did not include impact / extinction of seasonal Nallahs due to mining activity, damage on air environment due to different activities involved during mining activities. After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting during 27thto 30th July 2021 **deferred** the proposal for want of following information:

- 1) Form 2 shall be rectified/ revised, as there are variations in the information submitted in tabular form during the presentation.
- 2) Details of total excavation including waste, top soil & rejects besides ROM shall be provided per annum.
- 3) Details/status of credible action initiated.
- 4) Details of Public hearing grievances, action plan proposed to address the same with specific & monitorable budget to be presented in tabular format. The total budget shall not be less than 2% of project cost.
- 5) Project Capital cost breakup to be revised including land cost.
- 6) Land Use / Land Cover of project area prior to 1994, present and conceptual plan at end of life of mine to be provided.
- 7) Following revision needs to be submitted in Damage Assessment report:
 - All ecological attributes like Air, Water, Noise, Waste Management, OHS, RA, Ecology & Biodiversity, etc damages to be computed and submitted.
 - Damage on air environment due to different activities involved during mining shall be considered and the emission due to same shall be quantified with / without control measures in a tabular format, year wise from 1994-95 till 2012.
 - GW consumption / abstraction without prior NOC and non provision of SW structures like GD, Settling Tank/Pond, etc during the violation period shall be assessed for damage under SW & GW regime.
 - Deficit of plantation against 33% of Mine lease area shall be quantified and damage for same to be assessed on pro-rata basis considering the balance life and proposed total production.
 - Total damage assessed shall be equated and spent under Remediation Plan cost, Natural & Community Resource Augmentation plan cost.

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- Profit earned and cost saved in EMP during violation period shall be included under Community Resource Augmentation plan cost.

2.6 Proposal for Environmental Clearance of New Umrangshu Limestone Mine with proposed production of 4,44,500 TPA (ROM) in the mining lease area of 200 Ha located near Village - New Umrangshu, Taluka - Umrangshu, Distt - Dima Hasao (N.C. Hills), State Assam by M/s Assam Mineral Development Corporation Limited (AMDC) - [Proposal no: IA/AS/MIN/160713/2017; File No. J-11015/19/2017-IA.II(M)] - Reconsideration of EC (Violation)

1. EAC Meeting Details:

EAC meeting	34 th EAC Meeting
Date of Meeting	27 th – 30 th July 2021

2. Project details:

Name of the Proposal	New Umrangshu Limestone Mine	
Location	Village	New Umrangshu
	Tehsil/Taluka	Umrangshu
	District	Dima Hasao (N.C. Hills)
	State / UT	Assam
	Latitudes	25°31'17.27" :: 25°32'40.56" N
	Longitudes	92°47'54.36" :: 92°47'26.39" E
	SolTopo sheet No.	83C/NE & 83C/14
Company's Name	M/s Assam Mineral Development Corporation Ltd.	
Accredited Consultant and certificate no.	UDAIPUR MIN-TECH PVT. LTD Accredited no. NABET/EIA/1720/SA 092 & RA, Valid up to 20 th Sept. 2021)	
KML file	Submitted	
Seismic zone	Zone-V [as per IS 1893(Part I):2002]	

3. Category details:

Category of the project	"A"
Provisions	EIA Notification 2006
Mining lease Area (MLA)	200.00 Ha

4. ToR/EC Details:

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ToR Proposal No.	IA/AS/MIN/160713/2017
Online application date for Form-I	22 nd Jan. 2017
Documents Submitted	Form 1, PFR, brief summary
EAC meeting date	16 th EAC meeting dated 21 st March 2017
ToR Letter No.	J- 11015/19/2017- IA II (M)
ToR grant Date	12 th April 2017
Production capacity	444,500 ROM (TPA)
Soil	Nil
Waste	Approx.13 .50 lac Cum
Others	Nil
Total Excavation	66.67 Lac Tones Limestone /13.50 Lac Cum Waste.
Crusher	Nil
EIA/EMP uploaded on	18 th March 2020
Previous EAC meeting/s for EC	19 th EAC meeting dated 22-24 July, 2020 and 27 th EAC Meeting dated 03- 05 th Feb. 2021

5. Lease Details:

Granted mine lease	Area	33 Ha
	Mineral	Limestone
	Letter no.	PEM/22/84/34
	Date	21.09.1985 for 20 years
	Execution date	30.09.1988 for 20 years
Grant of another mine lease	Area	167 Ha in the adjacent area in New Umrangsho
	Letter no.	PEM/22/84/228
	Date	17.06.1992
	Execution date	24.08.1992 for 20 years
Validity of mine lease	04.05.2030	
Additional information	The Govt. of Assam had approved the proposal of renewal and amalgamation of mine lease (33 Ha + 167 Ha) vide letter no. PEM.22/84/Pt.I/11B dated 05.05.2010 for a period of 20 years i.e. till 04.05.2030. The mine lease was then granted as per Gazette Notification, Ministry of Mine dated 4 th Jan. 2017, vide letter no. PEM.22/84/Pt-I/41 dated 10 th Jan. 2017.	

6. Observation and Recommendation of the Committee: The Committee observed various deficiencies in the preparation of damage assessment report such as PP did not include impact / extinction of seasonal Nallahs due to mining activity,

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damage on air environment due to different activities involved during mining activities. After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting during 27thto 30th July 2021 **deferred** the proposal for want of following information:

1. Form 2 shall be revised, as there are discrepancies in land use and others.
2. Details of total excavation including waste, top soil & rejects besides ROM shall be provided per annum.
3. Details/status of credible action needs to be submitted.
4. Details of Public hearing grievances, action plan proposed to address the same with specific & monitorable budget to be presented in table format. The total budget shall be not less than 2% of Project cost.
5. Project Capital cost/ breakup to be revised considering machinery, infrastructures and land cost
6. Land Use / Land Cover of project area Pre-94, Present and Conceptual plan at end of life of mine / lease to be provided in table format.
7. Following revision needs to be submitted in Damage Assessment report:
 - a. All ecological attributes like Air, Water, Noise, Waste Management, OHS, RA, Ecology & Biodiversity, etc damage to be revised.
 - b. Damage on air environment due to different activities involved during mining shall be considered and the emission due to same shall be quantified with / without control measures in a table format, year wise from 1994-95 till the suspension of mining.
 - c. Impact / extinction of seasonal Nallahs due to mining activity shall be considered damage as there were more than 4 nallahs at premining stage and at present only one nallah as presented before the EAC.
 - d. Under GW & SW regime, the cost spent against provision of parapathwall, garland drains and other SW structures shall be considered under EMP Cost.
 - e. GW consumption / abstraction without prior NOC during the violation period shall be assessed for damage besides partial provision of SW structures like GD, toe walls and settling pond/tank ,etc under SW & GW

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regime.(to further consider provision/non provision of RWH system for infra built over about 1.13 ha.

- f. Deficit of plantation against 33% of Mine lease area shall be quantified and damage for the same to be assessed on pro-rata basis considering the life till 2035.
- g. Total damage assessed shall be equated and spend under Remediation Plan cost, Natural & Community Resource Augmentation plan cost.
- h. Profit earned and cost saved in EMP during violation period shall be included against Community Resource Augmentation plan cost.

2.7 Proposal for Terms of Reference for Bhod Limestone mining project for production capacity of 1,24,032 TPA (MLA: 16.18 Ha) located at Survey No. 358/3, Village: Bhod, Tehsil: Ranavav, District: Porbandar, Gujarat by Shri Ashok Babubahi Sindhav - [Proposal no: IA/GJ/MIN/213585/2021; File No. IA-J-11015/44/2021-IA-II(M)] –ToR

1. EAC Meeting Details:

EAC meeting	34 th EAC Meeting (Non coal mining)
Date of Meeting	27 th to 30 th July 2021

2. Project details:

Name of the Project	Bhod Limestone mining project for production capacity of 1,24,032 TPA (MLA: 16.18 Ha)	
Location	Village	Bhod
	Tehsil/Taluka	Rananav
	District	Porbandar
	State / UT	Gujarat
	Latitudes	21 ^o 41'18.81" N
	Longitudes	69 ^o 46'48.08" N
	SolTopo sheet No.	358/3
Company Name	Shri Ashok Babubahi Sindhav	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	A
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Provisions	EIA Notification, 2006
Mining lease Area (MLA)	16.18 Ha
General condition	Protected areas notified under the wildlife (Protection) Act, 1972
Production capacity	1,24,032 TPA
Previous EAC meeting details	32 nd EAC Meeting (Non coal mining) dated 28 th June 2021 wherein PP did not attend the meeting

4. Lease Detail

Grant of mining lease by State Government of Gujarat	Mine lease was granted for mineral Limestone in the name of Shri Ashok Babubahi Sindhav. The lease is expired and application for renewal has already been done.	
Application for the Mining lease area and Date	Not submitted	
Application for the Mining lease Date	Not submitted	
Letter of Intent	Letter No.	Not submitted
	Date	Not submitted

5. Recommendation of the Committee: The Committee observed that project proponent in 32nd EAC Meeting (Non coal mining) dated 28th June 2021, wherein PP did not attend the meeting. Again, the Project Proponent during 27th to 30th July 2021 did not attend the meeting and no prior notice was received by the Ministry. No presentation and required documents were provided by the project proponent. Also, a sensitive matter of Barda Wildlife Sanctuary/ESZ issues are involved. Therefore, the Committee in its meeting during 27th to 30th July 2021 **deferred** the proposal.

Day 3 – 29.07.2021 (Thursday)

3.1 Proposal for Environmental Clearance (EC) of M/s My Home Industries Private Limited for Proposed Limestone Mine with total excavation of 1.036 MTPA (Limestone: 1.0 MTPA + Top Soil: 0.036 MTPA) in the mine lease area of 252.407 Ha located at villages Mellacheruvu and Yepalamadhavaram, Mellacheruvu Tehsil, Suryapet District, Telangana – [File No: J-11015/21/2017-IA. II(M); Proposal No: IA/TG/MIN/106308/2019, Consultant - B.S Envi-Tech Pvt Ltd] - Environmental Clearance (EC).

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s My Home Industries Private Limited is for grant of Environmental Clearance of Proposed Limestone Mine with total excavation of 1.036 MTPA (Limestone: 1.0 MTPA + Top Soil: 0.036 MTPA) in the mine lease area of 252.407 Ha located at villages Mellacheruvu and Yepalamadhavaram, Mellacheruvu Tehsil, Suryapet District, Telangana. The mine lease area is located between Latitude 16°47'13.20"N - 16°48'41.90"N and Longitude 79°55'57.30" E - 79°57'0.70"E. The mine lease area falls under the Survey of India Toposheet No: 56 P/13 and falls in Seismic Zone-II.

2. Project Proponent(PP) has made an online application vide proposal no.IA/TG/MIN/106308/2019 dated 19.03.2021 and submitted Form2 and EIA 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 the Central level.

3. The details of the Terms of References (TOR) are furnished as below:

Proposal No	Date of application	Considered in the EAC	Granted for	Date of accord
IA/TG/MIN/62819/2017	28.02.2017	April 27-28, 2017 & February 20-21, 2019	Production of 1.0 MTPA of Limestone (MLA: 252.407 Ha)	23.03.2019
IA/TG/MIN/106308/2019	24.05.2019	July 31, 2019	Amendment in ToR for including Total Excavation 1.036 MTPA [Limestone: 1.0 MTPA (ROM) & Topsoil: 0.036 MTPA)	03.09.2019

4. Details of Mine lease

S.no	Grant of mine lease order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Industries & Commerce (M-II) Department, vide Memo no. 5863/M.II(1)/2016-1	24.09.2016	Limestone	50 years	Govt of Telangana	252.407

5. 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	Indian Bureau of Mines	AP/NLG/MP/Lst-75/Hyd	20.07.2017	5 years	252.407 Ha

6. Observation and Recommendation of the Committee:

During presentation the EAC noted that the total mine lease area is 252.407ha out of which 210.067ha is the Agriculture land, 25.839ha is Govt land and 16.501ha is government dis reserve forest land and mine lease area is in the vicinity of Nagarjunasagar Left Irrigation Canal, the area may be treated as a good agricultural land. Thus, After detailed deliberations made by the Project Proponent and the Consultant, the Committee **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the Cost Benefit analysis for loss of agriculture in 112.4948 Ha. As committed by PP, the area of 95.016 Ha will remain undisturbed and the agricultural practice should continue till the life of the mine. An undertaking in this regard needs to be submitted by the PP.
- ii. The Project Proponent needs to submit the plan for progressive return of the agricultural land.
- iii. The Project Proponent needs to submit the time bound action plan for R&R of 103 PAPs in the patta land of 210.067 Ha with sustainable social benefits in a measurable form.
- 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 should bring out the action plan for creation of water body at the conceptual stage for the benefit of the farmers.
- vi. The Project Proponent needs to submit the revised plantation plan to complete within 3 years from the start of mining operations in peripheral area as well as backfilled area progressively. PP should undertake the plantation with suitable native species on all the benches proposed for creation of water body all along the periphery of open pit area shall be undertaken till the depth exposed above

- the average water level in the pit with survival rate more than 95%. An undertaking for the same also needs to be submitted by PP.
- vii. The Project Proponent should revise the EMP budget proposed for Public hearing of Rs 57 lakhs. Budget must include only capital expenditure related to environment protection, COVID health care facilities, drinking water facilities, plantation in public area, education and communication facilities for the betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity, smart classrooms, digital library and desktops/tablets. PP should also ensure that the budget proposed for skill development programme and other concerns expressed by the people other than the mentioned above shall be borne from the separate budget.
 - viii. The total budget proposed for EMP mentioned in the EIA report should not include budget for public as well as for post EC monitoring cost. Breakup of recurring cost with post EC monitoring for air, water, noise and vibration to be separately given. This revised R&R, Cost benefit analysis to be uploaded in Parivesh along with Mining Plan, accordingly revised EIA/EMP report also for further consideration of EC.
 - ix. The Project Proponent needs to submit the revised modeling of impacts due to transportation for both the mine i.e. instant mine and adjacent mine as only one road is being used for dispatch for its potential impact on the vicinity. The scenario for transporting the material using over bridge by avoiding highway also need to be explored.
 - x. The weighbridge shown outside the mine lease area need to be shifted within mine lease area and accordingly revised plan needs to be submitted.
 - xi. The Project Proponent needs to submit the revised letter from the Competent Authority for Flora and Fauna of the study area by mentioning the Schedule of species.
 - xii. The Project Proponent submitted that 16.501 Ha is Govt. waste land (Dis-Forest land). PP need to clarify whether 16.501ha (government dis reserve forest land) is forest or revenue forest land or waste land duly authenticated from the concerned Department.
 - xiii. The Project Proponent needs to submit the copy of executed lease deed.

3.2 Proposal for Terms of Reference of M/s Idio Construction and Industries India Ltd for Jalwa Quartz-Quartzite (Silica Stone) Mine with production capacity of 502968 TPA in the mine lease area of 19.8ha, located at plot/survey/khasra no-

2604, 2625, 2626, Village- Bishanpur, Kajra, Dist. Lakhisarai, Bihar – [File No: J-11015/86/2020-IA-II(M); Proposal No: IA/BR/MIN/219661/2021] - Terms of Reference (Violation).

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s Idio Construction and Industries India Ltd is for grant of Terms of Reference for Jalwa Quartz-Quartzite (Silica Stone) Mine with production capacity of 502968 TPA in the mine lease area of 19.8ha, located at plot/survey/khasra no- 2604, 2625, 2626, Village- Bishanpur, Kajra, Dist. Lakhisarai, Bihar. The mine lease area is covered under SOI Toposheet No: 72 K/8, 72 K/4 and bounded by Latitude 25°12'11.8"N to 25°12'23.8"N and Longitude 86°16'33.3"E to 86°17'07.9"E and falls in Seismic Zone IV.

2. M/s Idio Construction and Industries India Ltd initially applied for grant of ToR vide proposal No. IA/BR/MIN/27539/2015 on 08/05/2015 wherein PP informed that the National Green Tribunal, Principal Bench, New Delhi vide order dated 3rd June 2015, disposed of the application No. 42 of 2015 (EZ) (M.A. No. 131/2015 (EZ) submitted by PP with a direction to MoEFCC to consider the application for Environmental Clearance filed by the IDIO and pass appropriate order in accordance with law. The Proposal was considered in the 35th EAC meeting held between June 24-26, 2015 wherein the Committee observed that "this is a violation case as mine operated from 2001 to 2008 and 2011 to 2015 without obtaining prior Environmental Clearance. The MoEF&CC may take actions on violations as per OM dated 12.12.2012 and 27.06.2013. Based on the information furnished and presentation made by the project proponent and discussions held, the Committee prescribed the TORs." However, PP did not produce the Copy of ToR.

3. The Project Proponent again applied vide Proposal no: IA/BR/MIN/177645/2020 dated 06.10.2020 for prescribing Term of Reference (ToR) and submitted Form-1 and Prefsibility report. The proposal was considered in 25th EAC meeting held during 22nd -24th December, 2020 wherein the based on the documents submitted and presentation made by the project proponent and the Consultant, the Committee noted that the application shall be treated as fresh de novo application as per the Hon'ble NGT order and the Committee deferred the proposal for want of requisite information. PP vide Lr. No. ToR/IDIO/21/Mining/EDS dated 19.01.2021 requested to treat the proposal no. IA/BR/MIN/177645/2020 submitted in the name of Renu Singh and signed by other authorized signatory as null and void as Renu Singh is not holding any Director status in

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IDIO Construction & Industries (India) Ltd. and the proposal was withdrawn thereafter a new proposal was submitted vide proposal no. IA/BR/MIN/188268/2020 dated 18.03.2021 and the proposal was placed in the 30th EAC meeting held during 6th - 8th April, 2021 wherein the Committee returned the proposal in present form and asked PP to submit the correct proposal in the name of legal person who has been accorded the LOI and other valid documents with complete details of the proposal.

4. Now, the Project Proponent applied a fresh proposal for Terms of Reference vide online proposal no: IA/BR/MIN/219661/2021 dated 12.07.2021 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 project attracts general condition as mining lease area located at distance of approx. 3 km, S from Bhimbandh Wildlife Sanctuary and appraised at Central level.

5. Details of Mine lease

S.no	Grant of mine lease order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Sa.Aa.Sa.977/M., Patna	30.05.2001	Jalwa Quartz-Quartzite (Silica Stone)	30 years (23.08.2001 - 22.08.2031)	Govt. of Bihar	19.80

6. Details of Mine Plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated Approval of	For period a	Details
1	Additional Secretary, Mines & Geology Department, Govt. of Bihar	Lr. No. 2497/M. Patna	28.08.2020	2019-20 to 2023-24	Quartzite

7. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, the Committee opined that SOP dated 07.07.2021 issued by the Ministry for

identification and handling of violation cases under EIA, 2006 has been stayed by the Madurai bench of Hon'ble High Court of Madras vide order dated 15.07.2021. The Committee was of the view that PP should approach Ministry after the final adjudication of the Hon'ble High Court. Therefore, the Committee **returned the proposal in present form.**

3.3 Proposal for Terms of Reference of M/s Idio Construction and Industries India Ltd for Jalwa Quartz-Quartzite (Silica Stone) Mine with production capacity of 502968 TPA in the mine lease area of 19.8ha, located at plot/survey/khasra no- 2604, 2625, 2626, Village- Bishanpur, Kajra, Dist. Lakhisarai, Bihar – [File No: J-11015/86/2020-IA-II(M); Proposal No: IA/BR/MIN/219237/2021] - Terms of Reference (Violation)

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s Idio Construction and Industries India Ltd is for grant of Terms of Reference for Jalwa Quartz-Quartzite (Silica Stone) Mine with production capacity of 502968 TPA in the mine lease area of 19.8ha, located at plot/survey/khasra no- 2604, 2625, 2626, Village- Bishanpur, Kajra, Dist. Lakhisarai, Bihar. The mine lease area is covered under SOI Toposheet No: 72 K/8, 72 K/4 and bounded by Latitude 25°12'11.8"N to 25°12'23.8"N and Longitude 86°16'33.3"E to 86°17'07.9"E and falls in Seismic Zone IV.

2. M/s Idio Construction and Industries India Ltd initially applied for grant of ToR vide proposal No. IA/BR/MIN/27539/2015 on 08/05/2015 wherein PP informed that the National Green Tribunal, Principal Bench, New Delhi vide order dated 3rd June 2015, disposed of the application No. 42 of 2015 (EZ) (M.A. No. 131/2015 (EZ) submitted by IDIO with a direction to MoEFCC to consider the application for Environmental Clearance filed by the IDIO and pass appropriate order in accordance with law. The Proposal was considered in the 35th EAC meeting held between June 24-26, 2015 wherein the Committee observed that “this is a violation case as mine operated from 2001 to 2008 and 2011 to 2015 without obtaining prior environmental Clearance. The MoEF&CC may take actions on violations as per OM dated 12.12.2012 and 27.06.2013. Based on the information furnished and presentation made by the project proponent and discussions held, the Committee prescribed the TORs.”

3. The Project Proponent again applied vide Proposal no: IA/BR/MIN/177645/2020 dated 06.10.2020 for prescribing Term of Reference (ToR) and submitted Form-1 and Prefeasibility report. The proposal was considered in 25th EAC meeting held during 22nd -24th December, 2020 wherein the based on the documents submitted and presentation

made by the project proponent and the Consultant, the Committee noted that the application shall be treated as fresh de novo application as per the Hon'ble NGT order and the Committee deferred the proposal for want of the additional information. PP vide Lr. No. ToR/IDIO/21/Mining/EDS dated 19.01.2021 requested to treat the proposal no. IA/BR/MIN/177645/2020 submitted in the name of Renu Singh and signed by other authorized signatory as null and void as Renu Singh is not holding any Director status in IDIO Construction & Industries (India) Ltd. and the proposal was withdrawn thereafter a new proposal was submitted vide proposal no. IA/BR/MIN/188268/2020 dated 18.03.2021 and the proposal was placed in the 30th EAC meeting held during 6th - 8th April, 2021 wherein the Committee returned the proposal in present form and asked PP to submit the correct proposal in the name of legal person who has been accorded the LOI and other valid documents with complete details of the proposal.

4. Now, the Project Proponent applied a fresh proposal for Terms of Reference vide online proposal no: IA/BR/MIN/219237/2021 dated 12.07.2021 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 project attracts general condition as mining lease area located at a distance of approx. 3 km, S from Bhimbandh Wildlife Sanctuary and appraised at Central level. Similar proposal has been submitted by the PP vide proposal no: IA/BR/MIN/219661/2021.

5. Details of Mine lease

S.no	Grant of mine lease order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Sa.Aa.Sa.977/M., Patna	30.05.2001	Jalwa Quartz-Quartzite (Silica Stone)	30 years (23.08.2001 - 22.08.2031)	Govt. of Bihar	19.80

6. 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	Additional Secretary, Mines &	Lr. No. 2497/M. Patna	28.08.2020	2019-20 to 2023-24	Quartzite

Geology Department, Govt. of Bihar				
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7. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, the Committee noted that similar proposal was applied by the Project Proponent vide proposal no: IA/BR/MIN/219661/2021 dated 12.07.2021. PP informed the Committee that due to technical problem proposal has been uploaded twice and requested to treat the proposal no: IA/BR/MIN/219661/2021 dated 12.07.2021 and the instant proposal will be withdrawn. PP also submitted a request letter vide Ref No: TOR/IDIO/21/Mining dated 30.07.2021 to treat the instant proposal as withdrawn. The Committee therefore **rejected** the proposal.

3.4 Proposal for Amendment in ToR dated 26.03.2021 for exemption of Public Hearing for Choutapalli limestone mine with the total excavation of 2.17 MTPA (Limestone: 1.82 MTPA + Topsoil: 0.35 MTPA) in the amalgamated mining lease area of 262.247 ha, located at Choutapalli Village Of Mattampalli Mandal and Mellacheruvu Village Of Mellacheruvu Mandal, Suryapet District, Telangana – [File No.: J-11015/46/2019-IA.II(M); Proposal No: IA/TG/MIN/218742/2021, Consultant - B.S Envi-Tech Pvt Ltd] - Amendment in ToR

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s My Home Industries Private Limited is for Amendment in ToR dated 26.03.2021 for exemption of Public Hearing for Choutapalli limestone mine with the total excavation of 2.17 MTPA (Limestone: 1.82 MTPA + Topsoil: 0.35 MTPA) in the amalgamated mining lease area of 262.247 ha, located at Choutapalli Village Of Mattampalli Mandal and Mellacheruvu Village Of Mellacheruvu Mandal, Suryapet District, Telangana. The mine lease area is located between Latitude 16° 46'55.10"N to 16° 48'10.50"N and Longitude 79°53'21.40"E to 79° 54'35.20" E. The mine lease area falls under the Survey of India Toposheet nos. 56 P/13.

2. M/s My Home Industries Private Limited has made an online application vide online proposal no: IA/TG/MIN/218742/2021 dated 20.07.2021 and submitted Form 3 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 as the mining lease area is greater than 100 ha and appraised at the Central level.

3. The Project Proponent submitted that My Home Industries Private Limited (MHIPL) obtained EC vide Lr. J- 11015/25/2006-IA.II (M) dated 26th May 2006 for its captive Limestone mine i.e., Choutapalli Limestone Mine [ML area 46.08 Ha & 1.00 million TPA production] under the provisions of EIA notification, 1994. Further, MHIPL also obtained EC vide Lr. J-11015/5762007-IA.II (M) dated 31st July 2008 for its captive Limestone mines i.e., Choutapalli Limestone Mine - 2 [ML area 216.167 Ha & 0.82 million TPA production] located under the provisions of EIA notification, 2006. Both the above leases were amalgamated in the year 2008 as per specific condition No.iii of EC dated 31st July 2008, mining leases shall be amalgamated. The State Government has accorded permission under Rule 38 of MCR 1960 for amalgamation of existing two mining leases held by M/s. My Home Industries Limited for Limestone over an extent of 262.247 Ha vide G.O.Ms.No 328 dated 12.12.2008 into a single lease Co-terminus with the first lease which expires on 31.07.2025. Government has extended the lease period up to 50 years from the date of original grant of first Mining Lease i.e. from 01.08.2005 to 31.07.2055 vide G.O. Ms.No 69, dated 24.08.2017. Mining Lease deed was executed in the name of My Home Industries Private Limited” at the O/o ADM&G Suryapet for 50 years i.e. up to 31.07.2055.

4. The Project Proponent submitted that the Terms of Reference (ToR) vide J- 11015/46/2019-IA.II(M) dated 26.03.2021 was granted for Choutapalli limestone mine, 262.247 ha (amalgamated mining lease area) with the total excavation of 2.17 MTPA (Limestone: 1.82 MTPA + Topsoil: 0.35 MTPA) located at Choutapalli Village Of Mattampalli Mandal and Mellacheruvu Village Of Mellacheruvu Mandal, Suryapet District, Telangana. In the ToR letter one of the specific condition was inter-alia mentioned that: *(vii) The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. Project Proponent should also submit the time bound action plan on concerns of the Public*”. Project Proponent now submitted online application vide IA/TG/MIN/218742/2021 dated 20.07.2021 for amendment in ToR dated 26.03.2021 for exemption of Public Hearing.

5. The Project Proponent submitted that earlier the Public hearing was conducted for ML 1: 46.08 Ha for production of 1.0 MTPA on 14.09.2005 and for ML 2: 216.167 Ha for production of 0.8 MTPA on 12.03.2008. PP also submitted that as per MoEF&CC OM dated 12.11.2020 and 10.02.2021 clarified that,

- i. Mining activity is being undertaken at the location since several years, fresh public hearing to decide whether mining activity could be undertaken at that place may not be warranted.

- ii. The purpose behind Public Hearing is not to determine the violation but only to assess the impact on the environment. Therefore, nature of project does not call for public hearing, violation does not cast additional requirement of public hearing.

6. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that it's a peculiar case wherein one EC has validity as per EIA Notification 2006 and another EC has validity as per EIA 1994. The Committee observed that the PP has exceeded the EC (granted on 31.07.2008) capacity in year 2006-07 wherein production achieved was 1283588 against approved capacity i.e. 1000000 Tonne and also exceeded the mining plan capacity during the year 2006-07 and 2007-08. In view of the above, the Ministry accorded Terms of Reference (ToR) vide J-11015/46/2019-IA.II(M) dated 26.03.2021 keeping a view on violation of the EIA Notification, 2006 and subsequent amendments. The same was deliberated in the previous appraisal of the project for grant of Terms of Reference. The Committee was of the view that the request for exemption of Public Hearing cannot be accepted and **returned the proposal in present form.**

3.5 Proposal for Environmental Clearance of Expansion in Mining capacity of Flag stone (Minor Mineral) M/s Indira Patthar Shramik Sahkari Samiti Maryadit from 4500m³/year (eq. to 11,700 TPA) to 100000 m³/year (eq. to 2.6 Lakh TPA) production in mine lease area of 117.532 ha located at Village Suwakheda, Dist. Neemuch, Madhya Pradesh – [File No.: J- 110105/348/2008-IA.II(M); Proposal No: IA/MP/MIN/18520/2012, Consultant - Creative Enviro Services] - Environmental Clearance (EC)

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s Indira Patthar Shramik Sahkari Samiti Maryadit is for obtaining Environment clearance for Expansion in Mining capacity of Flag stone (Minor Mineral) from 4500m³/year (eq. to 11,700 TPA) to 100000 m³/year (eq. to 2.6 Lakh TPA) production in mine lease area of 117.532 ha located at Village Suwakheda, Dist. Neemuch Madhya Pradesh. The mine lease area is located on Survey of India Toposheet No. 45 L/14 and the location coordinates as below:

Village Name	Latitude	Longitude
Suwakheda	24°33'07.2" N to 24°33'33" N	74°50'03.4" E to 74°50'33.5" E

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Kheda Rathore	24°33'36" N to 26°34'22" N	74°50'07.5" E to 74°50'18.5" E
Kundla	24°33'23.3" N to 26°34'23.3" N	74°50'16.2" E to 74°50'33.5" E

2. M/s Indira Patthar Shramik Sahkari Samiti Maryadit has made an online application vide proposal no. IA/MP/MIN/18520/2012 dated 05.12.2020 and submitted Form2 and EIA 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 the Central level.

3. The details of the Terms of References (TOR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
08.06.2017	IA/MP/MIN/65 269/2017	24th July, 2017	Expansion of Flag Stone mineral from to 11,700 TPA to 2.6 Lakh TPA production in mine lease area of 117.532 ha	08.09.2017
04.09.2020	IA/MP/MIN/17 1407/2020	26-28 October, 2020	Extension of validity of ToR from the date of expiry i.e. 08.09.2020 to 07.09.2021	19.09.2020

4. The Project Proponent submitted that M/s Indira Patthar Shramik Shahkari Samiti Maryadit, is registered under Co-operative Society in Mandsaur District with registration No. 1811 dtd. 06/03/1997. The society is operating the mine since 1998. The society is having mining lease over an area of 117.532 ha in villages Suwakheda, Khera Rathore & Kundla in Tehsil Jawad, District Neemuch of Madhya Pradesh for Flag stone, Khanda & Gitti mining which is a minor mineral. The society is facilitated the local workers or mining operations since 1998. This Quarry area is contiguous to above three villages. PP submitted that lease was renewed by State Govt vide Order no. F 4-14/2013/12, Bhopal dated 04.03.2014 for a period of 10 years. The validity of lease is from 24.09.2013 to 23.09.2023.

5. Details of Mine Plan

S.no	Scheme of Mining along with the Progressive Mine Closure Plan approved by	Letter no	Dated Approval	of	For a period	Details

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1	Regional Officer, Geology & Mining Operation, Indore	1288/Ma.PI an.No.Kr./2 01	19.08.2019	2019-20 to 2022-23	117.532 Ha
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6. The Project Proponent submitted that prior Environmental Clearance granted by MoEF &CC vide letter No. J-11015/348/2008-IA. II (M) dtd. 22.08.2014 for mining of flag stone with production capacity of 11700 TPA or (4500 cum per year) in the mine lease area of 117.532 ha. The proposal was earlier placed in the 25th EAC meeting held during 22nd-24th December, 2020 wherein the Committee deferred the proposal and sought the additional information. PP submitted the information vide Letter dated 22.12.2020, Letter No. 27/2021 /3 dated 22.02.2021 and Letter No. 55/2021 dated 12.07.2021 which are as follows:

Point (i): PP needs to submit the District Survey report of Neemuch in pursuant to MoEFCC Notification dated 25.07.2018.

Reply: PP submitted the District Survey Report vide dated 21.08.2017 in Parivesh.

Point (ii): PP needs to properly address the issues raised during public hearing with action plan and submit the details of the people present other than the Samiti during public hearing.

Reply: PP submitted the action plan for addressing the public concerns and informed that total 163 Nos of people attended the public hearing and 19 nos. of written representations were received during public hearing. Out of total attendance of 163 Nos, 33 Nos came from outside the subjected lease villages and submitted the list of participants of Public Hearing held on 25.07.2019 issued by the Madhya Pradesh Pollution Control Board vide Lr No. 1751/TS/Mine/MPPCB Bhopal dated 07.07.2021.

Point (iii): PP needs to submit the method of mining and if it is a rat hole mining, precautionary measures to be taken to prevent the accidents (iv) The project proponent needs to submit the undertaking to complete the plantation in proportionate to expansion.

Reply: PP submitted that it is an existing mine and during the expansion the same method will be continued with semi mechanized method using hand tool such spades, chisel, hammer and excavators (poclain, hydra and JCB machines etc) minerals Flagstone, Khanda & Kattal (Gitti), are being transported from pit bottom to surface, sometime manually or mechanically using the hydra machine and from loading point of view, Flagstone is transported by truck/trolley to the end users.

Point (iv): The project proponent needs to submit the undertaking to complete the plantation in proportionate to expansion.

Reply: PP submitted an undertaking that we will carry out massive plantation in quarry lease area in coming years and covered 39 ha area with plantation. At present we have done plantation in 5 ha and planted 5000 Nos of plants and species, and during next five years we will plant 7500 plants and species of *Neem*, *Shesham*, *Babool*, *Khakhra*, *Gulmohar*, *Awla* and *Drumstick*.

Point (v) PP needs to submit the present and proposed employment potential after expansion.

Reply: PP submitted that total employment will be 201 persons, of which existing is 38 persons and the proposed is 163 persons.

Point (vi): CER cost to be revised as per the concerns of the public raised during public hearing.

Reply: PP earmarked Rs 13.20 Lakhs as Capital cost and Rs 9.75 Lakhs as recurring cost to address the concerns of the public.

Point (vii): The project proponent shall submit the list of schedule-1 species duly authenticated by concerned department.

Reply: PP reported that three schedule- I species are found in study area namely Peafowl (*Pavo cristatus*), Leopard (*Panthera pardus*) & Python (*Python Molurus*) and submitted the letter from DFO, Neemuch vide letter no. 1203 dated 18.02.2021.

Point (viii): PP needs to submit the Annexure III as per the agenda.

Reply: PP submitted the Annexure – III as per the agenda.

Point (ix): Project proponent should submit an undertaking by way of affidavit as required as per Ministry's O.M No 3-50/2017 -IA. II(M) dated 30.05.2018 to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

Reply: PP submitted the affidavit in a non-judicial stamp paper of Rs 100 bearing AL 307236 that the Samiti is complying with all the statutory requirements and Judgement of Hon'ble Supreme Court dated 02.08.2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and others.

7. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the instant proposal is for expansion in mining capacity of

Flag stone which is a Minor Mineral and hence District Survey Report (DSR) is mandatory. PP submitted the District Survey Report dated 21.08.2017 which is not as per Ministry's Notification S.O. 3611(E) dated 25.07.2018. PP also reported that three schedule- I species are found in study area namely Peafowl (*Pavo cristatus*), Leopard (*Panthera pardus*) & Python (*Python Molurus*) for which Wildlife Conservation Plan has not been submitted. The Committee therefore **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the District Survey Report as per Ministry's Notification S.O. 3611(E) dated 25.07.2018.
- ii. The Project Proponent needs to submit the Wildlife Conservation Plan approved by the Competent Authority in the State.
- iii. The Project Proponent needs to submit the certified Cluster Certificate from State Mines and Geology.

3.6 Proposal for Terms of Reference of M/s Shree Cement Ltd for Goraiya Limestone Mine with limestone production capacity of 1.0 Million TPA, Waste: 1.29 Million TPA (OB & IB), Top Soil: 0.10 Million TPA (Total Excavation: 2.39 Million TPA) and installation of 1 x 1200 TPH Crusher with wobbler in the mine lease area of 898.386 ha at Village Goraiya, Tehsil Kotar, District Satna, Madhya Pradesh – [Proposal no: IA/MP/MIN/211465/2021; File No. IA-J-11015/39/2021-IA-II(M), Consultant - J.M. EnviroNet Pvt. Ltd] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s Shree Cement Ltd is for grant of Terms of Reference for Goraiya Limestone Mine with limestone production capacity of 1.0 Million TPA, Waste: 1.29 Million TPA (OB & IB), Top Soil: 0.10 Million TPA (Total Excavation: 2.39 Million TPA) and installation of 1 x 1200 TPH Crusher with wobbler in the mine lease area of 898.386 ha at Village Goraiya, Tehsil Kotar, District Satna, Madhya Pradesh. The mine lease area located between Latitude 24° 36' 24.31" N - 24° 39' 02.16" N and Longitude 81° 00' 08.75" E - 81° 02' 33.53" E. The mine lease area falls under the Survey of India Topo sheet No: 63 H/2 and 63 D/14 and falls in Seismic zone – II.

2. M/s Shree Cement Ltd has made an online application vide proposal no: IA/MP/MIN/211465/2021 dated 06.05.2021 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 and 2(b)

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

3. The Proposal for Terms of Reference was earlier placed in the 32nd EAC meeting held during 28th June, 2021 to 1st July, 2021. Project Proponent vide Lr SCL/EC/GoraiyaMine/2021-22 dated 24.06.2021 has submitted a letter, that they are not able to attend the meeting. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and deferred the proposal for want of the additional information. PP submitted the information vide email dated 21.07.2021.

4. Lease Detail

S. no	Grant of Pl/mine lease/ Order	Date of the grant	Name of the Miner	Period of Grant		Granted by	Mine lease area in Ha
				From	To		
1	Prospecting License vide Lr no 2-148/08/12/1	05.12.2019	Limestone	08.10.2010	07.02.2012	Govt of Madhya Pradesh	979.223 Ha
2	Letter of Intent vide Lr no F3/2021/12/1	11.01.2021	Limestone	50 years		Govt of Madhya Pradesh	898.386 ha

5. Details of Mine Plan

S.no	Mining Plan with Progressive Mine Closure Plan approved by	Letter no	Dated of Approval	For a period	Details
1	Indian Bureau of Mines vide	Lr MP/ Satna/ Limestone/MPLN/ G-17/2020-21/ 4156 Jabalpur	12.03.2021	5 years	Limestone, 898.386 ha

6. The Project Proponent submitted an undertaking vide letter dated 21.07.2021 wherein it has mentioned that the contents of the declaration are true and correct to best of my knowledge and belief, that nothing has been concealed and submitted the following:-

- i. The Company for the purpose of expediting implementation of the Project had approached Hon'ble High Court of Madhya Pradesh at Jabalpur by filing Writ Petition (Civil) No. 7207/2021 - Shree Cement Limited Vs State of Madhya Pradesh and Others - seeking direction to State Government to expedite the execution of Mines Development and Production Agreement (MDPA) and thereafter execution of Mining Lease Deed in respect of subject granted area of 898.386 ha. The Hon'ble Court was pleased to issue Notice to State Government on 08.04.2021. As on 16.6.2021, State Government has sought time to file reply the Hon'ble Court directed same to be listed on 16.07.2021. The matter was however not listed on that date and next date of listing is yet to be fixed by the Registry of Hon'ble Court.
- ii. The Company has also approached to Hon'ble High Court of Madhya Pradesh at Jabalpur by filing Writ Petition (Civil) No. 11819-2021- Shree Cement Limited Vs Union of India and Others for ex-parte revocation of Mining Plan by Regional Controller of Mines of Indian Bureau of Mines (IBM) and pray to stay operation and effect of the impugned order dated 10.06.2021 passed by the Regional Controller of Mines of Indian Bureau of Mines (IBM) in MP/SATNA/LIMESTONE/MPLN/G-17/2020-21/8090 and to permitted to pursue and honor its obligation under the relevant provisions of the Act and Rules pursuant to grant of the mining lease by the state government such as Environmental Clearance etc. The Division Bench of Hon'ble High Court after hearing Senior Counsel for Petitioner at which Respondents were represented by their counsels, issued notice to the Respondents and as time was sought by Respondents to file reply, vide Order dated 09.07.2021 was pleased to grant interim relief by directing that "Status-quo with regard to disputed mining lease for the area in question shall be maintained by the parties till the next date". The Hon'ble Court also directed matter to come up on 28.07.2021 along with WP No.10718/2021 of ACC Limited; WP No. 9956/2021 of Prism Johnson Ltd and WP No. 10951/2021 of M/s Ramniwas Singh & Sons. The actual listing would depend upon convenience of Hon'ble High Court, due to COVID-19 conditions.

7. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the PP obtained Letter of Intent vide Lr no F3/2021/12/1 dated 11.01.2021 for Limestone over an area of 898.386 ha for a period of 50 years granted by Government of Madhya Pradesh. PP has not executed the mining lease and the mining plan has been revoked by Regional Controller of Mines of Indian Bureau of Mines (IBM) in compliance to the The Mines and Minerals (Development and

Regulation) Amendment act, 2021 dated 28th March, 2021. PP informed that two court cases vide Writ Petition (Civil) No. 7207/2021 and Writ Petition (Civil) No. 11819-2021 are pending before the Hon'ble High Court of Madhya Pradesh at Jabalpur and the matter is sub-judice. Thus, Committee was of the view that the proposal cannot be considered in present form as the instant matter pending before the Hon'ble High Court of Madhya Pradesh. The Committee **returned the proposal in the present form** and is of the view that PP shall approach the Ministry after the final outcome of the Court case.

Day 4 – 30.07.2021 (Friday)

4.1 Proposal for amendment in Environmental clearance of M/s NMDC Limited for Bailadila Deposit 14/11C project (935.522 Ha, 12.00 MTPA ROM Iron ore) located at Bailadila Range Hills at Village Kirandul, South Bastar, Dante-wada District, Chhattisgarh by exclusion of Deposit 11C part (Area 106.412 Ha and 1.5 MTPA ROM Iron Ore) and modifying to “Bailadila Deposit-14 & 14NMZ (829.11 Ha, 10.5 MTPA ROM)” as per specific condition no: 1 & 2 of TOR letter dated 24.09.2019 [Proposal no. IA/CG/MIN/204681/2021; File No. J-11015/483/2007-IA.II(M), Consultant: Ecomen Laboratories Pvt. Ltd] - Amendment in EC.

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal is for Amendment in integrated environmental clearance granted vide Lr. No. J-11015/483/2007-IA.II (M) dated 11.09.2007 to M/s NMDC Limited for Bailadila Deposit 14/11C project (935.522 Ha, 12.00 MTPA ROM Iron ore) located at Bailadila Range Hills at Village Kirandul, South Bastar, Dante-wada District, Chhattisgarh by exclusion of Deposit 11C part (Area 106.412 Ha and 1.5 MTPA ROM Iron Ore) and modifying to “Bailadila Deposit-14 & 14NMZ (829.11 Ha, 10.5 MTPA ROM)” as per specific condition no: 1 & 2 of TOR letter dated 24.09.2019. Deposit-14 ML lies between Latitude 18°36'11"N to 18°37'35"N & Longitude 81°13'16"E to 81°14'45"E. Deposit-14 NMZ ML lies between Latitude 18°36'44"N to 18°38'32"N & Longitude 81°13'55"E to 81°15'24"E. The mine lease area falls under the Survey of India Toposheet No E44J2 & J6. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s NMDC Limited has made an online application vide proposal no. IA/CG/MIN/204681/2021 dated 07.04.2021 along with Form 4 under the provisions of EIA Notification, 2006 as amended from time to time 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 proposal for Amendment in Environmental Clearance was earlier considered in the 31st EAC meeting held during 9th - 15th June, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that there are other parts of the project for which separate application was made. The Committee was of the view that both the proposals should be placed before the Committee to take decision on the amendment proposals and the same is also agreed by the Project Proponent. The Committee therefore deferred the proposal and requested PP to submit both the application complete in all respect.

4. The Project Proponent submitted that integrated environmental clearance was granted vide Lr. No. J-11015/483/2007-IA. II(M) dated 11.09.2007 to M/s NMDC Limited for Bailadila Deposit 14/11C project for total lease area 935.522 Ha and production capacity 12.00 MTPA ROM Iron ore (Deposit 14 -322.368 Ha area & 5.0 MTPA, Deposit 14 NMZ- 506.742 Ha & 5.5 MTPA Deposit 11C- 106.412 Ha & 1.5 MTPA).

5. The Project Proponent submitted that M/s NMDC submitted application for obtaining EC for combined Mining Lease of Bailadila Deposit-11 extending over 874.924 Ha {Deposit-11A = 233.509 Ha + Deposit-11B = 535.003 Ha + Deposit-11C part = 106.412 Ha} and the ToR was issued by Ministry vide Lr. No. J-11015/70/2018-IA.II(M) dated 24.09.2019 for Bailadila Deposit-11 Mining Lease over 874.924 Ha (11A-233.509 Ha, 11B-535.003 Ha & 11C-106.412 Ha) for total excavation of 14 MTPA (11.30 MTPA ROM production (11A-2.8 MTPA, 11B-7 MTPA & 11C-1.5 MTPA) and 2.70 MTPA waste excavation) for obtaining Environmental clearance under EIA 2006 Notification with inter alia following specific conditions:

- a) *PP shall continue with mining in ML-11C as per provision of EC dated 11/9/2007 and PP shall get the existing EC amended for exclusion of 11C deposit before operationalization of the EC granted for ML 11 under this TOR.*
- b) *PP shall make necessary amendment in integrated EC dated 11/9/2007 for exclusion of deposit 11C before grant of EC for combined ML – 11 (i.e. 11A, 11B and 11C).*
- c) *PP shall Include total excavation proposed for combined 11ML (i.e 11A, 11B and 11C) i.e 14 MTPA {i.e 11.3 MTPA ROM Iron Ore Production (11A-2.8 MTPA+11B-7 MTPA+11C part-1.5 MTPA = 11.30 MTPA) and 2.70 MTPA waste excavation}.*

6. In view of the above, PP has submitted separate application in Form-II and EIA/EMP report for obtaining EC for combined Mining Lease of Bailadila Deposit-11 Mining Lease for 874.924 Ha for 14.00 MTPA Total excavation (11.30 MTPA RoM Iron Ore + 2.70 MTPA waste excavation) as per specific condition no: 3 of TOR dated 24.09.2019.

7. Now, the proposal is submitted in Form-IV along with Addendum EIA/EMP report etc for obtaining Amendment to existing Environmental clearance of Bailadila Deposit14/11C project (935.522 Ha, 12.00 MTPA ROM Iron ore) by exclusion of Deposit 11C part (Area 106.412 Ha and 1.5 MTPA ROM Iron Ore) and modifying to "Bailadila Deposit-14 & 14NMZ (829.11 Ha, 10.5 MTPA ROM)" as per specific condition no: 1 & 2 of TOR letter dated 24/09/2019.

8. The Project Proponent submitted that **Deposit-14** Mining Lease was granted to M/s NMDC on 11/09/1965 for a period of 30 years which was valid up to 10/09/1995. The 1st renewal of mining lease was obtained on 29/06/2002 for a period of 20 years which was valid up to 11/9/2015. As per Rule 8 A, of MMDR (Amendment) Act 2015, Dep- 14 ML lease extended from 12/9/2015 to 31/03/2020. PP submitted that lease renewal application was submitted to State Govt. for renewal of ML for 20 years from 11/09/2015 to 10/09/2035 in Form- J dated 10/9/2013. Accordingly, as per rule 3(2) of Mineral (Mining by Govt. Co.) Rules, 2015 read with MMDR Amendment Act 2015, lease of Deposit 14 ML (Area 322.368 ha) is renewed for 20 years from 12/09/2015 to 11/09/2035 by Government of Chhattisgarh, Mineral Resource Department, Nava Raipur vide letter no:4-15/2014/12 dated 17/12/2019. PP submitted the copy of the amendment to the mining lease agreement dated 10.01.2020 vide Certificate No. IN-CG13908464276079S. Further PP submitted that **Deposit-14 NMZ** Mining Lease was granted to M/s NMDC on 06/12/1965 for a period of 30 years which was valid up to 05/12/1995. The 1st renewal of mining lease was obtained on 28/06/2002 for a period of 20 years which was valid up to 06/12/2015. As per Rule 8A, of MMDR (Amendment) Act 2015, Dep- 14 NMZ ML lease extended from 07/12/2015 to 31/03/2020. Lease renewal application was submitted to State Govt. for renewal of ML for 20 years from 06/12/2015 to 05/12/2035 vide Form- J dated 05/12/2013. Accordingly, as per rule 3(2) of Mineral (Mining by Govt. Co.) Rules, 2015 read with MMDR Amendment Act 2015, lease of Deposit 14 NMZ ML (Area 506.742 ha) is renewed for 20 years from 07/12/2015 to 06/12/2035 by Government of Chhattisgarh, Mineral Resource Department, Nava Raipur vide letter no:4-41/2018/12 dated 17/12/2019. PP submitted the amendment to the mining lease agreement dated 10.01.2020 vide Certificate No. IN-CG13908490029844S.

9. The Project Proponent submitted that the Modified Mining Plan for **Deposit 14** was submitted under Rule 22 (6) of MCR 1960 & got approved from IBM vide letter no. BST /FE/MPLN-435/NGP-15 dated 16-03-2016. The approved Modified Mining Plan is valid for the period from 01-04-2015 to 31-03-2020. The review of Mining plan is prepared under 17(2) of MCR 2016 and Rule 23 of NMCDR 2017 based on the lease renewal application submitted to the state govt. For 20 years and approved from IBM vide letter no. Dantewada/Fe/Khanij1214/2019/Raipur/549 dated 12/12/2019. The review of Mining plan is valid for the period from 01-04-2020 to 31-03-2025. The Modified Mining Plan for Deposit-14 NMZ was submitted under Rule 17 (3) of MCR 2016 & got approved from IBM vide letter no. BST /FE/MPLN-434/NGP/2015/08-Raipur –II/265 dated 05-08-2016. The approved Modified Mining Plan is valid for the period 01-04- 2015 to 31-03-2020. The review of Mining plan is prepared under 17(2) of MCR 2016 and Rule 23 of MCDR 2017 based on the lease renewal application submitted to the state govt. for 20 years and approved from IBM vide letter no. Dantewada/Fe/Khanij1216/2019/Raipur/547 dated 11/12/2019. The review of Mining plan is valid for the period from 01-04-2020 to 31-03-2025.

10. The Project Proponent submitted that Deposit-14 & 14 NMZ Mining lease area falls under Bailadila Reserve Forest under Dantewada Forest Division. Forest Clearance for Deposit 14 over 322.368 ha lease area was granted by MoE&F vide Letter F.No. 8-41/97–FC dated 18-06-1999. Forest clearance extended up to 11/09/2035 vide F-5-28/2006/10-2 dated 31/03/2020 issued by Forest Dept, Naya Raipur, Chhattisgarh. Forest Clearance for Deposit-14 NMZ from MoE&F over 506.742 ha lease area was granted vide Letter F.No. 8-40/97–FC dated 18-06-1999. Forest clearance extended up to 11/09/2035 vide F-5-10/2016/10-2 dated 31/03/2020 issued by Forest Dept, Naya Raipur, Chhattisgarh.

11. The Project Proponent submitted that MoEF&CC, Integrated Regional Office, Raipur has conducted site inspection on 23rd and 24th December 2020 with respect to compliance of conditions stipulated in environmental clearance for Bailadila Deposit14/11C project & issued Certified EC Compliance Report vide F.No. 3-42/2007(ENV)/7734 dated 21st January, 2021. PP submitted the renewal of consent issued by the Chhattisgarh Environment Conservation Board vide No. 8425 /TS/CECB/2020 Nava Raipur Atal Nagar, Dated: 30 /12 /2020 with production capacity of 12.0 MTPA (ROM) Iron ore for a period of two years from 01/01/2021 to 31/12/2022.

12. The Project Proponent submitted the past production details duly authenticated by District Mining Officer, Dantewada vide Letter No. Khanij/ Dantewada/ NMDC/ Prod/ 2019 for the period 1968-69 to 2018-19. PP also submitted that after obtaining EC for Deposit 14/11C dated 11/9/2007, there is no increase in production beyond EC capacity

of 5.0 MTPA from Deposit 14 mines and 7.0 MTPA from Deposit 11C mines (Deposit 14 NMZ + 11C part).

13. The Project Proponent submitted that one court case is pending in Bacheli First Class Magistrate Court under Water (P&CP) Act 1974.

14. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the integrated EC for 935.522 Ha with production capacity of 12.0 MTPA ROM was granted on 11.09.2007. The instant proposal for reduction in area from 935.522 Ha to 829.11 Ha by exclusion of deposit 11/C of 106.412 Ha (production capacity of 1.5 MTPA ROM) and reduce the production from 12.0 MTPA to 10.5 MTPA ROM with total mine lease area of 829.11 Ha for “Bailadila Deposit-14 & 14NMZ”. PP submitted the certified compliance of EC conditions which was satisfactory, the Committee therefore **recommended** the proposal for reduction in area from 935.522 Ha to 829.11 Ha with reduced production capacity from 12.0 MTPA to 10.5 MTPA ROM keeping all the terms and conditions mentioned in earlier EC dated 11.09.2007 remain unchanged.

4.2 Proposal for Environmental Clearance of M/s. NMDC Limited for Bailadila Iron Ore Mine for Deposit-11 [i.e. 11A (233.509 Ha), 11B (535.003 Ha) and 11C (106.412 Ha)] for total excavation of 14 MTPA (11.30 MTPA ROM production {11A-2.8 MTPA+11B-7 MTPA+11C-1.5 MTPA} and 2.70 MTPA waste excavation in the mine lease area of 874.924 ha at Village Kirandul, Tehsil Dantewada, South Bastar Dantewada, District, Chhattisgarh – [File No: IA-J-11015/70/2018-IA-II(M); Proposal No.: IA/CG/MIN/75153/2018, Consultant: Ecomen Laboratories Pvt. Ltd] - Environmental Clearance (EC)

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s. NMDC Limited for Bailadila Iron Ore Mine for Deposit-11 [i.e. 11A (233.509 Ha), 11B (535.003 Ha) and 11C (106.412 Ha)] for total excavation of 14 MTPA (11.30 MTPA ROM production {11A-2.8 MTPA+11B-7 MTPA+11C-1.5 MTPA} and 2.70 MTPA waste excavation in the mine lease area of 874.924 ha at Village Kirandul, Tehsil Dantewada, South Bastar Dantewada, District, Chhattisgarh. The mine lease area is located between Latitude 18°37'34.6066"N to 18° 41'26.1792" N and Longitude 81° 13'13.2276"E to 81°15'18.0396" E. The mine lease area falls under the

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Survey of India Toposheet No: E44J2/J6 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/ DSS.

2. M/s. NMDC Limited has made an online application vide proposal no. IA/CG/MIN/75153/2018 dated 09.07.2021 along with the Form-2 and EIA 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. The proposal is placed in EAC meeting held during 27th -30th July, 2021 wherein the EAC deliberated on the following information submitted by PP.

Details submitted by Project proponent.

3. ToR Details:

Date of application	Proposal No	EAC meeting	Details	Date of accord
12.06.2018	IA/CG/MIN/75153/2018	i. July 19, 2018 ii. April 23, 2019 iii. August 27, 2019	Deposit-11 (11A, 11B and 11C (106.412 Ha) for total excavation of 14 MTPA (11.30 MTPA ROM production {11A-2.8 MTPA+11B-7 MTPA+11C-1.5 MTPA} and 2.70 MTPA waste excavation	24.09.2019
PP vide Lr no NMDC/ENV/E C/DEP-11 ML/KDL/2019 /2224 dated 20.09.2019 (received on 21.09.2019 through email)	IA/CG/MIN/75153/2018	Sept 24-25, 2019	Exemption of Public hearing	01.11.2019

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Additional details	<p>ToR dated 24.09.2019 was granted with inter alia following specific conditions:</p> <ul style="list-style-type: none"> a) PP shall continue with mining in ML-11C as per provision of EC dated 11/9/2007 and PP shall get the existing EC amended for exclusion of 11C deposit before operationalization of the EC granted for ML 11 under this TOR. b) PP shall make necessary amendment in integrated EC dated 11/9/2007 for exclusion of deposit 11C before grant of EC for combined ML – 11 (i.e. 11A, 11B and 11C). c) PP shall Include total excavation proposed for combined 11ML (i.e 11A, 11B and 11C) i.e 14 MTPA {i.e 11.3 MTPA ROM Iron Ore Production (11A-2.8 MTPA+11B-7 MTPA+11C part-1.5 MTPA = 11.30 MTPA) and 2.70 MTPA waste excavation}.
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4. EC Details:

Date of application	Proposal/ File No	EAC meeting	Details	Date of accord
22.03.2011	J-11015/ 83/ 2011	-	Deposit-11A (2.8 MTPA Iron Ore) (Area: 233.509 Ha)	31.10.2011
07.03.2012	IA/CG/MIN/204 01/2011	-	<ul style="list-style-type: none"> i. Expansion of Bailadila Iron Ore Deposit No. 11-A (ML area- 233.509 ha; cap exp from 1.7- million TPA to 2.8 million TPA) ii. Transport of mineral from mine to the crushing plant within mine lease area shall be through dumpers and from there 	07.02.2013

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			by covered conveyor belt up to the loading point.	
01.12.2005	IA/CG/MIN/114 98/2005	-	Deposit-11B (7.0 MTPA Iron Ore) (Area: 535.003 Ha)	11.09.2006 (Under EIA Notification 1994)
29.05.2007	IA/CG/MIN/114 98/2005	-	Integrated EC for Dep 14/11C (12 MTPA) (Area: 935.522 Ha)	11.09.2007
Additional details		<ul style="list-style-type: none"> The proposal is for obtaining EC for combined Mining Lease of Bailadila Deposit-11 (MLA: 874.924 Ha) which comprises of Deposit-11A, 11B and 11C part in compliance of MoEF&CC's notification S.O No: 1530(E) dated 6/4/2018. There is no change in overall production capacities of ROM Iron Ore. 		

5. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, the Committee noted that PP obtained EC for deposit 11A on 31.10.2011 under EIA notification 2006 followed by amendment EC dated 07.02.2013, EC for deposit 11B on 11.09.2006 under EIA Notification 1994 and EC for deposit 11C was obtained as part of integrated EC of Bailadila deposit 14/11C on 11.09.2007 under EIA Notification 2006. PP now submitted proposal for grant of EC for complete Deposit 11 which comprises Deposit 11A, 11B and 11C with a view to regularize the EC obtained for 11B under EIA Notification 1994, within the provision of Ministry's Notification dated 06.04.2018 for the total mining lease area 874.924 Ha [i.e. 11A (233.509 Ha), 11B (535.003 Ha) and 11C (106.412 Ha)] with single mining plan for 874.924 Ha and for total excavation of 14 MTPA (11.30 MTPA ROM production {11A-2.8 MTPA+11B-7 MTPA+11C-1.5 MTPA} and 2.70 MTPA waste excavation. PP also submitted the separate proposal in Form-IV for obtaining Amendment to existing Environmental clearance of Bailadila Deposit 14/11C project (935.522 Ha, 12.00 MTPA ROM Iron ore) by exclusion of Deposit 11C part (Area 106.412 Ha and 1.5 MTPA ROM Iron Ore) and modifying to "Bailadila Deposit-14 & 14NMZ (829.11 Ha, 10.5 MTPA ROM)" as per specific condition no: 1 & 2 of TOR letter dated 24/09/2019. Committee also noted that PP in the Sr. No.6 of Form-2 w.r.t. Crusher has mentioned "No" and at one place in the EIA report PP has mentioned that "The crushing plant is located in Deposit-11 Mining

Lease...” and on the other place it has been mentioned that *“The ROM iron ore from Deposit-11A mine is transported by dumpers of various capacity to Crushing plant situated in adjacent mining lease of Deposit-10 of NMDC”* and during the meeting PP informed that crusher is located within the project area. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **deferred** the proposal for want of following additional information:

- i. The Project Proponent should submit the complete details of the crushing plant and its capacity, if any along with the location map and impact due to crushing operation and their mitigative measures. PP need to submit the revised Form-2 and EIA/EMP report accordingly.
- ii. The Project Proponent needs to provide EMP budget for addressing public concerns with separate budget of Rs 5.7 Crore with the timeline of 3 years involving capital expenditure for the concerns related to environment protection, health and education as agreed by the PP during the presentation.
- iii. The Project Proponent needs to provide the budget for further strengthening of EMP to address the public concerns already expressed.
- iv. The Project Proponent needs to submit the budget for plantation year wise till the conceptual stage for 874.924 ha.
- v. The Project proponent shall furnish a certificate from the Competent Authority regarding satisfactory compliance and implementation of earlier site-specific wildlife conservation plan.
- vi. The Project Proponent needs to submit the details of the initial lease document along with subsequent renewals in a chronological manner along with copy of renewal lease deed, etc..
- vii. The Project Proponent needs to submit the status of permission for extraction of 6.735 million cu.m per annum from Water Resource Deptt, Raipur.
- viii. The Project Proponent needs to submit the letter obtained from DFO Dantewada vide letter no.5372 dated 03.06.2021.
- ix. The project proponent should submit the list of schedule-1 species duly authenticated by concerned department.

- x. The Project Proponent needs to submit the Wildlife Conservation Plan approved by the Competent Authority in the State.

4.3 Proposal for Terms of Reference of M/s Lalajee Minerals for Negariya Manganese (Psilomelane) mine for a production of 975 TPA in the mine lease area of 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh – [File No: IA-J11015/65/2019-IA-II(M); Proposal No: IA/MP/MIN/105055/2019] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The proposal of M/s Lalajee Minerals is for grant of Terms of Reference (ToR) for Negariya Manganese (Psilomelane) mine for a production of 975 TPA in the mine lease area of 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh. The mine lease area is located between Latitude 22°50'53.05"N to 22°51'00.07"N and Longitude 74°30'31.06"E to 74°30'42.09"E. The mine lease area falls under the Survey of India Toposheet no: 46 J/P and falls in Seismic Zone – II.

2. M/s Lalajee Minerals has made an online application vide proposal no: IA/MP/MIN/105055/2019 dated 10.05.2019 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 project attracts general condition as mining lease area located at a distance of 3.2 km, NW from the Gujarat – Madhya Pradesh Interstate boundary and appraised at Central level.

3. The Proposal for Terms of Reference was earlier placed in the 32nd EAC meeting held during 28th June, 2021 to 1st July 2021. Project proponent/consultant requested for deferment, as there was no power available at their office. Further, the Committee was of the view that the Consultant was not prepared to make presentation and answer the basic details about the project and there was no submission of documents to the EAC. Therefore, the Committee deferred the proposal as requested by the Project Proponent.

4. Lease Detail

S.no	Grant of PI/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant		Granted by	Mine lease area in Ha
				From	To		
1	Prospecting	12.01.2009	Manganese	07.03.	06.03.	Govt. of	6.50

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	License vide Lr 2-38/ 2008/ 12/1			2009	2010	Madhya Pradesh	
2	Letter of Intent vide Lr F-3-7/2010/12	02.05.2012	Manganese	30 years		Govt. of Madhya Pradesh	4.99

5. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, the Member Secretary informed the Committee that the Project Proponent vide email dated 30.07.2021 informed that they are unable to attend the meeting. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and **deferred** the proposal for want of the following information:

- i. The Project Proponent needs to submit the total excavation in tonnes including mineral, overburden, inter-burden, waste, top soil, rejects etc. to be handled 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.
- ii. The Project Proponent needs to submit the duly authenticated Past production details and details of earlier EC and details of the violation if any.

4.4 Proposal for Terms of Reference of M/s. UltraTech Cement Limited (Unit: Dhar Cement Works) is for grant of Terms of Reference for Sitapuri Limestone Mine for Expansion in Production Capacity of Limestone: 3.66 Million TPA to 6.20 Million TPA, Topsoil: 0.52 Million TPA, OB/SB/IB: 4.48 Million TPA (Total Excavation: 11.20 Million TPA) along with expansion in Crusher Capacity: 1200 TPH to 1800 TPH in the mine lease area of 965 ha at Villages: Sitapuri, Udiyapura, Borlai, Avaral, Andiyav & Chirakhan, Tehsil: Manawar, District: Dhar, Madhya Pradesh – [File No: J-11015/23/2021-IA-II(M); Proposal No: IA/MP/MIN/200702/2021, Consultant - J.M. EnviroNet Pvt. Ltd] - Terms of Reference (ToR).

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

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The proposal of M/s. UltraTech Cement Limited (Unit: Dhar Cement Works) is for grant of Terms of Reference for Sitapuri Limestone Mine for Expansion in Production Capacity of Limestone: 3.66 Million TPA to 6.20 Million TPA, Topsoil: 0.52 Million TPA, OB/SB/IB: 4.48 Million TPA (Total Excavation: 11.20 Million TPA) along with expansion in Crusher Capacity: 1200 TPH to 1800 TPH in the mine lease area of 965 ha at Villages: Sitapuri, Udiyapura, Borlai, Avaral, Andiyav & Chirakhan, Tehsil: Manawar, District: Dhar, Madhya Pradesh. The mine lease area located between Latitude 22°20'7.669"N to 22°23'8.635"N and Longitude 75°05'25.663"E to 75 °07'29.634"E. The mine lease area falls under the Survey of India Toposheet no: F43J3, F43J4 & F43J15 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/ DSS.

2. M/s. UltraTech Cement Limited (Unit: Dhar Cement Works) has made an online application vide proposal no: IA/MP/MIN/200702/2021 dated 28.02.2021 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 initially obtained Environmental Clearance vide Lr J-11015/442/2013-IA.II(M) dated 30.12.2015 for Sitapuri Limestone mine with production capacity of 3.66 Million TPA (ROM) of Limestone in the mine lease area of 965 Ha.

4. Lease Detail.

S.no	Grant of mine lease	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of ML vide F 3-46/ 2006/12-2	03.05.2014	Limestone	30 years	Govt of Madhya Pradesh	965 Ha
2	Lease extension Lr 1190/Mineral/2015-16	11.06.2015	Limestone	50 years	Office of the Collector (Mining Office), District Dhar, Madhya Pradesh	965 Ha
3	Agreement for	19.05.2016	Limestone	50 years	Office of the	965

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	extension of mining lease vide 684/Mineral/2016-17				Collector (Mining Office), District Dhar, Madhya Pradesh	Ha
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5. 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.	09.05.2014	08.05.2044	Affidavit bearing 832465
2	Date of entering into supplementary lease deed.	09.05.2014	08.05.2064	MP119002020A1629881 & registered on 05.10.2020

6. Mining plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	Grant period		Details
				From	To	
1	Modification in Approved Mining Plan and Progressive Mine Closure Plan approved by Indian Bureau of Mines	MP/Dhar/Limestone/MPL N/MOD-19/2020-21/3961	12.02.2021	2021-22	2023-24	Limestone over an area of 965 ha

7. The Project Proponent submitted that mining operations are being carried out by fully mechanized opencast method, utilizing Heavy Earth Moving Machinery (HEMM) with drilling and blasting with the use of suitable explosives and same shall continue in future also. PP reported that the Total geological reserve is 207.42 Million TPA (As on 01.04.2021) and Mineable Reserve is 118.81 Million TPA (As on 01.04.2021). The life of the mine will be 19.5 years (say 20 years). The bench height will be 4-8 m and bench width will be 25-30 m (Working width). The individual benches are sloped at 80° to 85° from horizontal and overall pit slope will be 53°. Excavated limestone is being/will be transported from mine face to crusher via 40 Tonnes dumpers and then crushed limestone is being/will be transported from crusher to cement plant via covered conveyor belt (8.2 km length). Double rotor impact crusher of 1200 TPH capacity is installed in the ML for limestone crushing. The crusher also has an arrangement for dry

screening of (-) 10 mm rejects like clay and it will have peak performance level of 1800 TPH after some minor modification and debottlenecking. PP reported that at present, 1.03 Million Tonnes of waste (basalt, sandstone & upper clay) & 0.393 Million Tonnes of Soil have been generated. Waste has been stacked temporarily and used for backfilling purpose & used in construction of settling ponds, channels, garland drains etc. Soil has been stacked with retaining wall at toe of dump & some part is being used in greenbelt/plantation. During this Plan period, 1.0 Million Tonnes soil & 6.98 Million Tonnes waste will be generated. Suitable locations have been earmarked for dumping of soil while waste will be backfilled concurrently. At the end of life of mine; 9.96 Million Tonnes of Soil & 89.53 Million Tonnes of waste will be generated. The waste will be concurrently used in backfilling & soil will be used in greenbelt/plantation & spreading over backfilled area. A part of waste also be utilized for development of access roads and haul roads within ML. PP reported that water table exists at a depth of 230m AMSL to 242m AMSL and ultimate working depth will be 236m AMSL and Ground water shall be intersected from the year 2023-2024.

8. Land Area Breakup

Private land	772.75 ha
Government land	192.25 ha
Total Mining lease area (MLA)	965.00 ha
Private land for crusher, workshop & other infrastructure outside the MLA	NIL

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

Particulars	Details	Distance & Direction
Nearest Village	i. Avaral ii. Chirakhan iii. Borlai	i. West direction (within ML but excluded) ii. NNE direction (within ML but excluded) iii. Surrounded by the Lease
Nearest Town/ City	Manawar	~10 km in South direction
Nearest Highway	i. SH-38 ii. NH-59	i. ~2.0 km in West direction ii. ~24.0 km in North direction
Nearest Railway Station	Mhow Railway Station	~70 km in ENE direction
Water Bodies	i. One canal is passing through the lease area ii. One seasonal nallah is passing through the lease area which has been already excluded iii. Part of the pond (tank) falls in SW corner of the lease area iv. Man River (~0.2 km in West direction)	

	v. Sukkar River (~2.5 km in West direction)
	vi. Zirabaad (Man) Dam (~3.0 km in North direction)
	vii. Dongliya River (~8.0 km in NE direction)
	viii. Gandharva River (~8.0 km in West direction)

10. Water requirement

Total water requirement	185 KLD		Fresh water	175
	Existing	Additional	Treated water	10
	100 KLD	85 KLD		
Source	Water will be sourced from the Ground Water & Mine Sump			
Permission	Permission of Ground water withdrawal (100 KLD) has been obtained from Office of Asst. Engineer, PHE Division, Manwar, District Dhar vide letter no. 24 dated 09.01.2015. However, the Hydrological study has been carried out. An application submitted to CGWA for NOC. The application is under approval stage.			

11. The Project Proponent submitted that total ML Area is 965 ha out of which 192.25 ha is Govt. land & 772.75 ha is Private land and there is no forest land involved in the mine lease area. PP reported that following Reserve Forest exist within 10 km radius of the study area such as Reserve Forest (~0.5km, E), Nimkhera RF (~3.0 km, ENE), Dhamnodd RF (~4.0 km, ENE), Lawani RF (~5.5 km, East), Sardarpur RF (~8.0 km, NNW) and Dhar RF (~9.0 km, NE). Further, PP submitted that there is no National Parks, Biosphere Reserve, Wildlife Corridors, and Tiger/Elephant Reserves/ Critically Polluted area/Aravali located within the radius of 10km of the mine lease area.

12. Green belt/plantation details

Proposed area for green belt/plantation	369.22 ha
7.5 m barrier & non-mineralized zone	45.35 ha
Backfilled area	323.87 ha,
Budget for green plant & plantation till the end of life of mine.	Rs. 7.47 Crore
Existing status of plantation	At present 10.35 ha area has already been developed. Greenbelt will be developed along the 7.5 m wide lease periphery on 25.0 ha during the plan period.
No.s of Plant	19,311 with Survival rate of 87%

13. The Project Proponent submitted the Consent to Establish issued by the M.P. Pollution Control Board vide Outward no. 33817 valid from 10.07.2016 up to 04.03.2021. PP also submitted the Renewal of Consent to Operate issued by the M.P. Pollution Control Board vide Outward no. 101078 dated 25.09.2020 for the period

ending up to 31.07.2021 for the production of Limestone of 3.660 Million Ton per year. PP submitted the Certified EC Compliance report issued by the MoEF&CC, Regional Office, Bhopal vide File No. 3-12/2018 (Env.)/523, dated 16.07.2021.

14. The Project Proponent submitted that the mine started operation on Sept., 2017. PP submitted the past production details from the year 2017-18 to 2020-21 (Up to Jan., 2021) duly authenticated by Office of Collector (Mining Branch) District, Dhar, MP vide letter no. 491/Khanij/2020-21, Dhar, dated 26.02.2021 and observed to be well within the limits of EC capacity. PP also submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing AX 956936 dated 25.02.2021 to comply with all 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 & Ors.

15. The Project Proponent submitted that there is no any litigation pending against the project and/or land in which the project is proposed to be set up.

16. The Project Proponent submitted that total ML Area is 965 ha out of which 192.25 ha is Govt. land & 772.75 ha is Private land. PP obtained surface rights for 748.523 ha (192.250 ha Govt. land & 556.273 ha private land) in Sitapuri, Udiyapura, Borlai, Avaral, Andiyav and Chirakhan villages. R&R will be followed as per Central and State Government Rules & notifications.

17. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Total Cost for EMP	2.95
Recurring Cost for EMP	1.15 crore/annum
Project Cost	22.5
Employment	163 Person

18. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference (ToR) of M/s. UltraTech Cement Limited (Unit: Dhar Cement Works) is for grant of Terms of Reference for Sitapuri Limestone Mine for Expansion in Production Capacity of Limestone: 3.66 Million TPA to 6.20 Million TPA, Topsoil: 0.52 Million TPA, OB/SB/IB: 4.48 Million TPA (Total Excavation: 11.20 Million TPA) along with expansion in Crusher Capacity: 1200 TPH to 1800 TPH in the mine lease area of 965 ha at Villages: Sitapuri, Udiyapura, Borlai, Avaral, Andiyav & Chirakhan, Tehsil: Manawar, District: Dhar,

Madhya Pradesh for undertaking detailed EIA/EMP study with the following specific term of reference for this project:

- i. 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.
- ii. 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.
- iii. The Project Proponent needs to carry out a cumulative impact assessment of this mine, auction mine and other adjoining mines for its potential impact on of air quality, water quality, noise & vibration and ecology to be covered in the EIA study.
- 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 submit the action plan taken as per the study undertaken by CIMFR for protection of canal from blasting.
- vi. The Project Proponent needs to submit the detailed note on potential emission likely to generate from crusher due to handling of combined capacity of both the mines as well as loading and dispatch center be specifically addressed in the EIA/EMP report with quantification and its mitigation measures.
- vii. The Project Proponent should submit the complete details of the crushing plant and its capacity along with the location map and impact due to crushing operation and their mitigative measures.
- viii. The Project Proponent needs to submit the detailed land use for 326.05 Ha of undisturbed area along with the protection measures and rehabilitation if any to be covered in the EIA report.
- ix. The Project Proponent needs to submit the current status of R&R plan prepared in the year 2015. Also any amendment in augmentation, if any being done as a part of expansion to be properly indicated.

- x. The Project Proponent needs to submit the water management plan for creation of water body of 244.03 Ha at the conceptual stage and its utilization with the budget for benefit of the agriculture and local people.
- xi. The Project Proponent needs to submit the measures to be taken for protection of water bodies within the study area in the EIA/EMP report. PP need to submit plan for undertaking adequate plantation with suitable native species in the periphery of the water bodies.
- xii. The Project Proponent shall undertake the bench plantation at least up to 3 benches during mining and up to the water level of the abandoned benches proposed for creation of water bodies. Budget for the same needs to be provided.
- xiii. The Project Proponent needs to submit the copy of extension of lease issued vide letter dated 11.06.2015 and Agreement for extension of mining lease issued from Office of the Collector (Mining Office), District Dhar vide letter dated 19.05.2016.
- xiv. The Project Proponent shall obtain the NOC from CGWA for intersection of ground water table.

4.5 Proposal for Amendment in TOR granted vide dated 04.03.2021 for Tiringpahar Iron and Manganese Mine of M/s Tata Steel Limited with the production capacity of 0.85 LTPA of Manganese Ore in the mine lease area of 169.00 ha, located at Palsha, khondbond, Jaribahal and Gurda village at Barbil Tehsil in Champua sub-division of Keonjhar District in Odisha – [File No: J-11015/117/2018-IA-II(M); Proposal No: IA/OR/MIN/214987/2021, Consultant: Vimta Labs Limited] - Amendment in TOR.

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

The Proposal of M/s Tata Steel Limited is for Amendment in TOR granted vide dated 04.03.2021 for Tiringpahar Iron & Manganese Mines for production of 0.85 LTPA of Manganese Ore in the mine lease area of 169.00 ha, located at Palsha, khondbond, Jaribahal and Gurda village at Barbil Tehsil in Champua sub-division of Keonjhar District in Orissa. The mine lease area located between Latitude 21°54'00"N to 21°57'00"N and Longitude 85°23'00"E to 85°25'00"E. The mine lease area falls

under Survey of India Topo Sheet No. 73 G/5 (New Topo sheet Nos. F 45N/5) and falls under Seismic Zone II.

2. M/s Tata Steel Limited has made an online application vide online proposal no: IA/OR/MIN/214987/2021 dated 20.07.2021 and submitted Form 3 along with revised 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 as the mining lease area is greater than 100 ha and appraised at the Central level.

3. The Project Proponent initially obtained Environmental Clearance from MoEF vide letter no. J-11015/87/2004-IA. II(M), Dt.17.11.2005 for enhancement of production of Manganese Ore from 0.43 LTPA to 0.85 LTPA in the mine lease area of 169 Ha. Then, PP applied online for grant of Terms of Reference (ToR) as per the notification dated 06.04.2018 vide proposal no. IA/OR/MIN/79113/2018 dated 16.09.2018 and the proposal was considered in the 37th EAC meeting held during October 23-24, 2018 and the Committee deliberated the issues and was of the view that this is a violation case of the EIA Notification 2006 as PP has enhanced the manganese ore during 2006-07 (86715 TPA) against the approved EC capacity of 85,000 TPA. The Committee mentioned that the Ministry has notified the Notification vide S.O. 804 (E) on 14.03.2017 for handling such type of violation cases. The PP submitted that they have paid the compensation for violation of Common Cause order dated 02.08.2017. The Committee was of the view that as the PP has paid the compensation, they are very much aware about the violation and still did not apply under the violation notification S.O. 804(E) dated 14.03.2017 for which Ministry has provided a time period of six months. The Committee observed that PP has sufficient time for obtaining clarification from the Ministry in this regard. Thus, the Committee was of the view that this is a case of violation of the EIA Notification, 2006 as PP has enhanced the manganese ore during 2006-07 (86715 TPA) against the approved EC capacity of 85,000 TPA and the same may dealt by violation notification S.O. 804(E) dated 14.03.2017. The Committee deferred the proposal. The EAC suggested that the Ministry may examine the issues. In this regard, Ministry on 14.12.2018 requested the Dept. of Environment, Govt. of Odisha to initiate credible action against the PP under sec. 19 of the Environment (Protection) Act, 1986. Then, PP submitted the letter vide TSLDEL/06/2020 dated 20.11.2020 citing to Point 13 (1) of S.O 804 (E) dated 14.03.2017, that "our case is not considered to be case of violation under notification dated 14.03.2017 and also our proposal for grant of EC for expansion as per the EIA Notification, 2006 may kindly be considered for further processing and approval" and the proposal was again placed in the 27th sectoral EAC meeting held during 3rd -5th February, 2021 wherein the Committee noted that this is a violation of the EIA Notification 2006 and subsequent amendments as PP has enhanced the manganese ore during 2006-07 (86715 TPA) against the approved EC

capacity of 85,000 TPA and recommended the proposal for Terms of Reference and the Ministry accorded TOR vide Lr No IA-J-11015/117/2018-IA-II(M) dated 04.03.2021 for production capacity of 0.85 LTPA of Manganese Ore in the mine lease area of 169 Ha.

4. The Project Proponent informed that the company has planned for the expansion of the steel operations from present level of installed capacity of 19 Million Tonnes Per Annum to around 27 Million Tonnes per Annum by 2025-26. The present capacity of steel Plant at Jamshedpur is about 11 MTPA which is likely to expand to up to 13 MTPA. The company has also commissioned a new steel plant at Kalinganagar, Odisha having a capacity of 3 MTPA in first phase. In second phase, its capacity will be added by another 5 MTPA. Thus, the total capacity of the Steel plant at Kalinganagar will be 8 MTPA. The Company has acquired Steel making facilities at Angul (erstwhile Bhushan Steel Limited) now called Tata Steel BSL and at Gamharia (Usha Martin India Limited) under Tata Steel Long Product Limited. Further, Company has plans for expansion of its existing Sister Companies (Tata Metaliks Limited, Tata Steel Long Products Limited, Tata Steel BSL etc). Accordingly, the requirement of ferro alloys will increase for which Iron & Manganese ore requirement will increase. Tiringpahar Iron & Manganese Mines (TIMM), needs to expand the production from mines and supply desired grade ore to plants for fello alloys manufacturing. In view of the above, the Project Proponent is requesting for amendment in ToR as follows:-

- i. Ratification of the existing EC from EIA 1994 to EIA 2006 regime.
- ii. Enhancement in the Production of Manganese ore from 0.85 LTPA (0.98LTPA-ROM) to 5.38 LTPA (ROM)
- iii. Inclusion of Iron Ore as a product with a peak production capacity of 6.889 LTPA (ROM)
- iv. Peak Excavation of 52.17046 Lakh tonnes towards the end of the present mine plan period i.e. during 2024-2025. This expansion shall be carried out over the existing ML area of 169 ha.

5. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, the Committee opined that SOP dated 07.07.2021 issued by the Ministry for identification and handling of violation cases under EIA, 2006 has been stayed by the Madurai bench of Hon'ble High Court of Madras vide order dated 15.07.2021. 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.

4.6 Proposal for Terms of Reference of M/s Prism Johnson Ltd for Bairiha Chormari Limestone Mine with Limestone Production Capacity 3.0 Million TPA, Top Soil 0.094 Million TPA, Overburden Soil: 1.163 Million TPA & Waste 3.97 Million TPA (Total excavation – 8.227 Million TPA) in the mine lease area of 1580.981 ha at Villages: Bairiha & Chormari, Tehsil Rampur-Baghelan, District Satna, Madhya Pradesh – [File No.: IA-J-11015/47/2021-IA-II(M); Proposal No: IA/MP/MIN/213660/2021] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	34 th
Date of Meeting	27 th to 30 th July, 2021

2. Project details:

Name of the Project	Bairiha Chormari Limestone mine with Limestone Production Capacity of 3.0 Million TPA, Top Soil 0.094 Million TPA, Overburden Soil: 1.163 Million TPA & Waste 3.97 Million TPA (Total excavation – 8.227 Million TPA) in the mine lease area of 1580.981 ha	
Location	Village	Bairiha & Chormari
	Tehsil/Taluka	Rampur-Baghelan
	District	Satna
	State / UT	Madhya Pradesh
	Latitude	24° 33'18.154" N to 24°36'38.701" N
	Longitude	81° 03'8.833" E to 81° 08'7.723" E
	Sol Topo sheet No.	63H/2, 63D/14, 63D/15, 63H/2 & 63H/3
Company Name	M/s Prism Johnson Ltd	
Accredited Consultant Organisation and its certificate no.		
KML file	Submitted	
Seismic zone	Zone – II as per IS: 1893 (Part-I): 2002	

3. Category details:

Category of the project	A
Provisions	EIA Notification dated 14th September, 2006 and its subsequent amendments
Mining lease Area (MLA) (in ha.)	1580.981 ha
Project/Activity	1(a) Mining of minerals

4. The Proposal was earlier placed in the 32nd EAC meeting held during 28th June, 2021 to 1st July 2021. The Member Secretary informed the Committee that the Project

Proponent vide Lr ref no MIN/2021-210209 dated 26.06.2021 submitted that that they are not able to attend the meeting. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and deferred the proposal for want of the additional information.

5. Observation and Recommendation of the Committee:

During the 34th EAC (Non Coal Mining) meeting held during 27th to 30th July, 2021, the Member Secretary informed the Committee that the Project Proponent vide Lr ref no P JL/Min/2021/210234 dated 20.07.2021 informed that due to some unavoidable circumstances, they are unable to attend the meeting. The Committee noted that the Project Proponent did not attend the 32nd EAC meeting held during 28th June, 2021 to 1st July 2021 and also not submitted the desired information. The Committee therefore, **deferred** the proposal for want of following additional information:-

- i. The Project Proponent needs to submit the revised KML file clearly demarcating the agricultural land, reserves available in the mining area, safety zone, water bodies and other surface features within the mine lease area as the proposed mining area is in blocks.
- ii. The Project Proponent should bring out the material balance, mass balance, equipment flow sheet and mineral processing with flow charts.
- iii. Detailed water balance needs to be submitted by the Project Proponent.

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	27 th July 2021	28 th July 2021	29 th July 2021	30 th July 2021
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	Yes	Yes	Yes	Yes
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes	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	Yes
5	Shri Santosh Gupta	Flat No. 405, Block -B, Gaur Green Vista, NyayKhand - 1, Indrapuram, Ghaziabad- 201014	Member	Yes	Yes	Yes	Yes

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6	Dr. Asha Rajvanshi	B-104/106 Rockvalley Apartments, General Mahadev Singh road, Sewla chowk, Majra, Dehradun - 248001	Member	Yes	Yes	Yes	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes	Yes	Yes	Yes
8	Dr. A.K. Malhotra	House no.33, Sector-11 Dwarka, New Delhi- 110075	Member	Yes	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	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati- 781011, Assam	Member	Yes	Yes	Yes	Yes
11	Prof. Mukesh Khare	Department of Civil Engineering, IIT, Delhi	Member	No	Yes	No	No
12	Mr. V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, Mausam Bhawan, Lodi Road, New	Member	No	No	No	No

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		Delhi – 110003					
13	Sh. Pankaj Kulakshethra	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur - 440001	Member	Yes	Yes	Yes	Yes
14	Sh. P.K.Kundu	Representative of DGMS	Member	Yes	Yes	Yes	Yes
15	Shri Gowrappan	No. 6, Ganesh Avenue, II Street, Shakti Nagar, Porur, Chennai, Tamil Nadu-600116	Member	No	Yes	No	No
16	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira ParyavaranBhawan, MoEF&CC, Jorbag, New Delhi- 110003	Member Secretary	Yes	Yes	Yes	Yes
