

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

SUMMARY RECORD OF 52nd MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 52nd 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 on 14th -15th June, 2022 through video conference. The list of participants are 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 47th EAC Meeting (Non-Coal Mining) held during 7th – 9th March, 2022 and corrigendum minutes of 51st EAC meeting (Non-Coal Mining) held on 30th May, 2022:

The minutes of above-mentioned meetings were placed before the members of the Committee and following was informed by the Member Secretary:

1. The project proponent i.e M/s Shree Cement limited submitted the application (form 1) for Terms of Reference on PARIVESH portal on 20.02.2018 with the production capacity of 12.88 MTPA (ROM).
2. The Terms of Reference was granted on 12.04.2018 with a typographical error for the production capacity of 12.18 MTPA (ROM) instead of 12.88 MTPA as mentioned in the approved minutes of the 29th meeting held during 22nd – 23rd March, 2018.
3. The project proponent applied for Environmental Clearance on 17.11.2021 wherein project proponent mentioned production capacity of 12.88 MTPA in form II.
4. The public hearing was held on 01.09.2021 for same production capacity i.e., 12.88 MTPA as mentioned in the proceedings of the public hearing.
5. The production capacity of 12.88 MTPA is also mentioned in the EIA /EMP report, page no. ES-1 as well as C1-1.
6. Even the summation of break-up of the proposed excavation i.e. 4.38 MTPA limestone production, 8.14 MTPA over-burden & 0.36 MTPA inter- burden excluding top-soil equals to 12.88 MTPA as enumerated above.

In view of the above justification, following Corrigendum was made:

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

S. No.	As per 47 th EAC Meeting (Non-Coal Mining) held during 7 th – 9 th March, 2022	Typographical error as per project proponent’s letter dated 23.03.2022	EAC recommended in 52 nd EAC meeting held during 14 th -15 th June, 2022
1	Agenda 2.5, Para 17.	<p>Vide letter dated 23.03.2022, project proponent highlighted that: <i>“There is a correction of typographical error in total excavation capacity in project title as total excavation 12.88 MTPA excluding top soil (13.32 MTPA including top soil) instead of 12.18 MTPA excluding top soil.....</i> <i>This may be suitably corrected as mentioned above otherwise it will again wrongly reflect in EC letter. Therefore, we request you to please rectify the typographical error as 12.88 MTPA excluding top soil.”</i></p>	<p>After detailed presentation by the Project proponent and the Consultant, the Committee recommended the proposal for grant of Environmental Clearance for Mudhvay Limestone Mine with the production capacity of 12.88 MTPA (ROM) [4.38 MTPA limestone production, 8.14 MTPA overburden & 0.36 MTPA inter-burden excluding top-soil] and installation of 1200 TPH Crusher in the mine lease area of 233.5 ha located at Village Mudhvay, Taluka Lakhpat, District Kachchh, Gujarat of M/s Shree Cement limited subject to the compliance of following Specific conditions in addition to all Standard conditions applicable for non-coal mining projects.</p> <p>The total excavation of 12.18 MTPA shall now hereinafter may be read as 12.88 MTPA in the earlier issued ToR letter dated 12.04.2018 and minutes of the 47th EAC meeting held during 7th – 9th March, 2022.</p>

(1.0.1) Deliberation & Circulation on the Minutes of the 49th EAC Meeting (Non-Coal Mining) held during 19th – 21st April, 2022.

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

The minutes of above-mentioned meetings were placed before the members of the Committee. The Member Secretary informed the Committee that the following addendum was made as mentioned below:

(A) Agenda no. – 1.3 (Addition to para 12, page no. 20):

PP's email dated 6th June, 2022 and as per the recommendation of the 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022, following shall be incorporated in addition to para 12, page no. 20 of agenda 1.3 of the 49th EAC minutes:

Detailed break-up of physical targets which will be spent in 3 years w.r.t. Public Hearing are given below:

S. No.	Activities	Capital amount approx. (Rs. In Lakhs)	Recurring Cost (Rs. In Lakhs)
1.	Education Facility in Village Nandgaon, Ekodi, Bhoyegaon and Kawthala	59	2.0
2.	Health Facility in Village Nandgaon, Ekodi, Bhoyegaon and Kawthal	50	10.0
3.	Livelihood Enhancement	64	3.0
4.	Infrastructure development	192	10.0
5.	<ul style="list-style-type: none">➤ Plantation along with roads in the villages Nandgaon, Ekodi, Bhoyegaon and Kawathala➤ Training to farmers to grow the Cash crops to enhance agricultural growth➤ Training for Irrigation facilities/modern agricultural practices/Seed distribution etc.	120	8.0
	Total	485	33.0

Detailed breakup of each activity is given below:

S. No.	Activities	Capital amount approx. (Rs. In Lakhs)				Recurring Cost (Rs. In Lakhs)
		1 st Year	2 nd Year	3 rd year	Total	

1.	<p>Education Facility in Village Nandgaon, Ekodi, Bhoyegaon and Kawthala</p> <ul style="list-style-type: none"> ➤ Smart Boards (8 nos - <u>Rs. 8.0 Lakhs</u>) ➤ High speed internet, computer (40 nos - <u>Rs. 10 Lakhs</u>) & other accessories, etc. <u>Rs. 4.0 Lakhs</u> ➤ Installation of 8 drinking water coolers @ Rs. 30000/- per piece <u>Rs. 2.40 Lakhs</u> ➤ Playground Equipments in 8 nos of schools <u>Rs. 18.0 lakhs</u> ➤ Re-paint of the 8 nos of school buildings <u>Rs. 16.0 Lakh</u> ➤ Installation of fire Extinguishers (16 nos. @Rs. 3000/- per piece) and providing training to School children against cases of Fire emergency.<u>Rs-0.60 Lakh</u> 	√	√	-	59	2.0
2.	<p>Health Facility in Village Nandgaon, Ekodi, Bhoyegaon and Kawthala</p> <ul style="list-style-type: none"> ➤ Contribution to Covid center at 4 Village Nandgaon, Ekodi, Bhoyegaon and Kawthala with medical equipment like 4 oxygen concentrators (<u>Rs. 4.0 Lakh</u>), 40 beds in hospitals (<u>Rs. 4.0 Lakh</u>), PPE Kits, 4 nos of ambulance with all facilities, Sanitizers and mask distribution and Awareness programme for COVID (<u>Rs. 32 Lakh</u>) ➤ Distribution of 40 nos of sanitary napkin vending machine in Villages Nandgaon, Ekodi, Bhoyegaon and Kawthala 	-	√	-	40	10
		√	-	-	10	
3.	<p><u>Livelihood Enhancement</u></p> <ul style="list-style-type: none"> ➤ Construction of Skill Development center ➤ <u>2nd year</u> Land for SDC (about 4 Acres i.e. 4300 Sq ft. Cost - Rs. 1.6 Lakhs), Rooms (4 nos.x150 sq.ft.) & hall (2 no.x 600 sq.ft.) with fittings, fixture, furniture, etc. @ Rs.1800 per sq. ft.) - Rs. 32.4 Lakhs, Total 1.6+32.4 = Rs. 34 Lakhs ➤ <u>3rd year</u> - Workshop Shed, Sewing m/c - 10 nos. and Tools & Tackles for repair of Sewing m/c, TV & Mobile, Two wheelers, Electric gadgets, Cutting & welding, etc.- 30 Lakhs- 	-	√	√	64	3.0
4.	<p>Infrastructure development</p> <p>Adopted 04 Anganwadi Development work (Plaster, flooring, paint Etc.)</p>	-	-	√	20	0.5
	<p>CC road construction work in Village Ekodi, length 6 kms</p>	√	√	-	90	1.5

	Construct the New Gravel Gitti road in Bhoysgaon Village. Length 2 kms	-	√	-	10	1.5
	CC Road in Kawathala Village of length 1.5 kms	-	-	√	22	1.5
	Community Hall construction in Kawathala of size 40 X 80 feet	-	√	-	30	1.0
	Installation of 20 nos of Solar lights in common places of villages of Nandgaon, Ekodi, Bhoysgaon and Kawathala	-	√	√	20	4.0
5.	<ul style="list-style-type: none"> ➤ Plantation along with roads in the villages Nandgaon, Ekodi, Bhoysgaon and Kawathala 20 ha @5 ha in each village (2000 Plant/Ha-Fruit bearing species) ➤ Training to farmers to grow the Cash crops to enhance agricultural growth ➤ Training for Irrigation facilities/modern agricultural practices/Seed distribution etc. 	√	√	√	120	8.0
	TOTAL (Rs. In Lakh)				485	33

Day-1: 14th June, 2022 (Tuesday)

1.1 Environmental Clearance under MoEF&CC Notification S.O 1530(E) dated 06.04.2018 for existing Adityana Limestone, Marl & Clay Mine of M/s Saurashtra Cement Ltd in the Mine lease area of 431.4534 Ha out of 643.02 ha with Production capacity of Limestone 5.1 MTPA and Marl 1.69 MTPA with existing crusher of 1000 TPH located at Villages Adityana & Ranavav, Taluka-Ranavav, District Porbandar, State Gujarat [File No. J-11015/8/2019-IA.II (M); Proposal No. IA/GJ/MIN/81075/2018] - Environmental Clearance

The proposal is for Environmental Clearance under MoEF&CC Notification S.O 1530(E) dated 06.04.2018 for existing Adityana Limestone, Marl & Clay Mine of M/s Saurashtra Cement Ltd in the Mine lease area 643.02 ha with Production capacity of Limestone 5.1 MTPA and Marl 1.69 MTPA with existing crusher of 1000 TPH located at Villages Adityana & Ranavav, Taluka Ranavav, District Porbandar, State Gujarat.

1. Project details:

Location	Latitudes	Latitude - 21°41'54.32" N to 21°45'0.40" N
----------	-----------	--

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	Longitudes	Longitude - 69°40'33.22" E to 69°43'34.44" E
	Sol Topo sheet No.	41G/10 (Restricted)
Company's Name	M/s. Saurashtra Cement Ltd.	
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI), 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	

2. Category details:

Category of the project	Category "A", Project or Activity 1 (a) (3) for Mining of Mineral
Provisions	EIA Notification dated 14 th September, 2006 and its subsequent amendments
Mining lease Area (MLA) (in ha.)	Permitted Mining lease area 431.4534 ha out of 643.02 ha

3. ToR/EC Details:

ToR Proposal No.	IA/GJ/MIN/81075/2018
Online application date for Form-I	03.12.2018
Documents Submitted	Form I, PFR, KML File, Approved Mining Plan etc.
EAC meeting date	13.01.2021
ToR Letter No.	IA-J-11015/8/2019-IA-II(M)
ToR grant Date	08.02.2021
Production capacity	Limestone Capacity 5.1 MTPA, Marl Capacity: 1.69 MTPA
Total Excavation	6.79 MTPA
Crusher	Existing Crusher Capacity: 1000 TPH
EIA/EMP uploaded on	19.05.2022
Previous EC details	Environmental Clearance was granted by MoEF&CC vide letter No. J-10015/22/2001-IA-II (M) dated 16.07.2003 under EIA Notification, 1994 for existing Adityana Limestone, Marl & Clay Mine (Permitted MLA 431.4534 ha out of 643.02 ha) with Production capacity of Limestone 5.1 MTPA and Marl 1.69 MTPA with existing crusher of 1000 TPH at Villages Adityana & Ranavav, Taluka Ranavav, District Porbandar, State Gujarat.

4. Lease Details:

The Project Proponent submitted the Mining Lease details for Limestone Mineral, Marl & others was sanctioned in favor of Sh. Nanjibhai Kalidas Mehta over an area of 2248 acres (approx. 909.75 ha) by the Former Govt. of Saurashtra, Deptt. of Industry & Supply vide their Resolution no Ind./III/Q/6-7 dated 20.10.1956 for a period of 20 years with effect from date of execution. The Lease deed was executed on 09.03.1957.

- Initial lease deed was for Limestone & Clay at the time of ML grant.
- Further the mining lease was transferred in favor of M/s. Saurashtra Cement & Chemical Industries Limited from Shri Nanjibhai Kalidas Mehta vide Government of Bombay, Industries & Co-operation Department Notification no. MNL 1558/125293-MNG dated 30.05.1958.
- The original Lease period expired on 19.10.1976. The first renewal of the mining lease was sanctioned for limestone in favor of M/s Saurashtra Cement & Chemical Industries Limited over a reduced area of 1112.230 acres (450.25 ha) vide order No MCR-1576 (S-102)/8192/CHH dated 22.11.1976 for a period of 20 years w.e.f 20.10.1976. Lease deed was executed on 14.03.1977.
- The ML area once again changed to 1588 acres 38 guntas (643.02 ha) by adding area which deleted at last occasion vide Govt. of Gujarat letter no. MCR 1576(s-102) 1572/CHH dated 26.02.1979 and Supplementary lease deed was executed incorporating the amendment on 30.04.1979.
- The name of company was changed from M/s. Saurashtra Cement & Chemical Industries Limited to M/s. Saurashtra Cement Limited on 03.06.1994 under incorporation no 840.
- Second renewal application in Form “J” for mining lease was applied on 18.09.1995 for further a period of 20 years with effect from 14.03.1997 (till 13/03/2017) in the name of M/s. Saurashtra Cement Limited. Lease extension was deemed renewed as per clause Rule 24 A (6) of MCR 1960.
- Meanwhile, the mineral Marl has been added with limestone in name of M/s. Saurashtra Cement Limited vide State Govt. order dated 03.07.1996 & Supplementary Lease deed was executed on 06.09.1996.
- After the MMDR Act was amended with effect from 12.1.2015 where-under by virtue of Section 8-A(5), the period of mining lease for captive use stood statutorily extended to 31.03.2030. The State Government has also vide Order dated 24.10.2017, formally passed an order extending the lease to give effect to the provisions of Section 8 (A) (5).
- In accordance with the MoEF&CC OM dated 08.08.2019, State Govt. issued modified mining lease extension order dated 01.07.2020 provides that the company shall continue mining in Part B which is an area beyond 01 km from the boundary of the Barda Wildlife Sanctuary as below:

- **"Part-A:** Area up to 1 Km. from the boundary of Barda Wildlife Sanctuary (Part A - equal to 211.56666 hectares with the following condition) – Any direct mining in this area (1 Km.) from the boundary of Barda wildlife Sanctuary shall remain in abeyance till the restrictions for not undertaking the mining upto 1 Km. from the boundary of Barda Wildlife Sanctuary as per the office Memorandum dated 08/08/2019 is not withdrawn/ amended by Ministry of Environment, Forest and climate change, Government of India or otherwise the said restrictions are not withdrawn or clarified by the Apex court.

Part – B: Area beyond 1 km boundary of Barda Wildlife Sanctuary. Part B comprises 431.4534 hectares wherein the lessee shall continue mining beyond 1 Km. from the boundary of the Barda Wildlife Sanctuary as per the modified mining plan, subject to the compliance and clearances of other provisions."

5. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	684(4)(1)/ MP-298/ 2020-21-GNR/ 75															
	Date	27.01.2021															
	Validity	2021 – 2022 to 2025 - 2026															
Mining Parameters	Quantitative Description																
Bench Height	6 m (max.)																
Bench Width	Running bench – 12.0 m Ultimate bench – 6.0 m																
Method of Mining	Fully Mechanized Opencast Mining Method																
Individual bench slope	75°																
Overall pit slope	45°																
Drilling/Blasting	<p>The drilling and blasting option for production would be resorted only when the deployment of surface miner at the area will not be appropriate.</p> <p>Drilling hole for blasting is proposed to be done by the IBH-10 with hole dia. 150mm. Blasting will be adopted with require member of hole & row under a plan approved & permitted by the DGMS. The safe limit of vibration is 10mm/second. Non eclectic detonators will be used for initiation to ensure maximum safety.</p> <p>Drilling Parameter</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Particulars</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Drilling diameter</td> <td>150 mm</td> </tr> <tr> <td>2.</td> <td>Drill Hole spacing (A)</td> <td>4.5-5.5 m</td> </tr> <tr> <td>3.</td> <td>Drill Hole Burden (B)</td> <td>4-4.5 m</td> </tr> <tr> <td>4.</td> <td>Depth of the hole (C)</td> <td>6-7 m</td> </tr> </tbody> </table>		S.No	Particulars	Details	1.	Drilling diameter	150 mm	2.	Drill Hole spacing (A)	4.5-5.5 m	3.	Drill Hole Burden (B)	4-4.5 m	4.	Depth of the hole (C)	6-7 m
S.No	Particulars	Details															
1.	Drilling diameter	150 mm															
2.	Drill Hole spacing (A)	4.5-5.5 m															
3.	Drill Hole Burden (B)	4-4.5 m															
4.	Depth of the hole (C)	6-7 m															

	5.	Output/hole A x B X C X Bulk density of lime stone (1.9 Ton/m ³)	4 x 5 x 6 x 1.9 = 228
	6.	Meterage that can be drilled per working day from one shift working	54 m
	Blasting Parameter		
	Spacing		4.5-5.5 m
	Burden		4-4.5 m
Depth of hole		6-7 m	
Powder factor		4 t/kg	
RoM output size	± 500mm (Max.)		
Life of mine	19 years (For Limestone) and 13 years (For Marl)		
Transportation details	Transportation of Limestone & Marl from mine face to the crusher will be carried through dumpers/tippers (25/35 ton). Crushed material will be transported through conveyor belt to raw mix pile yard for consumption in the cement plant of Saurashtra Cement Limited (adjacent to Mine in South direction) at Ranavav, District: Porbandar, Gujarat		
Dumpers capacity	25/35 tonnes		

6. Land Area Breakup:

Part A-Non-Mining Zone	211.57 ha upto 1 Km from the Barda Wildlife Sanctuary
Part B-Mining Zone	431.45 ha is beyond the 1 Km from the Barda Wildlife Sanctuary - Mining is restricted in Part B
Government land	643.02 ha
Total Mining lease area (MLA)	643.02 ha

Reserve Details:

Particulars	Limestone (Million Tonnes)		Marl (Million Tonnes)	
	Part A	Part B	Part A	Part B
Total Geological Reserves & Resources	65.90	140.880	16.914	20.635
Mineable Reserves(up to G2-Indicated resources)	-	117.42	-	19.47
Life of Mine	19 years		13 years	

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

Particulars	Particular's Name	Directions
Nearest village	Habitation of Village Adityana	Adjacent in West direction
	Habitation of Village Ranavav	~ 0.5 km in SSE Direction
Nearest Town / City	Porbandar	~8.0 km in SSW direction
Nearest State/National Highway	<ul style="list-style-type: none"> ➤ SH-95 ➤ NH-8B ➤ SH-27 ➤ SH-28 	<ul style="list-style-type: none"> ➤ Adjacent to lease area in SW direction ➤ ~3.0 km in South Direction ➤ ~4.0 km in ESE direction ➤ ~8.5 km in WSW direction
Nearest Railway Station	Ranavav	~0.5 km in SE direction
Nearest Water Bodies	Khambhada Reservoir	~5.0 km in East direction

8. Water requirement

Total water requirement	286 KLD	Fresh water	286 KLD (Mine Sump Water)
Source	Mine Sump Water		

9. 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	No forest land is involved in the ML area as per the revenue record. NOC for the same has been obtained from DCF, Porbandar vide letter no. K/JMN/T.7/804/2018-19 dated 30.01.2019
National Park	No	
Wildlife Sanctuary & Forest	Yes	Eco Sensitive Zone of Barda Wildlife Sanctuary and boundary of Barda Wildlife Sanctuary is located at 190 m in East Direction. Distance verification certificate from Barda Wildlife Sanctuary has been obtained from DCF, Porbandar vide letter no. K/JMN/TE.7/784/2018-19 dated 30.01.2019 and from Chief Wildlife Warden vide their letter no. WLP/32/C-97-98/2021-22 dated 24.06.2021.

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Eco Sensitive Zone (ESZ)	Yes	Part A which is 211.57 ha is upto 1 Km from the Barda Wildlife Sanctuary.
Eco Sensitive Zone (ESZ)	No	Part B which is 431.4534 ha is beyond the 1Km from the Barda Wildlife Sanctuary - Mining is restricted in Part B.

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Six species were found to be schedule-I and five of them from Terrestrial (Indian Peafowl - <i>Pavo cristatus</i> , Black Kite - <i>Milvus migrans</i> , Black-winged Kite - <i>Elanus caeruleus</i> , Shikra - <i>Accipiter badius</i> and Eurasian Marsh Harrier - <i>Circus aeruginosus</i>) and one is from aquatic (Eurasian Spoonbill - <i>Platalea leucorodia</i>) habitats according to (IWPA) Indian Wildlife Protection Act, 1972.
Additional information (if any)	Yes	Conservation Plan has been approved from Principal Chief Conservator of Forest & Chief Wildlife Warden vide letter No WLP/32/C/1084-86/2021-22 dated 04.03.2022. A budget of Rs. 96 lacs have been allocated for site specific Wildlife Conservation Plan approved by Principal Chief Conservator of Forests & CWLW.

10. Status of CTE/CTO:

- No Objection Certificate Issued from Gujarat Pollution Control Board for Limestone 3.36 million Ton/Month & Marl/Clay 2.37 Million Ton /Month Vide letter No. PO/NOC/JNG-597/3314 Date of issued- 23/01/2002. Amendment of Consent to Establish (NOC) issued from Gujarat Pollution Control Board for Limestone Crusher Capacity 1000 Metric Ton/Hrs (TPH) vide letter No. GPCB/CCA-PBR-46(2)/ID-19300/129895 & CTE No-50492 dated 07/11/2012.

11. Green belt/plantation details:

Proposed area for green belt/plantation	248.02 ha
Budget for green plant & plantation till the end of life of mine.	An amount of Rs. 6.41 crore has been spent under greenbelt and plantation as a capital and in future an amount of Rs. 19.30 Crore (Capital cost) and Rs 57 lakh (Recurring cost).
Estimated Green belt/plantation	Area covered 10.22 ha
7.5 m barrier & non-mineralized zone	Part A: 27.36 Ha (Existing) + 149.13 ha (To be done) Part B: 71.53 ha [22.70 Ha (Bench plantation) + 6.21 ha (Greenbelt (7.5 m lease periphery) + 22.18 ha (Plantation on statutory barrier of Nalla, Road and Jambuvanti Cave) + 20.44 (Plantation on Undisturbed area)]
45/15/15 m safety zone of roads, nallah electric lines	
500 m safety zones of nearest habitation villages	
Additional information (if any)	

12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	March to May, 2021
Season (Summer/ Pre-monsoon/ Post-monsoon/ Winter)	Summer Season

13. Public Hearing (PH) Details

Date of PH	09.11.2000
Date of Public Consultation	15.04.2022
Venue	Earlier, Public Hearing was conducted on 09.11.2000 regarding the expansion of Adityana Limestone, & Marl Mines limestone production from 1.53 MTPA to 5.1 MTPA and marl from 0.69 MTPA to 1.69 MTPA. Public consultation was organized with Adityana, Ranavav and Boricha village stakeholders at Mehar Samaj Community Center, Boricha on 15.04.2022
Chaired by	
Main issues raised during PH	
Budget proposed for addressing issues raised during PH	Rs. 1.00 crores, Recurring cost 0.14 Crore

14. Court case details:

Court Case	One court case is pending under MMRD Act. Spl. Civil Application no.25064 of 2006 was filed to challenge the notification and letter no.211 of 2006 of Geology Science & Mines Dept, Porbandar wherein they have demanded to pay Royalty on marl @ Rs.20/-per MT which is effective from 1st April 2003 onwards. As per the order dt. 19.2.2008 of Justice Mr. C K Buch, in SCA no. 25064 of 2008 (which is one of group matter filed by Cement Industries) and court has partially stay granted and ordered to pay @Rs.12/- per MT in lieu of Rs.20/- per MT from 2003 onwards and accordingly, we are paying @ Rs. 12/- per MT. This order was subject to outcome of the SCA after final arguments. Matter is pending, the last date of listing was 15.04.2020 and the next date of hearing is listed on 01 st July 2022 fixed by court. Contingent liability for the same has already been provided in the books of accounts of the company.
------------	--

15. Rehabilitation & Resettlement:

R & R details	Not Applicable, as No habitations are present within the mining lease area and total mining lease area is Govt Land
---------------	---

16. Affidavit/Undertaking details:

Affidavit/Undertaking	Company has submitted an Affidavit to MoEF&CC that the mining would be done strictly in accordance with the statutory requirement & judgment of Hon'ble Supreme Court dated 2nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ores.
-----------------------	--

17. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	Certified EC Compliance report has been received from Regional Office MoEFCC vide letter no 3-7/2004 (ENV)/359 Dated 16.06.2019
Certified past production	Year-wise production details since inception of

	mine has been certified by State Geology and Mines Dept vide letter no. BhuPo/M.L/Akad/2425 dated 30.09.2020
--	--

18. Details of the EMP

Activities	Existing Cost (In Lakhs)	
	Capital	Recurring
Mitigative Measures		
Development for Greenbelt in 7.5 m wide safety: 43660 No. of saplings (Safety zone along the ML area 7.7 ha. Area of land 14.13 ha along the road side till sep.2021)	611.00	3.00
Plantation on un-worked area, around crusher, safety zone of nallah, habitation, including avenue plantation at village road area 10.60 hect- area having 21200 saplings. (Existing till sept.2021)	29.68	1.50
No. of water tanker mounted water sprinkling arrangement for water spraying at haul road, Mining area and other road transporting vehicles are passing through the habitant area.	30.00	5.00
Inbuilt water sprinkling system is there in our existing screening & Crusher plant. In addition to one No. of mist Cannon has been used at plant area for suppression of dust. (1 nos. of mist cannon @ 12 Lakh each)	12.00	0.50
Construction of garland drains. 01) (in length of 215m, width 1.8m, Depth 1.3m) 02) (in length of 330m, width 1.5m, Depth 0.75m) and 12 nos. Ground water recharge well (Dia 6-inch, Depth 40 m)	- - - 13.50	0.76 0.76 0.61
02 nos. Vacuum cleaner (for road cleaning purpose)	20.00	2.00
The Peak particle velocity monitoring for nearest habitation i.e. Village Adityana and Ranavav Noise Level Monitoring in core and buffer zone	0.20	0.05
Sub Total	716.38	14.18
Monitoring		
Display Board at main gate for display of Ambient, Air, Noise and Hazardous waste monitoring data.	5.00	1.00
Four Ambient Air Quality Monitoring Station	--	0.30
Continuous Ambient Air Quality Monitoring Station (01 No)	40.00	8.00
Air monitoring Equipment for PM10 & PM2.5	3.00	0.50
Weather monitoring Station with civil work.	5.00	--
Noise monitoring device	1.00	0.10

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Installation of piezometers along the periphery in the premises	--	5.00
<ul style="list-style-type: none"> • Water quality and level monitoring at mine site and villages (2 locations). • Monitoring of River and nallah (Flow and quality-inlet & outlet). • Workshop Waste water quality analyses 	- - -	0.31 - 0.13
Installation of STP (1 Nos) capacity of 270 KLD	40.00	1.08
Civil work for STP	35.00	--
Others- Digital mapping of the entire lease area once in five years	--	0.70
Sub total	129.00	17.12
Total	845.38	31.30

Sl. No.	Activities	Existing Cost (In Lacs.)		Proposed Cost (In Lacs.)		Total Cost (In Lacs.)	
		Capital	Recurring	Capital	Recurring	Capital	Recurring
1.	Mitigative Measures	716.38	14.18	2039	74.28	2,755.38	88.46
2.	Monitoring	129.00	17.12	5.50	13.12	134.50	30.24
3.	EMP Budget for public hearing	0.00	0.00	100.00	14.00	100.00	14.00
	Total	845.38	31.30	2144.50	101.40	2,989.88	132.7

19. Details of project cost and employment:

Particulars	Budget
Capital Cost for Environment Protection	21.44 Crore
Budget for addressing the Public Hearing issues	1.00 Crore
Total Cost for EMP	22.44 Crore
Recurring Cost for EMP	1.014 Crore
Project Cost	55.76 Crore
Employment	180 Persons

20. Observation and recommendation of the Committee:

The proposal was considered in the 52nd EAC meeting held during 14th to 15th June, 2022 the Committee after detailed deliberation **recommended** the proposal for Environmental Clearance under MoEF&CC Notification S.O 1530(E) dated 06.04.2018 for existing Adityana Limestone, Marl & Clay Mine of M/s Saurashtra Cement Ltd in the Mine lease area of 431.4534 ha out of 643.02 ha with Production capacity of Limestone

5.1 MTPA and Marl 1.69 MTPA with existing crusher of 1000 TPH located at Villages Adityana & Ranavav, Taluka Ranavav, District Porbandar, State Gujarat subject to the following specific conditions in addition to the general conditions of non-coal mining projects:

- i. The Project Proponent needs to put a boundary wall between Part A (No-Mining Zone) and Part B (Mining Zone). The Part A which is 211.57 ha that is within 1 Km from the Barda Wildlife Sanctuary shall be completely developed as per the guidelines of Gujarat Institute of Desert Ecology (GUIDE), Bhuj. As suggested by GUIDE gap plantation is to be completed by Project Proponent.
- ii. The Project Proponent needs to complete the plantation in the periphery as well as on the road side/fence within three years. Moreover, plantation shall also be carried out along the safety zone. Bench plantation, Buffer zone plantation and peripheral plantation should be completed with diverse species of minimum 10 feet height.
- iii. Water body must be maintained properly and water should be given to villagers on priority basis as and when required. The PP shall use the water from the water body for its operations only after meeting the water requirements of the villagers. PP should carry out the regular checking of the water quality/potability and scale formation before supplying the same to villagers.
- iv. The Project Proponent should submit annual report to the Ministry illustrating the progress made towards utilization of Rs. 1 Cr. indicated in EMP budget for capital expenditure.
- v. The Project Proponent shall submit action taken report on Public Hearing concerns separately to the Integrated Regional Office of the Ministry with the compliance of all concerns raised during the Hearing.
- vi. The Project Proponent shall use pit water for meeting its requirement of 286 KLD for its operations. Ground/ surface water shall only be used if extra-ordinary condition arises that too with prior permission from the Ministry and CGWA.
- vii. The Project Proponent shall undertake Air quality monitoring, Water quality monitoring, Noise monitoring, Vibration monitoring at the lease boundary and in the villages. The Air quality monitoring both in the upwind and down wind direction of the plant/ villages is to be done by the PP through installation of Continuous Ambient Air Quality Monitoring Stations in such numbers as per the scientific study and in consultation with CPCB.

- viii. The mining operations in no way should effect the Jamuvanti Cave. The Project Proponent should take necessary action to develop the area around Jamuvanti Cave by development of road, plantation, and drinking water facility.
- ix. The project proponent shall monitor water quality with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.
- x. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers.
- xi. If Clay is mined it should be stacked and stored separately and PP should not use for any purpose. Authenticated Clay production data should be maintained as certified by DMG.
- xii. The Project Proponent shall strictly follow the mitigation measures provided in MoEF&CC Office Memorandum No. Z-11013/57/2014-IA.II(M), dated 29th October, 2014.

1.2 Terms of Reference for Tadawas Limestone mine of M/s Hansdeep Industries and Trading Company Limited in the mine lease area of 423.97 ha with the production capacity of 2.0 MTPA of lime stone and 0.6 MTPA OB/ waste located at Tadawas, Berawas, Bhawanda & Khorawa Village, Tehsil Khimsar, District Nagaur, Rajasthan [File No. IA-J-11015/29/2022-IA-II (NCM); Proposal No. IA/RJ/MIN/273238/2022] – Terms of Reference (Auction mine)

The proposal is for Terms of Reference for Tadawas Limestone mine of M/s Hansdeep Industries and Trading Company Limited in the mine lease area of 423.97 ha with the production capacity of OB/ waste 292745 m³, Crusher capacity 1000 TPH, Normative Production 2.0 MTPA, Peak Production 10.0 MTPA located at Tadawas, Berawas, Bhawanda & Khorawa Village, Tehsil Khimsar, District Nagaur, Rajasthan.

2. Project details:

Location	Latitudes	Latitude - 26°55'35.88" N to 26°57'13.66" N
	Longitudes	Longitude - 73°27'38.11" E to 73°29'09.76" E
	Sol Topo sheet No.	45F/5

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Company's Name	M/s. Hansdeep Industries and Trading Company Limited
Accredited Consultant and certificate no.	Greenc India Consulting (P) Limited, QCI-NABET ACCREDITATION - NABET/EIA/2023/SA0155, Valid up to 22.02.2023
KML file	Submitted
Seismic zone	Zone III as per IS: 1893 (Part-I): 2002

3. Category details:

Category of the project	Category "A", Project or Activity 1 (a) for Mining of Mineral
Provisions	EIA Notification dated 14th September, 2006 and its subsequent amendments
Mining lease Area (MLA) (in ha.)	423.97 ha

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/273238/2022
Online application date for Form-I	18.05.2022
Documents Submitted	Form I, PFR, KML File etc.
Production capacity	OB/ waste: 292745 m ³ , Normative Production: 2.0 MTPA, Peak Production: 10.0 MTPA
Crusher	1000 TPH

5. Lease Details:

Validity of mine lease	50 years from date of mining lease execution	
Letter of Intent	Letter No.	p 3(2) Khan/Group – 2/2021
	Date	26.08.2021 and revised dated 20.09.2021

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)								
Letter No.	584(4) (3) (1889)/2021 RCOM-AJM							
Date	08.02.2022							
Validity	5 years from the date of mining lease execution							
Mining Parameters and Quantitative Description								
Pit ID	Year	Max Height of the Benches of Over	Min Width of the Benches of Over	Slope of Bench in Over Burden (Degree)	Max Height of the Benches in	Min Width of the Benches in	Slope of Bench in Mineral (Degree)	Overall slope of pit (Degree)

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

		burden	Burden		Mineral (m)	Mineral (m)		
New Pit (Pit I)	2nd	0	0	0	3	15	75	75
Pit-I	3rd	0	0	0	3	15	75	75
Pit-I	4th	0.7	15	75	8	15	75	75
Pit-I	5th	8	15	75	8	15	75	46

7. Land Area Breakup:

Village	Taluka	Type of Land	Nature of Land	Area (ha)
Tadawas	Khimsar	Govt. Land	Waste land	44.3768
		Govt. Land	Grazing land	104.5338
		Pvt. Land	Agriculture	113.8011
Berawas	Khimsar	Govt. Land	Waste land	43.5420
		Govt. Land	Grazing land	30.8338
		Pvt. Land	Agriculture	85.82242
Bhawanda	Khimsar	Govt. Land	Waste land	0.3089
		Pvt. Land	Agriculture	0
Khorawa	Khimsar	Govt. Land	Waste land	0
		Pvt. Land	Agriculture	0.7660
Total area (ha)				423.9848

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

Particulars	Particular's Name	Directions
National Highway	National Highway-62	The site is connected through Khimsar Bhawanda- Kankrai road which joins NH62 at 5.5 km in NW direction
Nearest Railway Station	Nagaur Railway Station	Nagaur Railway Station at 50.0 km in NE direction.
Nearest Airport	Jodhpur Airport	Jodhpur Airport at 98.0 km in SSW direction
Nearby Village	Tadawas	1.2 km W

9. Water requirement:

Total water requirement	305 KLD
Source	Sourced from the ground after permission from CGWA
Particulars	Capacity (KLD)
Dust suppression in Mining area:	52.5 KLD
Dust suppression in Crusher area	150.0 KLD

Machine washing:	20.0 KLD
Plantation/ greenbelt:	80.0 KLD
Domestic purposes:	2.5 KLD
Total (KLD)	305 KLD

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

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	NA
National Park	No	NA
Wildlife Sanctuary & Forest	No	
Eco Sensitive Zone (ESZ)	No	

11. Green belt/plantation details:

The Project Proponent proposed under green belt development in first five years for 3.5 ha area.

Green Belt Locations	Area proposed to be covered (ha)
Boundary barrier	0.6
Road barrier	0.65
Road barrier	0.75
Road barrier	1
Road barrier	0.5
Total Green Belt area	3.5
Green belt/ plantation Cost	3.60 Lakhs

Year Wise Proposal of plantation (first five year):

Year	Green Belt Locations	Area proposed to be covered (ha)	Number of Plants Proposed @ 1000 trees/ha.	Expected Survival rate (%)	Estimated Expenditure (INR)
1 st	Boundary barrier	0.6	600	80	300000
2 nd	Road barrier	0.65	700	80	350000
3 rd	Road barrier	0.75	800	80	400000
4 th	Road barrier	1	1000	80	500000
5 th	Road barrier	0.5	500	80	250000

12. Rehabilitation & Resettlement:

The Project Proponent submitted that total 56 no. hutments/ pakka/ structure houses existing within the project site are likely to be displaced. A resettlement & rehabilitation plan is under preparation. There will be a total of 224 private land losers from the Mine Lease area.

Details of Private land holders

Village	No. of land losers	Type of land	Nature of land
Berawas	78	Khatedari	Agriculture
Khorawa	1	Khatedari	Agriculture
Tadawas	145	Khatedari	Agriculture
	224		

13. Details of project cost and employment:

Particulars	Budget
Project Cost	18.34 Crore
Employment	47 Persons

14. Observation and recommendation of the Committee:

The proposal was considered in the 52nd EAC meeting to be held during 14th to 15th June, 2022 the Committee after detailed deliberation and the presentation made by the Project Proponent the Committee **recommended** the proposal for Terms of Reference for Tadawas Limestone mine of M/s Hansdeep Industries and Trading Company Limited in the mine lease area of 423.97 ha with the production capacity of 2.0 MTPA of Limestone and 0.6 MTPA of Over Burden/waste and 1000 TPH of Crusher capacity located at Tadawas, Berawas, Bhawanda & Khorawa Village, Tehsil Khimsar, District Nagaur, Rajasthan subject to the following specific conditions in addition to the general conditions of non-coal mining projects:

- i. The Project Proponent needs to submit the assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- ii. The Project Proponent needs to demonstrate the control case and worst-case scenario with controlling factor and GLCs values for all the pollutants and it should be clearly mentioned. The input parameters used for the modeling also needs to be submitted in the EIA/EMP report.
- iii. The Project Proponent needs to carry out the carrying capacity study & pollution potential in the mining lease area for the proposed transportation.

- iv. The Project Proponent needs to carry out the Vibration study and submit the impacts of vibration during blasting in the EIA report.
- v. 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 with a timeline for the concerns of the local people in terms of Education, Health-care and Environment.
- vi. 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.
- vii. The Project Proponent needs to submit the detailed greenbelt/plantation plan in tabular format (year wise for entire life of mine) with proper time bound capital and recurring cost. Entire plantation shall be carried out by planting the seedling of 10 ft height with at least 95% survival rate and the entire peripheral plantation, safety barrier plantation and gap plantation shall be completed within 6 months from the start of mining operations. The casualties of each year shall be replaced every year with new saplings and such number of saplings shall not be counted in the number of saplings proposed to plant in that year.
- viii. The project proponent shall monitor water quality with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.
- ix. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers.
- x. The project proponent needs to carry out the study to identify the species including the Schedule-I species and prepare the wildlife conservation plan for the available Schedule- I species. The wildlife conservation plan should cover the impact of mining.

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

The proposal is for Environmental Clearance for Limestone Mine - Khinya-II (A) Block of M/s JK Cement Limited in the Mining lease area of 304.0 ha with total excavation of 6.04 MTPA including 5.50 MTPA ROM (Cement grade 5.40 MTPA and

SMS grade 0.10 MTPA); 0.28 MTPA Inter-burden and 0.26 MTPA Alluvial Sand/Top soil along with Installation of one mobile crusher of 50 TPH and 1500 TPH Crushers with vibrating screen located at Village Khinya, Tehsil Shri Mohangarh (Mohangarh), District Jaisalmer, Rajasthan.

2. Project details:

Location	Latitudes	Latitude - 27°17'25.68" N to 27°18'31.03" N
	Longitudes	Longitude - 70°50'59.97" E to 70°52'13.78" E
	Sol Topo Sheet No.	Core zone - G42E15 Buffer Zone - G42E15 & G42E16
Company's Name	M/s. J.K. Cement Limited	
Accredited Consultant and certificate no.	J. M. EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023	
KML file	KML has been uploaded in Form 2 & same is enclosed	
Seismic zone	Zone - II as per IS:1893 (Part - I) : 2002	

3. Category details:

Category of the project	Category "A", Project or Activity 1 (a) - 3 for Mining of Mineral and 2 (b) - beneficiation of minerals
Provisions	EIA Notification dated 14 th September, 2006 and its subsequent amendments
Mining lease Area (MLA) (in ha.)	304.0 ha

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/234184/2021
Online application date for Form-I	14.10.2021
Documents Submitted	Form I, PFR, SOI, Toposheet, KML File, Approved Mining Plan, etc.
EAC meeting date	15.11.2021
ToR Letter No.	IA-J-11015/77/2021-IA-II (NCM)
ToR grant Date	16.12.2021
Production capacity	5.50 MTPA ROM (Cement grade 5.40 MTPA and SMS grade 0.10 MTPA)
Soil	0.26 MTPA Alluvial (Aeolian sand)/Top soil
Waste	0.28 MTPA Inter-Burden
Total Excavation	6.04 MTPA
Crusher	Installation of one mobile crusher of 50 TPH and 1500

	TPH Crushers with vibrating screen
EIA/EMP uploaded on	27.05.2022

5. Lease Details:

Validity of mine lease	50 years from registration of mining lease	
Letter of Intent	Letter No.	p 3(1) Khan/Gr. – 2/2021
	Date	18.05.2021
Additional information (if any)	Letter of Intent (LOI) through E-auction was granted in favor of JK Cement Limited by State Government of Rajasthan vide order no.p 3(1) Khan/Group.-2/2021 dated 18.05.2021.	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584 (4)(3)(1875)/2021-RCM-Ajmer	
	Date	11.08.2021	
	Validity	Upto 2021-2022 to 2025-2026	
Additional information (if any)	Transportation of Limestone	Initially in first 2 years production (ROM-Crushed limestone) will be nil. 3rd year production will be 0.15 MMTPA and 4th year will be 1.0 MMTPA which will be transported by 40 Tonnes limestone carrying capacity tippers from mine crusher to the nearest Railway Siding at Lanela/Sonu and then by railway to the existing cement plants of the company at Nimbahera and Mangrol in Rajasthan till set up of cement plant near to the deposit expected by 2027-28.	
Mining Parameters	Quantitative Description		
Bench Height	4.5 to 6.0 m		
Operational Bench Width	10 to 20 m		
Bench width in m (Final Closing stage)	6.0 m		
Method of Mining	Fully – Mechanized Opencast Mining		
Individual bench slope	80 ^o vertical		
Ultimate pit slope	45 ^o		
Drilling/Blasting	Mineral (Max) per day	19262 t	
	Height of bench	6.0 m (max)	
	Depth of hole including sub grade drilling	6.6 m	
	Burden	3.0 m	
	Spacing	4.0 m	
	Volume blasted per hole (6 x 3.0 x 4 = 72.0)	72.0 cu.m	

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	Tonnes blasted per hole (72.0 x 2.50)	180.00 t
	Powder Factor t/kg of explosive	6
	Explosive per hole	30 kg
	Explosive per day (19262/6 = 3210.33 kg)	3210 kg
	Ammonium Nitrate and Fuel Oil (ANFO) (90% ANFO & 10% Booster)	3210 kg / day
RoM output size	Up to 1.5 m ³	
Life of mine	27 years	
Transportation details	Excavated Limestone will be transported to the crusher (50 TPH and 500 TPH capacity) with the help of dumpers (40/60 Tonnes capacity) and further crushed limestone will be sent initially in existing cement plant of company in Rajasthan (by 40 Tonnes capacity tippers to the nearest Railway Siding at Lanelu/Sonu and will be further transported by rakes to our existing cement plant) in 3 rd year and later on to Captive Cement Plant by 40 Tonnes capacity of tippers by own road till Overland Belt Conveyor (OLBC) gets commissioned.	
Dumpers capacity	40/60 Tonnes capacity from mine face to crusher through haul road. 40 Tonnes capacity tippers Captive Cement Plant till OLBC gets commissioned.	

7. Land Area Breakup:

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

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

Particulars	Particular's Name	Directions
Nearest village	Khinya	~ 2.0 km in NNE direction
	Khinwasar	~ 1.8 km in SE direction
Nearest Town / City	Jaisalmer	~ 42 km in SSE direction
Nearest State/National Highway	Tar Road (Passing through the ML Area)	
	MDR – 19	~ 4.5km in WNW direction
	MDR – 103	~ 7.0 km in North direction
Nearest Railway Station	Jaisalmer	~ 42.0 km in SSE direction
Nearest Water Bodies	Indira Gandhi Canal (Sagarmal gopa branches)	~ 7.5 km in NNE direction
Nearest Airport	Jaisalmer	~47 km in South direction

9. Water requirement

Total water requirement	158 KLD	Fresh water	150 KLD
		Treated Water	8 KLD
Source	Indira Gandhi Nahar Project canal (Sagarmal Gopa branches) and Ground water with due permissions of CGWA.		
Permission	<ul style="list-style-type: none"> NOC for utilization of water from Indira Gandhi canal has been obtained from Indira Gandhi Nahar Department, Department of Water Resources, Govt of Rajasthan vide letter no F. 6(3) IGNB/2021 dated 04.03.2022. Application has been submitted to CGWA for ground water abstractions vide application No 21-4/17177/RJ/MIN/2022 dated 05.05.2022. 		

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	No forest land is involved in the ML area as per revenue record. NOC for the same has already been obtained from Deputy Conservator of Forest, Jodhpur Division vide letter dated 13.08.2021.
National Park	No	No National Park, Wild Life Sanctuaries, Biosphere Reserves, Wildlife Corridors, Tiger/ Elephant Reserve, Reserve/Protected Forest etc. within 10 km radius study area. NOC for the same along with authenticated location map has been obtained from DCF, Jaisalmer vide letter no F()DCF/Technical/2021-22/177 dated 12.01.2022
Wildlife Sanctuary & Forest	No	
Eco Sensitive Zone (ESZ)	No	

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

11. The status of Forest Clearance/Wildlife Clearance/CRZ/CGWA, if applicable: Not Applicable

12. Green belt/plantation details:

Proposed area for green belt/plantation	At end of the mine life, greenbelt development/Plantation area will be done on 77.751 ha, out of which 6.0 ha along 7.5 m safety
---	--

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	zone of ML boundary, 18.383 ha of safety zone along tar road & grazing land, 14.16 ha of backfilled area and 39.208 ha on top left over benches. 41.51 ha of backfilled area will be covered under Re - grassing.
Budget for green plant & plantation till the end of life of mine.	Rs. 1.97 Crore (Capital cost) and Rs 20.4 lakh (Recurring cost) have been earmarked for greenbelt, plantation & re-grassing till the end of life of mine
Additional information (if any)	Local and fruit bearing species will be planted after consultation with local forest officer and CPCB guidelines

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	6.0 ha
50 m safety zone of nallah, roads, electric lines	18.383 ha
Additional information (if any)	Plantation on 14.16 ha of backfilled area and 39.208 ha of mined out benches. 41.51 ha of backfilled area will be covered under Re - grassing.

13. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	October to December, 2021
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Post - Monsoon

14. Public Hearing (PH) Details

Advertisement for PH with date	02.03.2022
Date of PH	09.04.2022 at 11:00 AM
Venue	Rajiv Gandhi Sewa Kendra, Village: Khinya, Tehsil: Shri Mohangarh, District: Jaisalmer, Rajasthan
Chaired by	Chairperson Additional District Collector, Jaisalmer and Officers Regional Officer, Rajasthan State Pollution Control Board
Main issues raised during PH	Issues raised during public hearing were about Economic and Social development works, employment, environment pollution, health disease, education, infrastructure, Drinking water, RWH, agriculture development and

	plantation etc
Budget proposed for addressing issues raised during PH	Capital Cost Rs. 1.59 Crore Recurring Cost 0.27 Crore/Annum

15. Court case details:

Court Case	No court case pending against the project.
------------	--

16. Rehabilitation & Resettlement:

R & R details	<p>Total Mining lease area is 304 ha, out of which 165.25 ha is Govt. waste land, 43.03 ha is grazing and 95.72 ha is Private Land. There are total 45 families whose land comes in ML area. However, there is no habitation in ML area, hence no displacement is proposed.</p> <p>Company is purchasing private land by mutual agreement with land owner considering the provisions of Land Acquisition, Rehabilitation and Resettlement (LARR) Act, 2013. Proposed budget for land and R&R is given as below:</p> <ul style="list-style-type: none"> ▪ Total area to be purchase: 95.72 ha. ▪ Market Rate per ha: Rs 1.439 lacs ▪ Total R&R Budget with land cost Rs: 8.095 cr. ▪ Cost to the company per ha; Rs. 8.45 lacs
---------------	--

17. Affidavit/Undertaking details:

Affidavit/Undertaking	Affidavit in accordance with the statutory requirement & judgment of Hon'ble Supreme Court dated 2 nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ores before grant of ToR/EC has been submitted to MoEFCC.
-----------------------	---

18. Details of the EMP

S.No.	Particulars	Capital Cost (Rs. In Lacs)	Recurring Cost/Annum (Rs. In Lacs)
1	Two no of high-efficiency nozzle mounted water tanker for water sprinkling on haul roads.	70	5
2	Plantation on 7.5 m of periphery of mining lease area (6 ha) will be done in initial three year of plan period @ 1000 plants per ha (6000 nos.)	12	1.2

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

3	Plantation will be done till the end of mine life 71751 nos of plant in 71.751 ha area of backfilled, Bench slope and safety zone of road and grazing land	143.5	15
4	Re-grassing on 41.51 Ha area	41.51	4.2
5	03 nos. of Continuous Ambient Air Quality Monitoring Station at Mine office for the measurement of air quality for PM10, PM2.5, SO2, NOx and CO and real time data connectivity with CPCB/SRPCB server	150	12
6	Emission Monitoring of air quality, water quality and Noise by NABL accredited laboratory on quarterly basis. (Rs. 50000/- quarterly)	0	2
7	Peak Particle Velocity monitoring (Vibration monitoring)	3.5	0.5
8	Installation of 1 nos of piezometer along the periphery.	0.5	0.2
9	Installation of Water Sprinkler system	1.5	0.25
10	01 no of Rainwater Harvesting structure	10	2
11	Construction of road from Mine site to Village Road (2.5 KMS @ Rs. 1.5 cr/km)	375	12.5
12	Construction of garland drain (total length <u>1211</u> (1.5m (width) and 1.0m (depth)) and de-silting pit / settling pond for two nos. of dump (soil & subgrade) and Catch drain along the lease periphery 1.5m (width) and 1.0m (depth)	5	0.5
13	Construction of septic tank & soak pit	1	0
14	Roof top rainwater harvesting for mine office	2	0.2
15	4 nos. of Bag-filter for crusher system & dry-fog system	50	5
	Total	865.51	60.55

19. Details of project cost and employment:

Particulars	Budget
Capital Cost for Environment Protection	Rs. 8.66 Crore
Budget for addressing the Public Hearing issues	Rs. 1.59 Crore and recurring cost of 0.27 Crore
Total Cost for EMP	Rs. 10.25 Crore
Recurring Cost for EMP	Rs. 0.87 Crore per annum (including recurring cost of Public Hearing)
Project Cost	Rs. 75.20 Crore
Employment	181 Persons

20. Observation and recommendation of the Committee:

The proposal was considered in the 52nd EAC meeting held during 14th to 15th June, 2022. The Committee after detailed deliberation **recommended** the proposal for Environmental Clearance for Limestone Mine - Khinya-II (A) Block of M/s JK Cement Limited in the Mining lease area of 304.0 ha with total excavation of 6.04 MTPA including 5.50 MTPA ROM (Cement grade 5.40 MTPA and SMS grade 0.10 MTPA); 0.28 MTPA Inter-burden and 0.26 MTPA Alluvial Sand/Top soil along with installation of one mobile crusher of 50 TPH and 1500 TPH Crushers with vibrating screen located at Village Khinya, Tehsil Shri Mohangarh (Mohangarh), District Jaisalmer, Rajasthan subject to the following specific conditions in addition to the general conditions of non-coal mining projects:

- i. The Project Proponent should install the Continuous Ambient Air Quality Monitoring Stations in such numbers as per the scientific study and in consultation with CPCB.
- ii. The mine lease area includes 95.72 ha of private land which belongs to 45 families. The project proponent has submitted a package of Rs 8.095 crore towards compensation for the agricultural land. The EAC quoting the policy of LARR of Government of India advised the Project Proponent to ensure that each land losing family buys alternate land with the compensation amount. The compensation may only be disbursed at the time when these families are making an agreement for land purchase. The project proponent shall submit the progressive as well as final settlement details of R&R to IRO along with the compliance report every 6 months.
- iii. The Plantation in the public places which has been proposed by PP should include 50% fruit bearing trees which can become additional source of income for the local. The PP should ensure that the fruit trees are not planted along the roadside.
- iv. At no stage of the Mining operation the Grazing land will be diverted. A barrier between the mining zone and grazing land should be kept and boundary plantation to be taken up by the Project Proponent. Furthermore, the project proponent shall undertake development of the grazing land in consultation with villagers through re-grassing, drip irrigation and there should be an open access for all.
- v. The Grazing land also should be protected by 50 m safety zone, access to the grazing land and its maintenance will be also done by PP in consultation with villagers.
- vi. The Project Proponent should clearly indicate whether the existing road will be used for mining if minerals are found beneath. If mineral is found, a conceptual plan should be submitted by the PP clearly indicating the diversion of the existing road before initiating the Mining.

- vii. Since the progressive mining is proposed in 3rd year PP will have to follow the guidelines for protecting the commuters from the impacts of Drilling and Blasting. 50 m buffer zone on either side should be created to protect the commuters during the 1st five year plan.
- viii. The Project Proponent to install Continuous Ambient Air Quality Monitoring Stations near the impact zones. PP shall also undertake Water quality monitoring, Noise monitoring, Vibration monitoring at the lease boundary and in the nearby villages.
- ix. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- x. The Project Proponent shall continue to monitor the water quality of stream/nallah with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.
- xi. The Project Proponent should explore the possibility for shifting to clean energy using electric equipment for cleaner production options to reduce the emission generated from various machineries.
- xii. The Project Proponent shall strictly follow the mitigation measures provided in MoEF&CC Office Memorandum No. Z-11013/57/2014-IA.II(M), dated 29th October, 2014.

1.4 Environmental Clearance for Kumaraswamy Iron Ore Mine of M/s NMDC Limited in the mining lease area of 477.49 ha out of total mine lease area of 639.80 ha for expansion of production capacity from 8.6 MTPA (7 MTPA of Iron ore + 1.6 MTPA of waste) to 16.25 MTPA (10 MTPA of Iron ore + 6.25 MTPA of waste) with 1800 TPH Crushing and screening plant located at Village Deogiri, Tehsil Sandur, District Ballari, Karnataka - [File No. J-11015/13/2021-IA.II (M); Proposal No. IA/KA/MIN/273078/2018] – Environmental Clearance

The proposal is for Environmental Clearance for Kumaraswamy Iron Ore Mine of M/s NMDC Limited in the mining lease area of 477.49 ha out of total mine lease area of 639.80 ha. The proposal is for expansion of production capacity from 8.6 MTPA (7 MTPA of Iron ore + 1.6 MTPA of waste) to 16.25 MTPA (10 MTPA of Iron ore + 6.25 MTPA of waste) with 1800 TPH Crushing and screening plant. The mine lease area is located at Village Deogiri, Tehsil Sandur, District Ballari, Karnataka.

2. Project details:

Location	Latitude	15°00'00"to 15°01'20" N
	Longitude	76°33'55" to 76°37'10" E
	Sol Topo sheet No.	D43E12
Company's Name	NMDC Limited	
Accredited Consultant and certificate no.	Vimta Labs Limited, Hyderabad. Certificate No:NABET/EIA/1922/RA 0226 (valid up to: 27 May 2023)	
KML file	Submitted	
Seismic zone	Zone-II	

3. Category details:

Category of the project	Category "A", Project or Activity 1 (a) (3) for Mining of Mineral
Provisions	EIA Notification dated 14 th September, 2006
Mining lease Area	477.49 ha out of total mine lease area of 639.80 ha.

4. Terms of Reference details:

ToR Proposal No.	IA/KA/MIN/196028/2021 and IA/KA/MIN/215265/2021
Online application date for Form-I	03-02-2021(ToR) & 15-06-2021 (Amendment in ToR)
Documents Submitted	Form-1, PFR and Form-3 etc.
EAC meeting date	24-02-2021 and 13-07-2021
ToR Letter No.	J-11015/13/2021-IA-II(I)
ToR grant Date	23-03-2021 (ToR) and 4-08-2021 (Amendment in ToR)
Production capacity	Run Off Mine Iron Ore: Capacity enhancement from 7 to 10 million ton per annum (MTPA).
Soil	Nil
Waste	From 1.6 MTPA to 6.25 MTPA
Total Excavation	From 8.6 MTPA to 16.25 MTPA
Crusher	Existing 5 no's of in pit crushing / screening plant of 450 TPH capacity each and 1 no's-1800 TPH Crushing plant situated in Mining Lease.
EIA/EMP uploaded on	23-05-2022
Previous EC details	J-11015/93/2018-IA.II (M)dated 25.01.2021.

5. The Member Secretary informed the Committee that there had been a typographical error in the 33rd EAC Meeting held during 13th to 16th July 2021 wherein the waste excavation from 1.6 to 16.25 MTPA is written instead of waste excavation from 1.6 to 6.25 MTPA.

6. Observation and Recommendation of the Committee:

The proposal was considered for Environmental Clearance in the 52nd EAC meeting held during 14th -15th June, 2022. The certified compliance report dated 27.05.2021 stated that the project was earlier inspected in Oct, 2017, May, 2017 and April, 2019 and the compliance report is prepared based on the earlier inspection reports. The Committee felt that the project proponent needs to submit the latest certified compliance report followed by the inspection of the site by the IRO in accordance with Ministry's O.M. dated 08.06.2022 which states that, "*In case of proposals involving expansion of existing EC, CCR issued by the concerned Authority shall be valid for a period of one year from the date of inspection of the project. The submission of CCR beyond older than one year from the date of inspection shall not be accepted by the concerned MS of EAC/SEAC for placing it before the EAC/SEAC for carrying out the appraisal process.*"

Furthermore, the Member Secretary informed the Committee with regard to the typographical error mentioned in para 5 above. Hereinafter, the Committee agreed to correct the typographical error and therefore, the waste excavation shall be read as "waste excavation from 1.6 to 6.25 MTPA".

In view of the above observations, the Committee **deferred** the proposal with a request to project proponent for providing the following documents on PARIVESH portal:

- 1) The project proponent needs to submit the latest certified compliance report from IRO.
- 2) The project proponent needs to submit the detailed breakup of soil as well as waste production, if any.
- 3) The project proponent needs to submit the status of Wildlife conservation plan approval.
- 4) The project proponent needs to submit the breakup of activities to be undertaken as envisaged during the public hearing.

1.5 Expansion in Environmental Clearance of Lumshnong Limestone Mine of M/s Star Cement Limited in the mining lease area of 70ha with enhancement in production capacity of Limestone from 9 Lakh TPA (ROM) to 25 Lakh TPA (ROM) located at village Lumshnong, Tehsil Khliehriat, District East Jaintia Hills, Meghalaya - [File No. J-11015/34/2017-IA.II (M); Proposal No. IA/ML/MIN/272704/2017] - Environmental Clearance

The proposal is for expansion in Environmental Clearance for production capacity of Limestone from 9 Lakh TPA (ROM) to 25 Lakh TPA (ROM) in

Lumshnong Limestone Mine of M/s Star Cement Limited in the mining lease area of 70 ha. The mine lease area is located at village Lumshnong, Tehsil Khliehriat, District East Jaintia Hills, Meghalaya.

2. Project details:

Location	Latitudes	25°09'56.134"N to 25°10'34.288"N
	Longitudes	92°21'47.340"E to 92°22'26.153"E
	Sol Topo sheet No.	83C/8 (restricted)
Company's Name	M/s Star Cement Limited	
Accredited Consultant and certificate no.	Perfact Enviro Solutions Pvt Ltd. (NABET/EIA/1922/SA 0143) – Valid till 26.11.2022	
KML file	Submitted	
Seismic zone	V	

3. Category details:

Category of the project	Category "A", Project or Activity 1 (a) (3) for Mining of Mineral
Provisions	EIA Notification dated 14 th September, 2006
Mining lease Area	70 ha.
General condition	The mine lease area is 4.8 km away in South direction from Narpuh Wildlife Sanctuary. ESZ boundary is 2.7 km away in SE direction from the mine lease boundary.

4. Terms of Reference and previous Environmental details:

ToR Proposal No.	IA/ML/MIN/63217/2017
Online application date for Form-I	20/03/2017
EAC meeting date	27 – 28 th April, 2017
ToR Letter No.	J-11015/34/2017-IA-II(M)
ToR grant Date	18/07/2017
Production capacity	25 Lakhs TPA Limestone (ROM)
Soil	3.64 million tons of Overburden sandy soil (upto the life of mine)
Waste	10.72 million tons of inter-burden sandstone (upto the life of mine)
Total Excavation	30,00,000 TPA
EIA/EMP uploaded on	24.05.2022
Previous EC details	J-11015/04/2011-IA.II(M) dated 01.04.2016 obtained for enhancement in production capacity of Limestone from 9 Lakh TPA (ROM) to 25 Lakh TPA (ROM)

5. Observation and Recommendation of the Committee:

The proposal was considered for Environmental Clearance in the 52nd EAC meeting held during 14th -15th June, 2022. The Committee observed that the project proponent obtained the Terms of Reference from MoEF&CC on 18.07.2017, which was valid till 17.07.2020. Further, the Ministry's Notification S.O. 221(E), dated 18.01.2021, the validity of ToR was valid till 31.03.2022. The relevant extract of Ministry's S.O. 221 dated 18.01.2021 is as follows: *"Notwithstanding anything contained above, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Terms of Reference granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdown (total or partial) declared for its control, however, all activities undertaken during this period in respect of the said Terms of reference shall be treated as valid"*.

The project proponent applied for the Environmental Clearance on 24.05.2022 on PARIVESH portal. As per Ministry's O.M. dated 08.06.2022, *"In case the proposal for EC along with EIA/EMP reports based on the ToRs prescribed is not submitted within the validity period of ToRs, and/or not complying with the above-mentioned criteria, the concerned Member Secretary shall not accept the proposal and process shall be initiated de-novo by the*

PP”. Therefore, in view of the above, the Committee **returned the proposal in the present form.**

1.6 Environmental Clearance for Boricha Limestone Mine of M/s Saurashtra Chemicals Division of Nirma Ltd in the Mine lease area of 101.17 ha with the production capacity of 7,00,000 TPA (ROM) located at village Boricha, Taluka and District Porbandar, Gujarat –[File No. J-11015/67/2015-IA-II (M); Proposal No. IA/GJ/MIN/251176/2019;] - Re-consideration of Environmental Clearance

The proposal is for Environmental Clearance for Limestone production capacity of 7,00,000 TPA (ROM) in Boricha Limestone Mine of M/s Saurashtra Chemicals Division of Nirma Ltd in the Mine lease area of 101.17 ha. The mine lease area is located at village Boricha, Taluka and District Porbandar, Gujarat.

2. Project details:

Location	Latitudes	21°44'32.5144"N to 21°44'33.8615"N
	Longitudes	69°40'46.8505"E to 69°40'47.7705"E
	Sol Topo sheet No.	41G/09 & 10 (Restricted)
Company's Name	M/s Saurashtra Chemicals Division of Nirma Ltd	
Authorization	M/s Saurashtra Chemicals Division of Nirma Ltd submitted the authorization letter dated 12.02.2018 in the name of Sh. Ashish Desai.	
Accredited Consultant and certificate no.	Mantec Consultants Pvt. Ltd. NABET/EIA/2023/RA0205 – Valid till 20.04.2023	
KML file	Submitted	
Seismic zone	Zone- III as per IS 1893:2002	

3. Category details:

Category of the project	Category “A”, Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14 th September 2006 and subsequent amendments
Mining lease Area	101.17 Ha.
Barda Wildlife Sanctuary	Barda Wildlife Sanctuary (BWLS) is adjacent to said mine. It is established that around 36.2102 Ha of the eastern part of the lease area falls into the one km radius from the BWLS and 50m offset from 1-Km line as per TOR clause (i) This zone is considered as non-mining zone.

4. Terms of Reference details:

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

ToR Proposal No.	IA/GJ/MIN/115531/2019
Application date for	26 th August,2019
Documents Submitted	Form-1, PFR, KML File
EAC meetings	21 st October,2019 & reconsidered on 23 rd June,2020
ToR Letter No.	J-11015/67/2015-IA-II (M)
ToR grant Date	14 th July 2020
Production capacity	Sized Limestone(tonnes)-80%: 5,60,000 Metric Tonnes Undersized Limestone – 20%: 1,40,000 Metric Tonnes
Soil	As per approved mining plan, no top soil will be generated.
Waste	As per approved mining plan, there will be no OB/IB.
Total excavation	7,00,000 TPA (ROM)
EIA/EMP uploaded on	14 th January 2022
Earlier EAC Meeting	1) 46 th EAC meeting held during 15 th to 17 th February 2022. 2) 49 th EAC Meeting held during 19 th to 21 st April, 2022.

Earlier EAC meeting: The proposal for Environment Clearance was considered in 49th EAC Meeting held during 19th to 21st April, 2022 wherein the proposal was deferred. ADS was generated on 29.04.2022 and the project proponent submitted the reply 23.05.2022 which is as follows:

S. No .	ADS dated 29.04.2022	Reply by project proponent dated 23.05.2022												
1	The budget indicated for planting the 32,250 no. of plants needs to be revised by taking actual cost of plantation which includes	<p>The budget for planting 32,250 no. of plants in 21.50 Ha has been revised by taking the actual cost of plantation. The revised Cost Breakup of Greenbelt is as per below:</p> <table border="1"> <thead> <tr> <th colspan="4">Cost of Green Belt Development (Capital cost includes Sapling Cost, Soil, chain link and Tree guards for avenue plantation. Recurring cost includes fertilizer & maintenance)</th> </tr> <tr> <th>Sr.No</th> <th>Item</th> <th>Capital Cost(Rs.in Lakh)</th> <th>Recurring Cost(Rs.in Lakh)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Plantation at buffer of 50 m offset from the 1 km line & at the periphery of mine lease area i.e. 3.92 ha</td> <td>48.52</td> <td>3.0</td> </tr> </tbody> </table>	Cost of Green Belt Development (Capital cost includes Sapling Cost, Soil, chain link and Tree guards for avenue plantation. Recurring cost includes fertilizer & maintenance)				Sr.No	Item	Capital Cost(Rs.in Lakh)	Recurring Cost(Rs.in Lakh)	1	Plantation at buffer of 50 m offset from the 1 km line & at the periphery of mine lease area i.e. 3.92 ha	48.52	3.0
Cost of Green Belt Development (Capital cost includes Sapling Cost, Soil, chain link and Tree guards for avenue plantation. Recurring cost includes fertilizer & maintenance)														
Sr.No	Item	Capital Cost(Rs.in Lakh)	Recurring Cost(Rs.in Lakh)											
1	Plantation at buffer of 50 m offset from the 1 km line & at the periphery of mine lease area i.e. 3.92 ha	48.52	3.0											

	sapling cost, cost of pit, fertilizer, manure, soil and further maintenance cost over a period of 3 years. Sapling size should be minimum 10 ft and either fencing or individual tree guard cost also should be included.		with total 5880 saplings of 10 ft.																																		
		2	Plantation at SBZ area of Tar Road i.e. 1.68 ha with total 2520 saplings	5.5	0.7																																
		3	Plantation in NMZ area i.e. 15.90 ha with 23,850 saplings	52.47	6.0																																
		4	Avenue plantation at village road of 3 km.	6.0	0.5																																
		5	Drip Irrigation System	10.0	0.5																																
		Total Cost of Greenbelt		122.49	10.7																																
		Earlier Cost of Greenbelt		19.35	1.94																																
2	The project proponent needs to submit the revised EMP budget with capital and recurring cost for the mining activities.	Revised EMP budget with capital and recurring cost is given below:																																			
		<table border="1"> <thead> <tr> <th>S.NO.</th> <th>ITEM</th> <th>CAPITAL COST (RS. IN LAKH)</th> <th>RECURRING COST (RS. IN LAKH)</th> </tr> </thead> <tbody> <tr> <td colspan="4">I. EMP for Pollution Control & Monitoring</td> </tr> <tr> <td colspan="4">A. Air Pollution Control & Mitigation</td> </tr> <tr> <td>1</td> <td>Water Sprinkling arrangements for haulage road and mining area</td> <td>10</td> <td>4.0</td> </tr> <tr> <td>2</td> <td>Wet drilling for control of fugitive emission</td> <td>1.0</td> <td>0.25</td> </tr> <tr> <td colspan="4">B EMP for Water Quality Management and Monitoring</td> </tr> <tr> <td>1</td> <td>Septic tank/soak pit for sewage disposal</td> <td>3.0</td> <td>---</td> </tr> <tr> <td colspan="4">C EMP for Noise and Vibration Management and</td> </tr> </tbody> </table>				S.NO.	ITEM	CAPITAL COST (RS. IN LAKH)	RECURRING COST (RS. IN LAKH)	I. EMP for Pollution Control & Monitoring				A. Air Pollution Control & Mitigation				1	Water Sprinkling arrangements for haulage road and mining area	10	4.0	2	Wet drilling for control of fugitive emission	1.0	0.25	B EMP for Water Quality Management and Monitoring				1	Septic tank/soak pit for sewage disposal	3.0	---	C EMP for Noise and Vibration Management and			
S.NO.	ITEM	CAPITAL COST (RS. IN LAKH)	RECURRING COST (RS. IN LAKH)																																		
I. EMP for Pollution Control & Monitoring																																					
A. Air Pollution Control & Mitigation																																					
1	Water Sprinkling arrangements for haulage road and mining area	10	4.0																																		
2	Wet drilling for control of fugitive emission	1.0	0.25																																		
B EMP for Water Quality Management and Monitoring																																					
1	Septic tank/soak pit for sewage disposal	3.0	---																																		
C EMP for Noise and Vibration Management and																																					

			Monitoring		
		1	Providing Ear plugs/muffs to all the workers	1.0	1.0
		2	Procurement of Blast Vibration & Noise Level meter	6.0	-
		D	Environmental Monitoring		
		1	Ambient Air Quality Monitoring, Water Quality Monitoring (Surface water & Ground water), Noise Monitoring & Soil quality monitoring at Mine Site & at 4 other villages quarterly monitoring (20 AAQM + 20 GW + 10 SW + 20 Soil)	----	3.70
		II	Green Belt Development (Capital cost includes Sapling Cost, Soil, chain link and Tree guards for avenue plantation. Recurring cost includes fertilizer & maintenance)		
		1	Plantation at buffer of 50 m offset from the 1 km line & at the periphery of mine lease area i.e. 3.92 ha with total 5880 saplings of 10 ft.	48.52	3.0
		2	Plantation at SBZ area of Tar Road i.e. 1.68 ha with total 2520 saplings	5.5	0.70
		3	Plantation in NMZ area i.e. 15.90 ha with 23,850 saplings	52.47	6.0
		4	Avenue plantation at village road of 3 km.	6.00	0.50
		5	Drip Irrigation System	10.0	0.5
		III	Cost for conservation of schedule-1 species as per approved Wildlife Conservation Plan	-	29.5
		IV	Occupational Annual Health Checkup including respiratory & hearing parameters	20	9
		V	Corporate Environment Responsibility/Public Hearing Concerns	70	15
		Total EMP Cost		233.49	73.15
		Earlier EMP Cost		69.97	12.09
3	The project proponent	<ul style="list-style-type: none"> Nirma Ltd. has allocated CER funds towards the maintenance of nearby school and health & hygiene 			

needs to submit the EMP cost for addressing public concerns through the timeline of three years with capital and recurring expenditure.	facilities to the nearby villages from the mine site. The CER cost for three years with given below and as per need assessment activities/villages may vary and cost may also increase.			
	Location	Activity	Capital Cost (lacs)	Recurring Cost (lacs/annum)
	Activities & Amount to be spent in 1st Year (Activity will be selected from the given as per requirement of particular village/school)			
	Activities for School Boricha Primary School	<ul style="list-style-type: none"> Support for purchase of furniture for the classroom Repair & White wash of the school building Providing meritorious scholarship to students Renovation/maintenance of sanitation facilities like separate toilet for girls&boys Renovation & maintenance of Drinking water facilities. 	10	2.5
	Activities for villages Boricha& Zinzarka	<ul style="list-style-type: none"> Organization of yearly medical checkup camp. Providing equipment to Primary Healthcare Center. 	10	2.5
	Total amount in 1st Year		20	5
	Activities & amount to be spent in 2nd Year (Activity will be selected from the given as per requirement of particular village/school)			
	Activities for School JharSimsa la Primary School	<ul style="list-style-type: none"> Support for purchase of furniture for the classroom Repair & White wash of the school building Maintenance of Computer lab Providing meritorious scholarship to 	10	2.5

		<ul style="list-style-type: none"> students • Support for purchase of Sports equipment and other curricular activities • Renovation/maintenance of sanitation facilities like separate toilet for girls&boys • Renovation & maintenance of Drinking water facilities 		
	Activities for villages Adityana & Ranpur	<ul style="list-style-type: none"> • Organization of yearly medical checkup camp. • Providing equipment to Primary Healthcare Center. 	10	2.5
	Total amount in 2nd Year		20	5
	Activities & amount to be spent in 3rd Year (Activity will be selected from the given as per requirement of particular village/school)			
	Activities for School Adityana Primary School	<ul style="list-style-type: none"> • Support for purchase of furniture for the classroom • Repair & White wash of the school building • Providing meritorious scholarship to students • Support for purchase of Sports equipment and other curricular activities • Renovation/maintenance of sanitation facilities like separate toilet for girls&boys • Renovation & maintenance of Drinking water facilities 	10	2.5
	Activities for villages	<ul style="list-style-type: none"> • Organization of yearly medical checkup camp. • Providing equipment to 	10	2.5

		Bakhrala & Beran Village	Primary Healthcare Center.		
			• Skill development & training program.	10	-
		Total amount in 3rd Year		30	5
		Grand Total		70	15
4	The plantation cost should be included for avenue plantation which includes village road of 3 km length and submit.	<ul style="list-style-type: none"> • The avenue plantation cost i.e. capital cost of 6.0 Lakh & recurring cost of Rs.0.50 Lakh has been included in total cost of greenbelt as stated above. This will include avenue plantation along the both sides of village road of 3 km length. • Considering @1 tree/10m along the 3 km of the village road, approx. 600 trees on both sides of the road will be planted as avenue plantation. 			

5. Lease Details:

Granted Mine Lease	Area	101.17 Ha (250 acres)
	Mineral	Limestone
	Location	S. No. 22/2P of Village: Boricha, Taluka: Porbandar, District: Porbandar (earlier Junagadh)
	Order no.	MCR-1563-22089-CHH dated 27.08.1965 and MCR-1563-33800-CHH dated 10.12.1965 for captive use in Soda ash plant
	Execution date	10.07.1966 for period of 20 years
Validity of mine lease	The State Government has extended tenure of the mining lease up to 31.03.2030 vide order No. MCR/1563/22809/CHH dated 02.02.2018 and the District Collector, Porbandar has executed the lease deed on 28.01.2019 for the period up to 31.03.2030 in name of M/s Saurashtra Chemicals, Division of Nirma Limited which was registered with Registrar Porbandar on 22.02.2019.	
Additional information	<ul style="list-style-type: none"> • Initially, mining lease was granted & executed on 10.07.1966 by the State Govt. for 20 years period i.e. up to 09.07.1986. • Company has applied for 1st renewal of the lease on 	

	<p>08.07.1985 for further 20 years period i.e. up to 09.07.2006.</p> <ul style="list-style-type: none"> • State Govt. vide order no. MCR-1585-(S-137)-627-CHH, dated: 06.03.1987 rejected the renewal of mining lease stating sufficient limestone reserves to feed the plant in other mining leases. • Company had challenged the rejection order by filling RCS no. 309/93 in Hon'ble Court of learned Civil Judge (S.D.) Porbandar, who was pleased to allow the suit vide judgment & decree dated 09.09.1996 for renewal of the mining lease for 20 years • State Govt. preferred the appeal by filing Regular Civil Appeal No. 1/97 in the Court of Joint District Judge (S.D.) Junagadh at Porbandar. In the Judgment dated 03.05.2004 learned Joint Civil Judge confirmed the Judgment & Decree passed by Learned Civil Judge (S.D.) in RCS No. 309/93 on 09.09.1996. • Hon'ble Court also noted that lessee is under obligation to apply for second renewal about 12 months before expiry of lease period, considering the expiry of the lease period of first renewal on 09.07.2006. • Accordingly, the company has applied for second renewal on 14.06.2005 i.e. before one year of the expiry of the lease period. In spite of company's repeated request, the issuance of renewal grant orders were under consideration with the State Govt. for longer period. • Meanwhile, Central Govt. has amended "Mines and Minerals (Development and Regulation) Act-1957 w.e.f 12.01.2015, incorporating special provisions relating to the extension of the tenure of the existing captive leases under section 8A(5), accordingly, the state govt. has issued a order No MCR/1563/22809/CHH dated. 02.02.2018 vide which lease period has been extended up to 31.03.2030. • The District Collector, Porbandar has executed the lease deed on 28.01.2019 for the period up to 31.03.2030 in name of M/s Saurashtra Chemicals, Division of M/s Nirma Limited which was registered with Registrar Porbandar on 22.02.2019. • Thus, validity of mining lease is up to 31.03.2030
--	--

6. Mining plan details:

Mining Plan approved by Indian Bureau of Mines, Ajmer	Letter No.	684(4)(1)/MP-317/2020-21-GNR
	Date	2 nd March, 2021
	Validity	31 st March, 2026
	In favor of	Boricha Limestone Mine (MLA: 101.17 Ha) of M/s Saurashtra Chemicals

	Non-mining zone	Out of 101.17 Ha, 36.2102 Ha has been undertaken to be non-mining zone.
Mining Parameters	Quantitative Description	
Bench Height	3 m	
Bench Width	3 m	
Method of Mining	Open cast Semi- mechanized with drilling & blasting (Sizing within the pit will be manual)	
Individual bench slope	85°	
Overall pit slope	85°	
Drilling/Blasting	Average 188 m drilling per day & 52 holes blast per day	
RoM output size	7,00,000 TPA	
Total working days	300 days	
Life of mine	6.4 years* *The Life of mine may be increased based on reserves estimation after the completion of exploration proposal.	
Transportation details	Loading/unloading will be done by manually. Transportation of mineral to soda ash plant (viz. @ 19 kms from mine site) will be done through covered truck/dumper only.	
Dumper's capacity	30 ton	

7. Land Area Breakup:

Private land	Nil	
Government land	101.17 Ha.	
Total Mining lease area (MLA)	101.17 Ha.	
Barda Wildlife Sanctuary	Mining lease area is falling outside Barda wildlife sanctuary and its Eco Sensitive Zone (ESZ) as notified by MoEF& CC, New Delhi vide notification dated 28.04.2017. Barda Wildlife sanctuary (BWLS) is adjacent to said mine. One km line from the periphery of BWLS as well as the buffer of 50m offset from the 1-Km line (w.r.t. boundary of BWLS) is projected and also marked on the Surface Plan. It is established that around 36.2102Ha of the eastern part of the lease area falls into the one km radius from the BWLS and 50m offset from 1-Km line. This zone is considered as non-mining zone.	

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

Particulars	Particular's Name	Distance &Directions
Nearest Village	Boricha	1 km, SE
Nearest Highway	SH-95	3.9 km, W
Nearest Railway Station	Ranavav Railway station	7.6 km, SE
Nearest Water Bodies	Khambhala Dam	8 km,E

9. Water requirement

Total water requirement	55 KLD	Domestic water	18 KLD
		Dust Suppression	21 KLD
		Greenbelt	16 KLD
Source	Nearby villages/company's other mine		

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	Barda Wildlife Sanctuary & its eco sensitive zone is adjacent to mine lease area. Certificate from DCCF & CWLW has been received regarding mine lease area does not fall in ESZ of Barda Wildlife Sanctuary on 17/06/2020.
National Park	No	
Wildlife Sanctuary	Yes	
Eco-Sensitive Zone (ESZ)	Yes	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Eurasian Spoonbill, Eurasian Sparrow hawk, Indian Peafowl, MacQueen's Bustard, Osprey, Leopard, Pangolin, Ratel, Wolf
Wildlife Conservation Plan	Yes	Wildlife Conservation Plan for Schedule-1 species was approved by Chief Wildlife Warden on 16 th February,2022 vide letter no. WLP/32/C/970-472/2021-22.

12. Status of CTE/CTO – Not obtained.

13. Green belt/plantation details:

Proposed area for green belt/plantation	21.50 Ha.
Budget for green plant& plantation till the end of life of mine.	Capital Cost: 110.21 Lacs Recurring Cost: 10.2 Lacs

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	3.92 Ha.
50 m safety zone of nallah, roads, electric lines	1.68 Ha
500 m safety zones of nearest habitation villages	-
Non-mining zone area	15.90 Ha
Additional information	Avenue plantation at village road of 3 km

14. Baseline details:

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)		
Period of baseline data collection	March'21 to May'21	
Season	Pre-Monsoon	
Air Quality Monitoring	PM ₁₀	50-78 µg/m ³
	PM _{2.5}	29-56 µg/m ³
	SO ₂	4-18 µg/m ³
	NO ₂	12-32 µg/m ³
Ground Water Monitoring	pH	7.14- 7.89
	TDS	316-497 mg/L
	Total Hardness	199-336 mg/L
	Chloride	39-104 mg/L
	Fluoride	0.27-1.41 mg/L
	Mercury	<0.001
	Lead	<0.002
Surface Water Monitoring	pH	7.25-7.54
	DO	5.4-5.6 mg/L
	BOD	18-22 mg/L
	COD	52-68 mg/L
Noise Monitoring	Day time	48.6- 60.4 dB
	Night time	36.8- 56.2 dB
Soil Monitoring	pH	7.26-7.66
	Nitrogen	12.6-13.9 mg/100gm
	Phosphorous	0.80-0.93 mg/100gm
	Potassium	8.83-9.45 mg/100gm
	Conductivity	146-478 micro mhos/cm
Ground Water Table	Pre-Monsoon	28 m bgl
	Post-Monsoon	23 m bgl
Mitigation measures to prevent Environmental Pollution	<ul style="list-style-type: none"> • Water sprinkling will be done on unpaved roads to avoid dust generation during transportation. • Dust mask will be provided to the workers engaged at dust generation points like excavation and loading points. • Personal protective equipment will be provided to prevent the noise exposure. • Green belt will be developed with dense hedges 	

	<p>around the lease boundary to avoid the noise in the vicinity.</p> <ul style="list-style-type: none"> • Controlled blasting will be carried out with proper spacing and stemming so that noise can be avoided. • Ground water level will not be intersected due to proposed mining activity. • The air and water pollution control measures during construction and operation phases would ensure minimum degradation of surrounding vegetation, forest area and water bodies. • For the Schedule-I species, the recommendations of the conservation plan should be implemented by the project.
--	---

15. Public Hearing Details:

Advertisement for PH with date	Indian Express (English):18.11.2021 Sandesh (Gujarati):18.11.2021
Date of PH	24/12/2021
Venue	Mine Site
Chaired by	Resident Additional Collector & Additional District Magistrate, Porbandar and Regional Officer, Gujarat Pollution Control Board, Porbandar
Main issues raised during PH	Regarding employment generation

16. Details of budget proposed for addressing issues raised during Public Hearing:

Location	Activity	Capital Cost (lacs)	Recurring Cost (lacs/annum)
Activities & Amount to be spent in 1st Year			
(Activity will be selected from the given as per requirement of particular village/school)			

Activities for School Boricha Primary School	<ul style="list-style-type: none"> • Support for purchase of furniture for the classroom • Repair & White wash of the school building • Providing meritorious scholarship to students • Renovation/maintenance of sanitation facilities like separate toilet for girls&boys • Renovation & maintenance of Drinking water facilities. 	10	2.5
Activities for villages Boricha& Zinzarka	<ul style="list-style-type: none"> • Organization of yearly medical checkup camp. • Providing equipment to Primary Healthcare Center. 	10	2.5
Total amount in 1st Year		20	5
Activities & amount to be spent in 2nd Year (Activity will be selected from the given as per requirement of particular village/school)			
Activities for School JharSimsala Primary School	<ul style="list-style-type: none"> • Support for purchase of furniture for the classroom • Repair & White wash of the school building • Maintenance of Computer lab • Providing meritorious scholarship to students • Support for purchase of Sports equipment and other curricular activities • Renovation/maintenance of sanitation facilities like separate toilet for girls&boys • Renovation & maintenance of Drinking water facilities 	10	2.5
Activities for villages Adityana & Ranpur	<ul style="list-style-type: none"> • Organization of yearly medical checkup camp. • Providing equipment to Primary Healthcare Center. 	10	2.5
Total amount in 2nd Year		20	5

Activities & amount to be spent in 3rd Year (Activity will be selected from the given as per requirement of particular village/school)			
Activities for School Adityana Primary School	<ul style="list-style-type: none"> • Support for purchase of furniture for the classroom • Repair & White wash of the school building • Providing meritorious scholarship to students • Support for purchase of Sports equipment and other curricular activities • Renovation/maintenance of sanitation facilities like separate toilet for girls&boys • Renovation & maintenance of Drinking water facilities 	10	2.5
Activities for villages Bakhrala & Beran Village	<ul style="list-style-type: none"> • Organization of yearly medical checkup camp. • Providing equipment to Primary Healthcare Center. 	10	2.5
	<ul style="list-style-type: none"> • Skill development & training program. 	10	-
Total amount in 3rd Year		30	5
Grand Total		70	15

17. Court case details:

Court Case	PP submitted that no court case is involved at present.
------------	---

18. Affidavit/Undertaking details:

Affidavit	<ul style="list-style-type: none"> • Affidavit in compliance of Ministry's OM No.3-50/2017-IA-III dated 30th May 2018 has been submitted.
Undertaking	<ul style="list-style-type: none"> • Undertaking dated 16/09/2021 is submitted that conditions laid down in Terms of Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/67/2015-IA-II (M) dated 14th July, 2020 have been complied with and the data submitted and information provided in the report are factually correct. • Consultant submitted an undertaking that he shall be fully responsible for any mis-leading information mentioned in report of Boricha Limestone Mine.

19. Details of the EMP:

S.No.	Item	Capital Cost (Rs. In Lakhs)	Recurring Cost (Rs. In Lakhs/Annum)
I.	EMP for Pollution Control & Monitoring		
A.	Air Pollution Control & Mitigation		
1	Water Sprinkling arrangements for haulage road and mining area	----	4.0
2	Wet drilling for control of fugitive emission	----	0.25
B.	EMP for Water Quality Management and Monitoring		
1	Septic tank/soak pit for sewage disposal	3.0	---
C.	EMP for Noise and Vibration Management and Monitoring		
1	Providing Ear plugs/muffs to all the workers	1.0	1.0
2	Procurement of Blast Vibration & Noise Level meter	6.0	-
D	Environmental Monitoring		
1	Ambient Air Quality Monitoring, Water Quality Monitoring (Surface water & Ground water), Noise Monitoring & Soil quality monitoring at Mine Site & at 4 other villages quarterly monitoring (20 AAQM + 20 GW + 10 SW + 20 Soil)	----	3.70
II	Green Belt Development (Capital cost includes Sapling Cost, Soil,chain link and Tree guards for avenue plantation. Recurring cost includes fertilizer & maintenance)		
1	Plantation at buffer of 50 m offset from the 1 km line & at the periphery of mine lease area i.e. 3.92 ha with total 5880 saplings of 10 ft.	48.52	3.0
2	Plantation at SBZ area of Tar Road i.e. 1.68 ha with total 2520 saplings	5.5	0.70
3	Plantation in NMZ area i.e. 15.90 ha with 23,850 saplings	52.47	6.0
4	Avenue plantation at village road of 3 km.	3.72	0.50
5	Drip Irrigation System	10.0	0.50
III	Cost for conservation of schedule-1 species as per approved Wildlife Conservation Plan	-	29.5

IV	Budget for addressing Public Hearing Concerns/CER	70	15
V	Occupational Annual Health Checkup including respiratory & hearing parameters	20	9
Total		233.49	73.15

20. Details of project cost and employment:

Particulars	Details
Budget for addressing the Public Hearing issues	Capital Cost: Rs.70 Lakhs Recurring Cost:Rs.15 Lakhs/Annum
Total Cost for EMP	233.49 Lakhs
Recurring Cost for EMP	73.15 Lakhs/Annum
Project Cost	3.91 Crore
Employment	605 persons

21. Observation and Recommendation of the Committee:

The proposal was considered in the 52nd EAC meeting held during 14th - 15th June, 2022. The project proponent submitted an undertaking vide letter dated 14.06.2022 stating that the company has not carried out any mining operations in the mine lease area. During the meeting, the project proponent submitted the revised cost of greenbelt incorporating drip irrigation system, revised cost of public hearing action plan incorporating skill development & training programme and revised cost of avenue plantation from 3.72 lakhs to 6 lakhs and same sent by e-mail dated 14.06.2022. Therefore, after detailed deliberations, the Committee **recommended** the proposal for Environmental Clearance for Boricha Limestone Mine of M/s Saurashtra Chemicals Division of Nirma Ltd in the Mine lease area of 101.17 ha with the production capacity of 7,00,000 TPA (ROM) located at village Boricha, Taluka and District Porbandar, Gujarat with subject to the following specific condition in addition to the general conditions of non-coal mining projects:

- i. The Project Proponent should install the Continuous Ambient Air Quality Monitoring Stations in such numbers as per the scientific study and in consultation with CPCB.
- ii. The project proponent shall monitor water quality with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.
- iii. The budget of Rs 0.70 Cr to address the concerns raised by the public included in the public hearing has to be completed within 3 years from the date of start of mining operations. Project proponent shall comply with all

- action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes.
- iv. The project proponent shall leave the buffer of 50 m offset to the 1 Km boundary of the WLS and declare as non-mining area further, shall develop thick greenbelt with native species.
 - v. No mining activity shall be carried out in the buffer zone and also in the non-mining area declared inside the 1 Km boundary of the WLS.
 - vi. The Project Proponent shall carry out the gap plantation with 10 ft tall seedlings within one year in such a way that the density of the plantation should be uniform and the survival rate should not be less than 95%. Local species should be planted after consultation with local forest officer and as per CPCB/SPCB guidelines. The Project Proponent shall implement the practice of drip irrigation for plantation.
 - vii. The Project Proponent shall strictly follow the mitigation measures provided in MoEF&CC Office Memorandum No. Z-11013/57/2014-IA.II(M), dated 29th October, 2014.
 - viii. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.
 - ix. The Project Proponent should explore the possibility for shifting to clean energy using electric equipment for cleaner production options to reduce the emission generated from various machineries.
 - x. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers.
- 1.7 Terms of Reference (ToR) under the provision of Notification S.O. 1530 (E) dated 06.04.2018 for Lakheri Limestone Mine of M/s ACC Limited in the mine lease area 1516.88 ha with production capacity of 1.5 MTPA and waste / topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH located at Villages Gendoli Kala, Gendoli Khurdh, Pholai, Gutha, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lakheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh, District Bundi, Rajasthan – [File No. J-11015/167/2018-IA.II (M); Proposal No. IA/RJ/MIN/275163/2022] – Reconsideration for Terms of Reference**

The proposal is for under the provision of Notification S.O. 1530 (E) dated 06.04.2018 for Lakheri Limestone Mine of M/s ACC Limited in the mine lease area 1516.88 ha. The proposal is for Limestone production capacity of 1.5 MTPA and waste / topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH. The mine lease area is located at Villages Gendoli Kala, Gendoli Khurdh, Pholai, Gutha, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lakheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh, District Bundi, Rajasthan.

2. Project details:

Location	Latitudes	25°31'54.6" to 25°39'39" N
	Longitudes	75°56'46.4" to 76°15'27.2" E
	SOI Topo sheet No.	45 O/14 & 54 C/2
Company Name	M/s. ACC Ltd.	
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023	
KML file	Submitted	
Seismic zone	Zone II as per IS:1893 (Part -1 :2016)	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a)(3)for Mining of Mineral.
Provisions	EIA Notification dated 14 th September, 2006
Mining lease Area	1516.88 ha

4. Previous Environmental Clearance details:

Previous EC	J.11015/14/2003-IA.II (M) dated 26 th December, 2005 under EIA Notification 1994.
Production capacity	Limestone 1.5millionTPA
Soil	Waste / topsoil 2.137 million TPA
Waste	
Total Excavation	3.637 Million TPA
Crusher	Existing wobbler & screening plant of 400 TPH
Earlier EAC meetings	38 th EAC meeting held on 15.11.2018 20 th EAC meeting held on 21.08.2020 26 th EAC meeting held on 13.01.2021

5. Previous EAC meeting details:

- The proposal was considered for ToR in 38th EAC Meeting held on 15.11.2018 wherein the proposal was deferred due to few shortcomings. Additional Details sought by MoEFCC on 09.01.2019 and reply of ADS was submitted on 16.03.2020. The proposal was again considered in 20th EAC held during 19-21 August, 2020 wherein the committee deferred the proposal as the forest area of 409.88 ha was falling under buffer zone of Ranthambore Tiger Reserve (RTR). The NBWL approved the de-notification of this area in its 45th standing committee meeting held on 04.09.2017. However, de-notification was not published/issued by the Ministry. Additional Details were sought by MoEFCC on 30.08.2020 and 05.09.2020 for which reply was submitted by the project proponent on 11.09.2020 and 06.10.2020 respectively.
- The proposal was again considered in 26th EAC meeting held during 11 -13th January, 2021. After detailed deliberation, the committee noted that the forest area of 409.88 ha falls under buffer zone of Ranthambore Tiger Reserve (RTR). The matter was examined in the Ministry and the Wildlife Division/NTCA. The Ministry sent a letter to the Forest department, Govt of Rajasthan requesting to furnish the action taken report on the recommendations of standing Committee of NBWL for further decision by the Ministry on the instant case. ATR/De-notification order awaited from State Government. Therefore, the committee returned the proposal in present form and was of the view to consider the proposal after receipt of ATR/de-notification order from the State Government of Rajasthan.
- Rajasthan State Government issued de-notification P1 (63)Van/2017 dated 26.05.2022 for identification of forest area of 436.35 ha including the 409.88 ha area land of M/s ACC Limited from buffer zone of Ranthambhore Tiger Reserve (RTR).

6. Lease Details:

As submitted by the project proponent, following are the mine lease details:	
Mine lease details	<ul style="list-style-type: none"> • The mining lease was originally granted by State Govt in 1913 for a period of 30 years for limestone. • First Renewal was granted on 28.07.1943 for 30 Years w.e.f. 01.08.1943 for Limestone • Second renewal was for 20 years w.e.f. 01.08.1973 and after 01.08.1993 it was under deemed renewal upto 31.07.2013.
Validity of mine lease	As per Section 8A (5) of MMDR (Amendment) 2015, Lease period of Mining leases used for captive purpose has been extended upto 31.03.2030 vide order dated 18.02.2015.

Additional information	Lakheri Limestone is having 1516.88 ha area (Lease no. is 4/1972). Out of 1516.88-hectare area, 1107 hectare is non-forest and 409.88 ha is Forest land. Out of 409.88 hectare forest land, 108 hectare was diverted in the year of 1998 and 100 hectare was diverted in the year of 2006. For the balance 201.88 hectare area, ACC Limited applied for the diversion in the year of 2012.
------------------------	--

7. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584(4)(3)(1886)/2021-RCM-Ajmer dated 28.12.2021	
	Date	28.12.2021	
	Validity	2022-23 to 2024-25	
Mining Parameter	Quantitative Description		
Bench Height	6 - 9 m		
Bench Width	15 - 20 m		
Method of Mining	Fully Mechanized Opencast Method		
Individual bench slope	80°		
Overall pit slope	45°		
Drilling/Blasting	Drilling Parameter		
	S. No.	Particular	Details
	1	Height of the bench	9.0 m
	2	Sub grade drilling	0.5 m
	3	Length of stemming column	2.5 m
	4	Length of ANFO Column	3.5 m
	5	Spacing	4.0 m
	6	Burden	3.0 m
	7	Type of Booster	Primer
	8	Type of drill holes	Vertical Holes with 115 mm diameter each
	Blasting Parameter		
	S. No.	Particular	Details
	1	Spacing	4.0 m
	2	Burden	3.0 m
		Depth of Hole	9.5 m
3	Charge per delay	40 –45 kg	
4	Powder Factor (T/kg)	8 tonnes per kg	
RoM output size	500 mm to 800 mm size		

Life of mine	9 years based on current mining plan (Life of mine will be increased after further exploration)
Transportation details	Part of the Limestone raised is being transported to wobbler along with screen / Crusher (Crusher is situated inside the Cement plant boundary); Wobbler & Screening plant is installed & having 400 TPH capacity within the lease area. Process involves Screening & Wobbler activities. Wobbled & screened material/raised limestone is transported to the crusher (situated in cement plant) by Rail/Road/OLBC. Crushed limestone will be supplied to the Cement plant by covered conveyor belt after crusher.
Dumpers capacity	40 to 50 Tonne

8. Land Area Breakup

Private land	645.87
Government land	871.01
Total Mining lease area (MLA)	1516.88 ha
Forest land	409.88 ha
Additional information	Out of 409.88 ha forest land, 108 ha is diverted in the year of 1998 and 100 ha is diverted in the year of 2006. For the balance 201.88 ha area, the project proponent have applied for the diversion in the year of 2012.

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

Particulars	Villages	Directions
Nearest Village	Lease area falls in revenue villages of Gutha, Gendoli Kala, Gendoli Khurdh, Sakhoda, Lakheri, Pholai, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Nayagaon & Papadi in which Villages Gutha, Gendoli Kala, Gendoli Khurdh, Sakhoda, Kankara , Chamaoli, utrana, Budel Lakheri are located within the lease area	
Nearest Town/ City	Kota	~ 42 km in SSW direction
Nearest Highway	SH-29	Passing through the lease area
Nearest Railway Station	Lakheri	~ 4.5 km in East direction
Water Bodies	<ul style="list-style-type: none"> ➤ Kural Nadi ➤ Chambal River ➤ Mez River 	<ul style="list-style-type: none"> ➤ (~4.5 km in SW direction) ➤ (~3.5 km in East direction) ➤ (Passing through within lease area)

10. Water requirement:

Total water requirement	120KLD	Fresh water	120 KLD
		Treated water	0
Source	Mine sump and Ground water		
Permission	CGWA/NOC/MIN/ORIG/2021/13631 dated 3/11/2021		

11. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	Yes	Out of total mining lease area of 1516.88 ha, 409.88 ha forest land is involved in mining lease area. Out of 409.88 ha Forest area, Forest Clearance for 108 ha is obtained on 07-04-1998. Out of the 409.88 ha of forest area, FC obtained on 13-11-2006 for another 100 ha. Application for FC for balance of 201.88 ha submitted in 2012. According to the current statutory requirement, the project proponent has stated that they have paid the NPV for the entire forest area of 409.88 ha and general approval has obtained. ACC Lakheri has obtained the de-notification of above 409.88 Ha on 26.05.2022.
National Park	Yes	There are 2 nos of Sanctuaries, one is "Ramgarh Sanctuary" which is 2.65 Km away and another is "National Ghariyal sanctuary" which is 2.5 Km away. The project proponent has stated that they had been granted permission by the MoEF&CC vide minutes of the 31 st standing committee meeting of NBWL held on 12 th -13 th August 2014. The copy of the letter is still awaited.
Wildlife Sanctuary & Forest	Yes	
Eco Sensitive Zone (ESZ)	Yes	

12. Status of CTE/CTO:

- CTE has been obtained from RSPCB vide letter no F-12(6-14) RPCB/Gr.I/6657 dated 30.12.2005 for production capacity of 1.5 million TPA.
- CTO has been obtained from RSPCB vide order no. F(Mines)/Bundi(Bundi)/1(1)2009-2010/336-340 dated 14.05.2015.

13. Green belt/plantation details:

Proposed area for green belt/plantation	85 ha
---	-------

Budget for green plan & plantation till the end of life of mine	Around 3 Crore
Additional information	Total area 122.96 covered under green belt & plantation
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	17.10

14. Court case details:

Court Case	No court case is pending against the project
------------	--

15. Affidavit/Undertaking details:

Affidavit dated 04.06.2022	Company has submitted an Affidavit to MoEF&CC in accordance with the statutory requirement & judgment of Hon'ble Supreme Court dated 2nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ores.
----------------------------	---

16. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	PP submitted that the Certified EC compliance report will be submitted with EIA/EMP Report.
Certified past production	Authenticated year wise production details since year 1987 has been obtained from office of the Mining Officer, District Kota vide letter dated 13.11.2018 and vide letter dated 08.01.2020.

17. Details of EMP:

Activities	Capital Cost (Rs.In Lakhs)	Recurring (Rs. In Lakhs/Annum)
One CAAQMS	50	10
Permanent Water sprinkling system on haul road	50	10
Water tanked with atomized sprinkling system(15 KL)	50	15
Garland drain/ silt arrester at foot of active dumps	30	5
Green belt development in around working pit including 7.5 meter barrier and fencing	20	15

Environment Monitoring from approved third party	-	10
Total	200	65

18. Details of project cost and employment:

Particulars	Budget
Capital Cost for Environment Protection	2 Crore
Recurring Cost for EMP	Rs. 65 Lakhs/annum
Project Cost	Rs 61.90 Crores /-
Employment	91 persons

21. Observation and Recommendation of the Committee:

The proposal was considered in the 52nd EAC meeting held during 14th - 15th June, 2022. After the detailed presentation given by the project proponent and the consultant, the Committee noted that the proposal was earlier considered for ToR on 15.11.2018 wherein the proposal was deferred due to few shortcomings and during 19-21 August, 2020 wherein the committee deferred the proposal as the forest area of 409.88 ha was falling under buffer zone of Ranthambore Tiger Reserve (RTR) for which NBWL had approved de-notification in its 45th standing committee meeting held on 04.09.2017. However, the de-notification was not published then. The proposal was again considered in during 11 -13th January, 2021 wherein the matter was examined in the Ministry and the Wildlife Division/NTCA. The ministry sent a letter to the Forest Department, Govt of Rajasthan requesting to furnish the action taken report on the recommendations of standing Committee of NBWL for further decision by the Ministry on the instant case.

Further, Rajasthan State Government has issued de-notification P1 (63)Van/2017 dated 26.05.2022 for identification of forest area of 436.35 ha including the 409.88 ha area land of M/s ACC Limited from buffer zone of Ranthambhore Tiger Reserve (RTR).

The project proponent during the meeting presented and same sent by email dated 14.06.2022 assuring that the khasra/plot no. of Rajasthan Govt. de-notification dated 26th May, 2022 of 436.35 Ha. area is completely matching with M/s ACC area i.e 409.88 Ha.

After detailed deliberations, the Committee **recommended** the proposal for Terms of Reference (ToR) under the provision of Notification S.O. 1530 (E) dated 06.04.2018 for Lakheri Limestone Mine of M/s ACC Limited in the mine lease area 1516.88 ha with production capacity of 1.5 MTPA and waste / topsoil 11.25 Lakhs CuM per annum (Maximum) with existing Wobbler and screening plant of 400 TPH located at Villages Gendoli Kala, Gendoli Khurdh, Pholai,

Gutha, Mahuwa, Dangaheri, Budel, Kankra, Chamavali, Uttarana, Lakheri, Sakhoda, Nayagaon & Papadi, Tehsil Indergarh, District Bundi, Rajasthan with subject to the following specific condition in addition to the general conditions of non-coal mining projects:

- i. The Public Hearing had already been conducted on 07.04.2003 for the same scope and at present there is no change in scope. Therefore, as per Ministry's O.M. dated 16.02.2021, the project proponent shall carry out public consultation instead of public hearing and shall address the concerns of the public in the EIA/EMP report. The project proponent shall submit a detailed note on the public concerns raised in the earlier Public Hearing and if any non-compliance, submit the reason for the same during the appraisal for Environmental Clearance.
- ii. The project proponent must validate the EMP and if the concerns of the public are not totally addressed in the EMP, accordingly a budget provision must be made and incorporate in the fresh EIA/EMP report.
- iii. The Project Proponent shall install the Continuous Ambient Air Quality Monitoring Stations in such numbers as per the scientific study and in consultation with CPCB.
- iv. The project proponent shall monitor water quality with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.
- v. 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 by considering all the mining activities.
- vi. The Project Proponent shall carry out the gap plantation with 10 ft tall seedlings within one year in such a way that the density of the plantation should be uniform and the survival rate should not be less than 95%. Local species should be planted after consultation with local forest officer and as per CPCB/SPCB guidelines. The Project Proponent shall implement the practice of drip irrigation for plantation.
- vii. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.
- viii. The Project Proponent should explore the possibility for shifting to clean energy using electric equipment for cleaner production options to reduce the emission generated from various machineries.

- ix. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers.
- x. The Project Proponent shall upload the Affidavit in form 2 as per Ministry's O.M No 3 - 50/2017-IA.II (M) dated 30.05.2018 on PARIVESH portal.
- xi. Since there are two Sanctuaries (Ramgarh Sanctuary and National Ghariyal Sanctuary), the project proponent needs to submit the copy of NBWL clearance.
- xii. Through KML file, it is observed that mining activities have been taken place outside the mine lease area. The project proponent needs to submit the letter stating the exact status for the same duly certified by the DMG.
- xiii. The project proponent needs to submit the chronology of mine lease along with their copy.
- xiv. The project proponent needs to submit the copy of NPV paid for the entire forest area of 409.88 ha.

Day 2: 15th June, 2022 (Wednesday)

2.1 Mahulsukha Iron and Manganese Ore Block of M/s Patnaik Minerals Private Ltd for mining of Iron and Manganese Ore in the mine lease area of 390.317 ha (as per DGPS)/399.838 ha (as per ROR), with proposed production capacity of Iron Ore: Total Excavation: 1.662977 MTPA; ROM: 1.0 MTPA and Manganese Ore: Total Excavation: 1.407519 MTPA; ROM: 0.15 MTPA, located at Villages Randa, Rantha and Bhutuda under Bonai Sub-Division and Lahunipada Tehsil, Sundargarh District, Odisha - Environmental Clearance – reg. [File. No: J-11015/75/2020-IA-II(M), Proposal No: IA/OR/MIN/180360/2020]

1. Project details:

Name of the Project Proponent	M/s Patnaik Minerals Private Ltd	
Location	Village	Randa, Rantha & Bhutuda
	Tehsil/Taluka	Lahunipada
	District	Sundargarh
	State / UT	Odisha
	Latitude	21°46'52.12" to 21°49'04.55"N
	Longitude	85°07'55.43" to 85°09'10.42"E
	Sol Toposheet No.	73/G1
KML file	Project Proponent presented the KML file during the presentation to indicate the location of mine lease on	

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	Google Earth
Seismic zone	III
Accredited Consultant and certificate no.	Kalyani Laboratories Pvt. Ltd. NABET/EIA/2023/SA0149 and accreditation is valid till 02.03.2023

2. The Project Proponent has made an online application vide proposal no: IA/OR/MIN/180360/2020 dated 15.05.2022 and submitted Form 2 and EIA report under the provisions of the EIA Notification, 2006. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.

3. The details of the project as ascertained from the document submitted by the Project Proponent are mentioned below:

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

Date of application	Proposal No/ File No	Consideration	Details	Date of accord
16.11.2005	J-11015/412/ 2005-IA.II(M)	-	Environmental Clearance for Mahulsukha Manganese Ore mining project of M/s Aryan Mining & Trading Corporation Private Ltd for an annual production capacity 40,000 tonnes (0.04 million tonnes) of manganese ore by opencast semi-mechanised method involving mining lease area of 399.838 ha	05.04.2007

ii. The details of the Terms of Reference (ToR) are furnished as below:

Date of application	Proposal No/ File No	Consideration	Details	Date of accord
23.10.2020	IA/OR/MIN/180360/2020 J-11015/75/2020-IA.II(M)	22 nd - 24 th December, 2020	Terms of Reference for proposed production of Iron Ore: Total Excavation: 16,62,977 TPA, ROM: 10,00,000 TPA and Manganese Ore: Total Excavation: 14,07,519 TPA; ROM: 1,50,000 TPA from Mahulsukha Iron and Manganese Ore block over	20.01.2021

			an area of 390.317ha (as per DGPS)/399.838ha (as per ROR) in Villages Randa, Rantha and Bhutuda under Bonai Sub-Division and Lahunipada Tehsil of Sundargarh District, Odisha along with the recommendation made by NEERI in its carrying capacity study for Odisha.	
--	--	--	--	--

iii. Details of Mine lease:

- a. The Project Proponent submitted that the originally Mahulsukha Mining Lease was executed for mining of Manganese Ore since 03.02.1945 for a period of twenty (20) years in favor of M/s Aryan Mining & Trading Corporation Ltd.
- b. The 2nd renewal of mining lease over an area of 399.838 ha granted on 03.02.1985 for further period of twenty (20) years was expired on 03.02.2005.
- c. Then, the Govt. of Odisha, Department of Steel & Mines vide Letter No.IIIB) SM13/2012-3326/S&M, Bhubaneswar, dt.18.04.2015 have extended the validity period of mining lease area under Section 8(A) (6) of the M&M (D&R) Act, 1957 as amended by the MMDR Amendment Act, 2015 from the date of expiry of the last valid period of lease i.e. 03.02.2005 to 31.03.2020 in favor of M/s Aryan Mining & Trading Corporation Ltd.
- d. As per the section 8A (4) of MMDR (Amendment) Act 2015, on the expiry of the lease period, the lease shall be put up for auction. Accordingly, the Govt of Odisha put the Mining Lease for auction. The e-auction process was conducted in accordance with the tender document and the mineral auction rule, 2015 for said block.
- e. The Govt of Odisha vide Lr No.3013/S&M, Bhubaneswar dated 18.03.2020 issued Letter of Intent for grant of mining lease for Mahulsukha Iron and Manganese Ore block over an area of 390.317ha (as per DGPS)/399.838ha (as per ROR) to M/s Patnaik Minerals Pvt. Limited for a period of 50 years.
- f. Thereafter, the Govt of Odisha vide Lr No.4246/IV(B)SM-23/2020/SM dated 30.05.2020 issued vesting order stating that the without prejudice to the generality of the provisions of section 8B(2) of the MMDR Act, 1957, the details of the valid rights, approvals, clearances, licenses, and the like held by the previous lessee are vested in favour of M/s Patnaik Minerals Pvt. Ltd. and the vesting order is valid for a period of two years from the date of execution of lease deed or till the date of getting fresh approvals, clearances, licenses, permits, and the like, whichever is earlier.

- g. On payment of second installment of the upfront payment, submission of the performance security and complying with all other requirements as prescribed under Rule 10, Sub-Rule (3) of the said Rules, Govt of Odisha vide Order No. 5252/IV(B)SM-23/2020/SM dated 24.06.2020 declared M/s Patnaik Minerals Pvt. Ltd as the successful bidder for grant of mining lease.
- h. Subsequently, the Govt of Odisha vide Order No. 5518/IV(B)SM-23/2020/SM dated 29.06.2020 granted mining lease for Iron & Manganese ore in favour of M/s Patnaik Minerals Pvt. Ltd, the successful bidder in respect of Mahulsukha Iron and Manganese Ore block over an area of 390.317 ha (as per DGPS)/399.838ha (as per ROR) for a period of 50 years.
- i. Then, the Mining lease deed was executed on 29.06.2020 vide No. IN-OD01084308552938S for a period of 50 years.

iv. Land Use/Land Cover of the mine lease area:

Forest land	382.437 ha
Private land	1.081 ha
Government land	6.799 ha
Total Mining lease area (MLA)	390.317 ha
Private land for crusher, workshop & other infrastructure outside the MLA	NIL

v. Details of Mine Plan:

- a. The Project Proponent submitted the Approval of Mining plan along with the Progressive Mine Closure Plan approved by Indian Bureau of Mines vide Lr No. MP/A/17-ORI/BHU/2020-21 dated 01.10.2020 for Mahulsukha Iron and Manganese mine over an area of 390.317 ha (as per DGPS)/399.838 ha (as per RoR) for the period 2020-21 to 2024-25.
- b. The fully mechanized opencast method of mining will continue on three shift basis with the deployment of drills, associated compressors, dumpers/tippers, excavators and other auxiliary equipment.
- c. With the present rate of production of life of mine for Manganese ore will be 7 years and for Iron ore it will be 29 years.
- d. The blasted material will be excavated by shovels of 2.1 cu.m – 3.2 cu.m capacity and loaded onto 20 - 35T dumpers for transportation of the ROM, mineral reject and waste. The ROM ore from different mining faces will be transported through dumpers of 20 -35T by road in a pre-determined proportion (for blending different qualities of ore), and delivered to the processing plant. With the enhancement in production the production of Iron ore will be 1.0 MTPA and production of manganese ore will be 0.15 MTPA. So the total production

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

from the mines will be 1.15 MTPA. Out of the total production 80% will be transported by railway siding at Barsuan and 20% will be transported by trucks.

- e. Iron ore (ROM) excavated from the lease area will be sent to outside the lease area to make it different sizes. However, low grade material (below 55% Fe) within the lease area will be processed only by screening within the lease area to make it saleable.
- f. The Static/Mobile Screening unit, capacity 200 MT per hour has been proposed to be installed at the mines to screen the ROM of both Iron and Manganese ores from the quarry.
- g. The Project Proponent reported that during plan period about 8,22,838 cu.m of waste from iron ore zone and 10,58,512 cu.m of waste from manganese ore zone will be generated. It has been planned that about 10% of generation will be utilized for road maintenance and balance waste will be disposed of at earmarked site.
- h. The Project Proponent also reported that the ground level of the mine lease area is 460 mRL and the mining will carry out upto maximum of 474 mRL i.e., 14m above the ground level. The depth of the ground water will be 3m to 8m below the ground level. So, there will be no chance of intersection of the ground water table due to proposed mining activity.

vi. Water requirement:

Total water requirement	84.0 KLD	Fresh water	20 KLD
		Treated water	64 KLD
Source	Bore Well		
Permission	The Project Proponent submitted the No Objection Certificate vide NOC No. CGWA/NOC/MIN/ORIG/2022/15067 which is valid from 09.04.2022 to 08.04.2024 for abstraction of fresh water of 84.0 m ³ /day in favour of M/s Patnaik Minerals Pvt. Ltd.		

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

Particulars	Particular's Name	Distance & Direction
Nearest Village	Bhutuda	0.5 km
Nearest Town	Barsuan	10.0 km
Nearest Highway	NH-215	9.0 km
Nearest Railway Station	Barsuan	12.0 km
Nearest Water Body	Bhutuda Nalla	Inside mine lease area

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

Forest Land / Protected	Yes/No	Details of Certificate/ letter/ Remarks

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Area/ Environmental Sensitivity Zone		
Forest Land	Yes	PP submitted the Stage-II FC granted by MoEF vide F No.8-93/2004-FC dated 18.08.2008 for diversion of 227.0 ha of forest land for 3 rd renewal of Mahulsukha Manganese Ore mines in favour of M/s AMTC Ltd. PP also submitted that the NPV amounting Rs. 27,60,32,250/9 has been deposited on 16.06.2020 for the forest area as per demand notice vide File no: 11-97/2018- FC dated 31.03.2020 of MoEF& CC, GOI & Memo no-6791/F&E dated 07.04.2020 of special secretary to Govt, of Odisha, F&E Dept., Bhubaneswar. PP submitted the application for Stage-I Forest Clearance vide online proposal no: FP/OR/MIN/122038/2021 dated 19.04.2021 for diversion of forest land of 382.437 ha in the name of M/s Patnaik Minerals Pvt. Ltd.
National Park	No	PP submitted the letter from the Office of the Divisional Forest Officer, Bonai Division vide Lr Memo No. 1002/6F-(Mg) dt 01.02.2022 with the authenticated map showing the distance of the project area from National Park, Wildlife Sanctuaries, Tiger/Elephant Reserves and their corridors (existing as well as proposed).
Wildlife Sanctuary	No	
Eco-Sensitive Zone (ESZ)	No	
Schedule-I species	Yes	PP submitted the list of flora and fauna in project area authenticated from the Office of the Divisional Forest Officer, Bonai Division vide Lr Memo No. 1002/6F-(Mg) dt 01.02.2022 wherein it was reported that six Schedule-I species are found in the project area such as Monitor lizard, Sloth Bear, Indian Elephant, Leopard, Indian Python and Common Pea Fowl.
Wildlife Conservation Plan	No	PP submitted that the approval of Wildlife conservation plan for the project is under process.

ix. Green belt/plantation details:

Proposed area for green belt/plantation	74.165 Ha
Budget for green plant & plantation till the end of life of mine.	Rs. 1.0 Lakh/annum
Budget for nursery	Saplings will be procured from forest department nursery

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	43.90 Ha
50 m safety zone of nallah, roads, electric lines	28.50 Ha
500 m safety zones of nearest habitation villages	--
Additional information (if any)	PP submitted that as on 31.03.2022, 1,96,746 no. of saplings over an area of 70.165 Ha in the safety zone has been developed by the previous lessee.

x. Baseline detail:

The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Winter Season i.e., December, 2020 to February, 2021. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Period	December, 2020 to February, 2021				
AAQ parameters at 9 locations	Pollutant	Min, µg/m ³	Max, µg/m ³	98 %ile, µg/m ³	Standard, µg/m ³
	PM2.5	16.7	32.5	32.4	60
	PM10	33.6	69.3	68.9	100
	SO2	4.3	11.5	10.9	80
	NOx	11.7	19.5	18.3	80
AAQ modeling (Incremental GLC) – AERMOD Cloud remote version	Pollutant	Baseline Concentration, µg/m ³	Incremental Concentration, µg/m ³	Total GLC, µg/m ³	Standard
	PM10	68.9	2.5	71.4	100
	PM2.5	32.5	-	32.5	60
	SO2	11.5	-	11.5	80
	NOx	18.3	-	18.3	80
Noise level at 9 locations	Day Time: 30.8 to 55.2 Leq dB (A) Night Time: 24.6 to 43.6 Leq dB (A)				
Ground water quality at 7 locations	PP reported that pH of collected water samples varied from 6.9 – 7.5. Total hardness was found to be in the range 44 - 180 mg/l. Total Dissolved Solids in the water samples ranged from 20-220 mg/l. Chloride ranged between 2-10 mg/l. PP also reported that the ground water of the area is not contaminated by any heavy metal or microbiological contaminants and the water is found to be suitable for human consumption.				
Surface water quality at 9	PP reported that the pH ranged between 7.0-7.45, DO is found to be 6.4-7.5mg/l and BOD is less than 2 mg/l and COD found to be				

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

location	less than 5mg/l. All the parameters analyzed are under the prescribed limit as per IS 2296:1982 as per class C and though the water does not contain any pollutants.
Soil quality at 9 locations	PP reported that pH ranged between (6.1-6.9) neutral to acidic. There is no significant variation in organic carbon content (0.74 to 1.64 %) throughout the project area. These soils are suitable for cultivation of paddy and other crops. In few places soil texture reflects silt loam soil with moderate amount of fine sand and clay; over half of the particles are silt. Soil conductivity is less than 1.0 which is normal for cultivated fields.
Traffic Study	PP reported that the traffic density study was conducted in one traffic points on 12.02.2021 on Cross section of mines road and OMC mines – Barsuan Road. The road is blacktoped road with major traffic contributed by OMC mines. There will be incremental truck load of 20 trucks per hour due to transportation of ore from the lease area to the railway siding at Barsuan and other user agencies. Level of service (LoS) for the road found to be B. The existing infrastructure is sufficient to carry the additional load.

xi. Public Hearing (PH) Details:

Advertisement for PH with date	The “New Sunday Express” and “Dharitri” on 05.09.2021
Date of PH	08.10.2021
Venue	Bhutuda Gram Panchayat Office (1.0 km from mine lease area)
Chaired by	i. Add. District Magistrate, Sundargarh ii. Regional Officer, State Pollution Control Board
Main issues raised during PH	Loss of agriculture, Dust pollution, Water pollution, plantation of fruit bearing trees, restoration of natural stream, check dam, employment, construction of village road, deployment of teachers in village School, Medical facility, Electrification, Drinking water supply, transportation, sports and cultural activity.
Budget proposed for addressing issues raised during PH	Rs 242.50 Lakhs

xii. Public hearing action plan as per MoEF&CC O.M. dated 30/09/2020

Proposed social development activities	Monitorable Physical Targets				Total Budget proposed in Lakhs
	Year 1	Year 2	Year 3	Year 4	

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Employment Generation: Local people to be absorbed as per rule on the basis qualification & experience and as per requirement.	(90% of the total workers (Semi skilled and Unskilled) will be from local villages. At present 158 local people are working in the mines out of 175.	50 nos. of local people will be employed directly or indirectly after the commencement of enhanced production from the lease area.	50 nos. of local people will be employed directly or indirectly after the commencement of enhanced production from the lease area.	---	---
	Moreover, indirect benefit pertaining to infrastructure developments concerning lodging and boarding facilities, temporary rest rooms, Tele-communication facilities Transporting facilities etc. will be gradually commenced and consequently more than 200 people in relation to the above facilities and systems will be benefited.				---
Safeguard of Agricultural land due to deposition of red soil and impact on Stream water due to vehicular movement	Construction of Walk over culvert for people over the nallas so that vehicular movement will be over the culvert & red soil generation will be curbed: (Progress of works are being undertaken.	Repair and Maintenance of Walk over culvert for people over the nallas so that vehicular movement will be stopped and red soil generation will be curbed:	Repair and Maintenance of Walk over culvert for people over the nallas so that vehicular movement will be stopped and red soil generation will be curbed:	Repair and Maintenance of Walk over culvert for people over the nallas so that vehicular movement will be stopped and red soil generation will be curbed:	
Budget	Rs.15,00,000.00	Rs.2,00,000.00	Rs.2,00,000.00	Rs.2,00,000.00	Rs.21.00
Garland drains and Retaining wall along the dump slopes to avoid surface runoff	Garland drain and retaining wall has been already provided along the existing dump slopes.	Construction of garland drain and retaining wall along the new dumps.	Repairing and maintenance will be done	Repairing and maintenance will be done	Included in EMP budget
Road Developments	Construction of village concrete roads from Bhutuda to Randa Villages 2km.) As per the discussion with district administration the road will be constructed through DMF fund. Allocation has been done and road construction will be started shortly		Repair & maintenance of the road	Repair & maintenance of the road	

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	Road construction from Bhutuda to Zero Point. (4 Km) This road previously sanction under PMRY scheme, However after discussion with district administration DMF fund has been allocated and work order has been issued for construction of road.	Repair & maintenance of the road	Repair & maintenance of the road		
Budget	Rs.8.00 lakh	Rs.2.00 lakh	Rs.2.00 lakh	Rs.2.00 lakh	Rs.14.00
Proposed social development activities	Monitorable Physical Targets				Total Budget proposed in Lakhs
	Year 1	Year 2	Year 3	Year 4	
Plantation Programme	Plantation along the road side (Bhutuda to Rantha) 25000m (2500 saplings will be planted)	Plantation along the road side (Bhutuda to Randa) 25000 m (2500 saplings will be planted)	Post Plantation Care	Post Plantation Care	
Budget	Rs. 1,25,000.00	Rs. 1,25,000.00	Rs. 50,000.00	Rs. 50,000.00	Rs. 3.50
Dust Suppression Activities	Water sprinkling along the transporting road from Mines to Zero Point (5 km) with 1 no of 20 KL water sprinkler. (Twice daily)	Water sprinkling along the transporting road from Mines to Zero Point (5 km) with 3 nos. of water tanker engaged of capacity 40 KL (One = 20 KL & Two = 10 KL (Twice daily)	Water sprinkling along the transporting road from Mines to Zero Point (5 km) with 3 nos. of water tanker engaged of capacity 40 KL (One = 20 KL & Two = 10 KL (Twice daily)	Water sprinkling along the transporting road from Mines to Zero Point (5km) with 3 nos. of water tanker engaged of capacity 40 KL (One = 20 KL & Two = 10 KL (Twice daily)	---
Budget	30,00,000.00 (Cost of tanker)	4,00,0000.00 (Recurring cost & Water cost)	4,00,0000.00 (Recurring cost & Water cost)	4,00,0000.00 (Recurring cost & Water cost)	Rs. 42.00
	Water sprinkling with 1 no of 20 KL water sprinkler & 2 nos. of water tanker of	Water sprinkling with 1 no of 20 KL water sprinkler & 2 nos. of water tanker	Water sprinkling with 1 no of 20 KL water sprinkler & 2 nos. of water tanker of capacity 10 KL each within	Water sprinkling with 1 no of 20 KL water sprinkler & 2 nos. of water tanker of	Cost included with EMP cost

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	capacity 10 KL each within the lease area (Continuous process)	of capacity 10 KL each within the lease area (Continuous process)	the lease area (Continuous process)	capacity 10 KL each within the lease area (Continuous process)	
Health care Facility	<p>There is a dispensary set up within the mine lease area having emergency bed and supporting rooms covering with approx. 400sq ft. area, one regular Pharmacist employed and medicines duly provided free of cost.</p> <p>Pharmacist proposed to visit weekly once to Sarkunda and Randa villages with dedicated ambulance van for health check-up and distribution of medicines. Since the dispensary is situated to the closed proximity of the Bhutuda and Rantha villages, people su-motto comes to the dispensary for their periodical health check-up.</p>		Maintenance of the dispensary and recurring cost	Maintenance of the dispensary and recurring cost	
Budget	Rs. 8,00,000.00		Rs. 2,00,000.00	Rs.2,00,000.00	Rs. 12.00
Proposed social development activities	Monitorable Physical Targets				Total Budget proposed in Lakhs
	Year 1	Year 2	Year 3	Year 4	
	Quarterly health camp at Randa, Rantha and Bhutuda village	Quarterly yearly health camp at Kensara, Randa and Rantha village	Quarterly health camp at Bhutuda, Siligura and Rantha village	Quarterly health camp at Bhutuda, Siligura and Rantha village	
Budget	Rs.4,00,000.00	Rs.4,00,000.00	Rs.4,00,000.00	4,00,000.00	Rs. 16.00
	Dedicated vehicle to be used for medical emergency for local people with Vehicle one	Maintenance of the vehicle, Fuel and emergency medicine		---	

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	driver one paramedical staff along with fuel & maintenance expenses				
	15,00,000.00 (Driver and Pharmacist will be under the pay scale of Company)	Recurring cost Rs.2.00 lakh	Recurring cost Rs.2.00 lakh	Recurring cost Rs.2.00 lakh	Rs. 21.00
Formation of village committee	The village committee has been formed in Randa, Rantha and Bhutuda villages. The committee will directly discuss with Head, Environment cell. The environment cell has been already established in the mines. The contact details of Head, Environment division will made available for the public.				---
Pollution Control Measures	All necessary pollution control measures to be installed as per statutory requirement and design criteria	To be monitored by village committee	To be monitored by village committee	To be monitored by village committee	
Drinking water facility	Water pipeline as per the demand has been provided at ten outlet points in Bhutuda villages to avail drinking water to villagers.	2 nos of Tube well will be provided at Randa village	2 nos of Tube well will be provided at Rantha village		
Budget	Rs. 15,00,000.00	Rs.3,00,000.00	Rs.3,00,000.00		Rs. 27.00
Education facility	One teacher will be appointed for imparting higher class of education to the needy and bonafide students 10 nos. from Randa & Bhutuda villages with wi-fi facilities.				
	As per need Education policy, the School & Mass Education Department of Odisha manages about 4 schools in 4 tribal dominated villages (Randa, Rantha, Sarkunda & Bhutuda) where students are	---	---	---	Rs.10.50

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	<p>taught in tribal languages. Total 10 teachers are in place to impart teaching in all four villages.</p> <p>Now efforts are being made to develop a Smart School in village Bhutuda up to 10th standard with laboratories for carrying out research and practical issue. We are in touch with District Administration & committed for providing teachers as and when required.</p>				
Proposed social development activities	Monitorable Physical Targets				Total Budget proposed in Lakhs
	Year 1	Year 2	Year 3	Year 4	
Transportation facility for school students and local people	<p>A bus will be provided for the local people as well as school student for transportation from the villages to Tensa. Necessary arrangement for transportation of school students & local people are being provided by State Govt. (DMF fund) and also by OMC Ltd.</p>	Maintenance and recurring cost for transportation	Maintenance and recurring cost for transportation	Maintenance and recurring cost for transportation	
Budget					
Electricity Supply	<p>1. 7 solar lights has been already installed in Bhutuda village (Road side, Temple and village main road)</p> <p>2. 3 solar lights has been already installed in Randa village</p> <p>3. 3 solar lights has been already installed in Rantha village</p>	3 nos. of solar lights to be installed in Randa Village.	3 nos. of solar lights to be installed in Rantha Village.		
Budget	Rs. 8,00,000.00	Rs.3,50,000.00	Rs.3,50,000.00		Rs. 15.00
Construction of community	Construction of club house of (2400 Sq.ft) in Bhutuda, Randa and Rantha village	Maintenance of the club house	Maintenance		

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Hall				of the club house	
	Construction initiated 30,00,000.00		2,00,000.00	2,00,000.00	Rs. 34.00
Provision of Sports Materials to village clubs	Supply of sporting materials to Bhutuda village	Supply of sporting materials to Randa & Rantha village	Supply of sporting materials to Kensara & Siliguda village		Rs. 2.50
Budget	Rs.50,000.00	Rs.1,00,000.00	Rs.1,00,000.00		
Support to the local tribe for restoration of their rights and preserving cultural heritage.	A market place developed within the mine lease area and the local people pertaining to the Bhutuda panchayat can sell their cow, goat, and other domestic animals along with their agricultural farm products. For infrastructural development:	Recurring cost of maintenance of the market place	Recurring cost of maintenance of the market place	Recurring cost of maintenance of the market place	
Budget	Rs.8,00,000.00	Rs.1,00,000.00	Rs.1,00,000.00	Rs.1,00,000.00	Rs. 11.00
Utilisation of mobile van for PDS rice supply	Vehicle has been provided transportation facilities for the villagers of Randa, Rantha and Surkunda to go to Panchayat office at Bhutuda for collecting PDC ration. Dedicated vehicle for the same along with fuel & maintenance expenses.	Vehicle to be used along with fuel & maintenance expenses	Vehicle to be used along with fuel & maintenance expenses	Vehicle to be used along with fuel & maintenance expenses	
Budget	Rs.10,000.00	Rs.1,00,000.00	Rs.1,00,000.00	Rs.1,00,000.00	Rs. 13.00
					Rs. 242.50

xiii. Details of CTE/CTO, Previous EC Compliance, Past Production details:

Consent to Operate (CTO)	PP submitted the Consent to Operate (CTO) issued by the State Pollution Control Board, Odisha vide Consent Order No:
--------------------------	--

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	5193/IND-I-CON-2254 dated 31.03.2022 for production of 40,000 TPA of Manganese Ore for the period from 01.04.2022 to 31.03.2023.
Certified EC Compliance report	PP submitted the Certified EC compliance report issued by the Integrated Regional Office (IRO), Bhubaneswar vide File No: 101-833/21/EPE/1435 dated 11.11.2021. Site visit was conducted by IRO on 23.10.2021 wherein the IRO observed that in the garland drains, a lot of silt has got accumulated in this rainy season, which need to be desilted soon, to harvest maximum runoff water, which should be utilized in ground water recharge and also water sprinkling on roads, to further minimize spread of fugitive emissions and control air pollution. IRO also observed that the proposed 4 no.s of AAQ stations may be established at the earliest. IRO vide File No. 101-833/21/EPE/1517 dated 26.11.2021 examined the action taken report submitted by the PP vide letter dated 22.11.2021 and found that the above said conditions may be treated as complied and partially complied.

xiv. Rehabilitation & Resettlement (R&R):

R & R details	No R &R is involved in the project area.
---------------	--

xv. Court case details:

Court Case	PP submitted that there is no any Court Cases pending against the project and/or land in which the project is proposed to be set up PP also submitted a declaration that there is no proceedings/cases pending before any court/Tribunal/Authorities with respect to the project Mahulsukha Iron & Manganese Ore Mines of M/s Patnaik Minerals (P) Ltd.
------------	--

xvi. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	PP submitted the Affidavit in a non-judicial stamp paper of Rs 10.0 bearing no S0AA 711583 dated 23.11.2020 that the company will comply with all the statutory requirements and judgement of Hon'ble Supreme Court dated 02.08.2017 in Writ Petition (Civil) no. of 114 of 2014 in the matter of Common cause vs Union of India and Ors.
Project Proponent submitted an Undertaking	PP submitted an undertaking stating that the <i>"in line with MoEF OM no. J-11013/41/2006-IA.II(I) dated 5th October 2011, we hereby give our undertaking for</i>

	<i>owning the content and information provided in the EIA/EMP report submitted for Environment Clearance for Mahulsukha Iron and Manganese Ore Block over an area of 390.317 Ha in village Randa, Rantha and Bhutuda under Bonai Sub-Division and Lahunipada Tahasil of Sundergarh District, Odisha”.</i>
Consultant submitted an Undertaking	The Consultant submitted an undertaking that ‘in line with MoEF OM no. J-11013/41/2006-IA.II(I) dated 4 th August, 2009, we hereby confirm that Terms of Reference issued by EAC, New Delhi vide MoEF&CC, New Delhi vide Lr No. J-11015/75/2020.IA.II(M) dated 20.01.2021 for preparation of EIA/EMP report of Mahulsukha Iron and Manganese Ore Block over an area of 390.317 Ha in village Randa, Rantha and Bhutuda under Bonai Sub-Division and Lahunipada Tahasil of Sundergarh District, Odisha has been complied with and data provided in the EIA/EMP report is factually correct”.
Plagiarism Certificate certified on 05.05.2022	The Head of the Accredited Consultant Organization/ Authorized person certified that FEIA Report has been evaluated using online/inhouse software viz., https://smallseotools.com/plagiarism-checker/ . The report produced has been analyzed by the system and based on it, I certify that the EIA report produced in accordance with good scientific practice.

xvii. Details of the EMP:

Sl. No	Activities	Capital Cost (INR)	Recurring Cost (INR)/ Annum
1.	Air Environment		
a.	Installation of Fixed water sprinklers along the haul road (20m gap for 3 Km) 150 nos sprinklers	30.00 Lakh	04.00 Lakh
b.	Fixed Water sprinkler near the dump and quarry area (100 nos)	15.00 Lakh	05.00 Lakh
c.	Water pipeline with pumping sytem	05.00 Lakh	01.00 Lakh
d.	Mobile water tanker for water sprinkling on the transportation road	20.00 Lakh	05.00 Lakh
2.	Water Environment		
a.	Construction of Garland drain	10.00 lakh	1.00 Lakh

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

b.	Construction of Retaining wall	12.00 Lakh	1.00 Lakh
c.	Construction of Settling Pond	08.00 Lakh	1.00 Lakh
d.	Rain water harvesting Pond	06.00 Lakh	00.50 Lakh
e.	STP	12.00 Lakh	03.00 Lakh
3.	Noise Environment		
a.	Enclosure for DG set	1.50 Lakh	00. 60 Lakh
4.	Environmental monitoring programme	10.00 Lakh	5.00 Lakh
5.	Green Belt development (Plantation)	2.00 Lakh	01.00 Lakh
6.	Occupational Health		
a.	Occupational health checkup (IME & PME)	4.00 Lakh	00.50 Lakh
b.	PPE kits for Workers (150 sets)	3.0 Lakh	1.00 Lakh
Total		138.5	29.5 Lakhs
7.	Cost for Wildlife Management Plan	515.00 Lakh	170.00 Lakh

xviii. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	1.38
Budget for addressing the Public Hearing issues	2.42
Total Cost for EMP	3.8
Recurring Cost for EMP	0.3
Project Cost	20.0
Employment	304 persons

4. The EAC after detailed deliberations made by the Project Proponent and the Consultant, noted that the instant proposal is an auctioned mine vested from M/s Aryan Mining Trading Corporation Ltd to M/s Patnaik Minerals Private Ltd. The EAC also noted that the vesting order issued by the Govt of Odisha vide Lr No.4246/IV(B)SM-23/2020/SM dated 30.05.2020 stating that the without prejudice to the generality of the provisions of section 8B(2) of the MMDR Act, 1957, the details of the valid rights, approvals, clearances, licenses, and the like held by the previous lessee are vested in favour of M/s Patnaik Minerals Pvt. Ltd. and the vesting order is valid for a period of two years from the date of execution of lease deed or till the date of getting fresh approvals, clearances, licenses, permits, and the like, whichever is earlier. Accordingly, the Project Proponent executed the mine lease deed on 29.06.2020 and the vesting order is valid till 28.06.2022.

The EAC observed that the Project Proponent obtained Terms of Reference (TOR) on 20.01.2021 and baseline data was collected during December, 2020 to February, 2021 i.e., Winter Season even before grant of ToR and Public Hearing was conducted on 08.10.2021. The EAC also observed that the Project Proponent took 480 days (1 year and 3 months) to submit the application for grant of EC from the date of grant of ToR. The EAC was disappointed with the Project Proponent for making such huge delay.

The EAC on viewing the KML file noted that the water bodies and road are found passing within the mine lease area. PP informed the EAC that the Bhutuda nala flows within the lease area and a public road is also passing through the mine lease area which is being used for transportation purpose. The EAC asked the PP about the measures taken for protection of nallah/stream and public road. PP informed that the no protection plan has been prepared and only safety distances are left as per the mines act and rules. The EAC also noted that the dumps are located near the nallah/stream which may lead to pollution of stream. The EAC advised the PP to explore the possibility of using a dedicated road for the purpose of transportation.

The EAC observed that the previous lessee (M/s Aryan Mining Trading Corporation Ltd) obtained EC on 05.04.2007 for production of 0.04 million tonnes of manganese ore over an area of 399.838 ha and now the PP (M/s Patnaik Minerals Private Ltd) intends to obtain EC for expansion of manganese production and inclusion of Iron Ore as new product. Further, the EAC noted that the PP has not submitted the production details duly authenticated by the Department of Mines and Geology. The EAC also noted that the PP has not compiled the Specific Terms of Reference (ii) w.r.t Compliance of mining plan, including waste and OB dump management, mine closure plan etc., Compliance to Common cause judgment, Status of R&R, Compliance of plantation, Compliance of public hearing issues and Status of complaints/ court cases/legal action.

The EAC was of the view that the Project Proponent has carried out the air quality modeling for 98 Percentile Value only for parameter PM₁₀ and not for the worst case scenario and other parameters such as PM_{2.5}, SO₂ and NO_x. The EAC also noted that the air quality modeling has been carried out for normative production only.

The EAC noted that at the time of TOR, PP applied for diversion of forest land over an area of 370.571 ha vide proposal no: FP/OR/MIN/51823/2020 dated 23.10.2020 and at the time of EC, PP applied for diversion of forest land of 382.437 ha vide proposal no: FP/OR/MIN/122038/2021 dated 19.04.2021 in the name of M/s Patnaik Minerals Pvt. Ltd which is contradictory. However, PP didn't obtain any amendment in Terms of Reference for change in land use pattern granted by Ministry.

The EAC observed that the PP reported that there are six Schedule-I species found in the project area such as Monitor lizard, Sloth Bear, Indian Elephant, Leopard, Indian Python and Common Pea Fowl as per Divisional Forest Officer, Bonai Division vide Lr Memo No. 1002/6F-(Mg) dt 01.02.2022. The EAC noted that the PP has not submitted the Proof of submission of application for approval of Wildlife Conservation Plan to the Chief Wildlife Warden and also PP has not submitted the authenticated as per as Divisional Forest Officer letter dated 01.02.2022.

Thus, the EAC was of the view that the Consultant were not able to bring out the technical details, observed to be unprepared and the performance of the consultant was not satisfactory and further the EAC asked the Consultant to revise the technical presentation. Based on the above discussions and detailed deliberations, the EAC **deferred** the proposal for want of following additional information: -

- i. As committed by the Project Proponent, mining operation shall be stopped if the validity of the vesting order is not extended beyond 28.06.2022 (executed the mine lease deed on 29.06.2020) since EC/CTO has not been obtained within the stipulated 2 years timeline.
- ii. The Project Proponent needs to comply the Specific Terms of Reference (ii) w.r.t Compliance of mining plan, including waste and OB dump management, mine closure plan etc., Compliance to Common cause judgment, Status of R&R, Compliance of plantation, Compliance of public hearing issues and Status of complaints/ court cases/legal action.
- iii. The EAC observed that the two perennial nalahs flow from the eastern part and Rajabasa nalah flow from the SW part of the lease area. These perennial nalahs merge to form the Bhutuda nalah which flows within the mine lease area and drains into Kurarhi nalah in the north part outside ML area. Hence, the Project Proponent needs to submit the nalah protection plan for two perennial nalah, Bhutuda nalah flowing within the lease area and Kurarhi nalah in the north (outside) of mine lease area. PP shall also submit the detailed measures taken to prevent the chance of surface runoff from the quarry and dump area which flow down to the nalah flowing within the lease area as the mining activity in the lease area may lead to blockage of flow of water in the lease area. PP shall ensure that the dumps should be 300m away from nalah and needs to submit the action plan for monitoring of surface water quality in the above said nalahs.

- iv. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for peak total excavation for assessing air and noise pollution.
- v. The Project Proponent needs to carry out the air quality modeling for the worst-case scenario for parameters such as PM₁₀, PM_{2.5}, SO₂ and NO_x. PP should indicate the peak capacity considered for predication of air quality modeling for point source, area source and line source all along the 12 km on either side of the road up to 100 m. The impact from the center line of the road on either side should be clearly brought out supported with the line source modeling and isopleths. The control case and worst-case scenario needs to be demonstrated with controlling factor and GLCs values for all the pollutants needs to be clearly mentioned. The input parameters used for the modeling also needs to be submitted. PP also needs to provide the comparative of the emission rates using USEPA and Indian School of Mines.
- vi. The Project Proponent shall submit the action plan for installing Continuous Ambient Air Quality Monitoring Stations (CAAQMS) with proper justification of site selection.
- vii. The Project Proponent needs to submit the mining strategy over a period of life of mine for Iron and Manganese with 5-year stage plan. PP should submit the sequential plan for accessing Iron and Manganese Ore and progressive mine closure plan. PP needs to submit the production schedule for Iron and Manganese Ore in a single table for entire life of mine. The EAC advised the Project Proponent to submit the breakup of total excavation of all parameters in same unit.
- viii. The Project Proponent needs to clarify why the two different Forest Clearance proposals has been submitted vide proposal no: FP/OR/MIN/51823/2020 dated 23.10.2020 over an area of 370.571 ha at the time of TOR and at the time of EC for diversion of forest land of 382.437 ha vide proposal no: FP/OR/MIN/122038/2021 dated 19.04.2021. PP also needs to clarify what is the actual forest land and why the PP has not taken amendment in ToR for change in land use pattern and also the reason for increase in forest land with the supporting documents. Further, PP needs to submit the status of Transfer of FC as per letter dated 27.08.2021.
- ix. The Project Proponent needs to explore the possibility of using a dedicated road bypassing the village road for the purpose of transportation of mineral.

PP shall also submit the measures taken for protection of existing public road passing through the mine lease area.

- x. The Project Proponent needs to submit the map demarcating the safety zone, location of dumps, mineralized and non-mineralized zone and other surface features in the vicinity of the mine lease area. PP also needs to submit the details of the already broken up area and the area to be broken up in the forest land.
- xi. The Project Proponent needs to submit the action plan for carrying out peripheral plantation, safety zone plantation, avenue plantation, gap plantation and plantation of fruit bearing trees. PP needs to submit the detailed greenbelt/plantation plan in tabular format (year wise for entire life of mine) with proper time bound capital and recurring cost.
- xii. The Project Proponent needs to revise the EMP budget and shall submit the action plan for implementing EMP. The Project Proponent needs to revisit the action plan for public hearing with a timeline of 3 years. PP also needs to submit the action plan for partial compliances/being compiled as identified by Ministry's Integrated Regional Office along with the timeline and budget.
- xiii. The Project Proponent shall make a Memorandum of Understanding (MoU) with the concerned private railway siding for the purpose of transportation of mineral.
- xiv. The Project Proponent needs to submit the action plan for employing qualified persons in Environment Management Cell along with the procedure for eligible criteria, announcement of vacancy, shortlisting criteria, interview procedures, timeline of appointment and scope of work assigned.
- xv. The Project Proponent needs to submit the map authenticated by PCCF showing the distance of nearest of National Park/Sanctuary, Biosphere Reserve/Tiger Reserve/ Elephant Reserve/any other Reserve, Habitat for migratory birds, Elephant Corridor for animals within 10 km from the periphery of the mine lease area. PP also needs to submit the proof of submission of application of Wildlife Conservation Plan to the Chief Wildlife Warden.
- xvi. The Project Proponent needs to submit all the analysis/testing reports of water, air, soil, noise, etc. using the MoEF&CC/NABL accredited laboratories as per S.No 14 (c) of TOR letter dated 20.01.2021.

2.2 Parasakti Limestone mine of M/s. Parasakti Cement Industries Limited for mining of Limestone for (a) Regularization of ML-I: 180.09 Ha for violation; (b) Amalgamation of ML-I (180.09 Ha) and ML-II (132.27 Ha) to 312.36 Ha and (c) Expansion of Limestone Production from 2.00 to 2.25 MTPA with Total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189 MTPA) with increase in amalgamated mining lease area from 312.36 to 317.782 Ha, located at Jettipalem Village, Rentachintala Mandal, Guntur District, Andhra Pradesh - Terms of Reference (Violation)[File No: J-11015/570/2007-IA.II(M), Proposal No: IA/AP/MIN/ 274304/2022], Consultant: B.S. Envi – Tech Pvt. Ltd]

The proposal of M/s Parasakti Cement Industries Limited is for mining of Limestone in Parasakti Limestone mine for (a) Regularization of ML-I: 180.09 Ha for violation; (b) Amalgamation of ML-I (180.09 Ha) and ML-II (132.27 Ha) to 312.36 Ha and (c) Expansion of Limestone Production from 2.00 to 2.25 MTPA with Total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189 MTPA) with increase in amalgamated mining lease area from 312.36 to 317.782 Ha, located at Jettipalem Village, Rentachintala Mandal, Guntur District, Andhra Pradesh. The mine lease area is located between Latitude 16°35'36.5"N -16°37'40.7"N and Longitude 79°30'19.8"E - 79°30'42.6"E. The mine lease area falls under the Survey of India Toposheet No: 56/P/10 & 56/P/6 and falls in Seismic Zone – II. The Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth

2. The Project Proponent earlier submitted the proposal for Terms of Reference vide proposal no: IA/AP/MIN/229224/2021 dated 15.09.2021 for expansion of Parasakti Limestone Mine-1 (Area 180.09ha) with increase of limestone production from 1.80 MTPA to 2.25 MTPA with total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189ha) and increase in Mine lease area from 180.09 Ha. to 317.782 Ha (Amalgamated Mining Lease of ML 1: 180.09ha + ML 2: 137.693ha) and the proposal was considered in the 38th EAC (Non-Coal) meeting held during 29th – 30th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the PP initially obtained EC for ML-I 180.89ha for 0.465 MTPA under EIA Notification, 1994 in favour of M/s Chola Cements Ltd, which was transferred from M/s Chola Cements Ltd to M/s Parasakti Cement Industries Limited on 03.02.2004. Then, PP obtained EC for Expansion in Limestone production from 0.45 MTPA to 1.80 MTPA for ML I-180.09ha dated 13.09.2007 under EIA Notification, 2006. EC for Limestone production of 0.20 MTPA for Limestone mine for ML II-132.27ha dated 11.09.2007 under EIA Notification, 2006. PP submitted that the both the mine lease ML- I and ML-II over an area of 317.90ha was amalgamated on 21.07.2009. The Committee felt that during the amalgamation of mining leases, PP was required to obtain amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The

Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes and PP also obtained the EC dated 13.09.2007 for expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I) and after obtaining the EC dated 13.09.2007, the production is within the EC limit. Thus, the Committee was of the view that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 in W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. The Committee felt that the instant proposal cannot be considered in present form and PP should obtain necessary amendment in EC for amalgamation of mining leases. Therefore, the Committee was of the view that Ministry should take action against the Project Proponent for violation and returned the proposal in present form.

3. In view of the above, the Project Proponent applied for amendment in Environmental Clearance vide online proposal no: IA/AP/MIN/233751/2021 dated 12.10.2021 and submitted Form 4 for amendment in EC under the provisions of the EIA Notification, 2006 and the proposal was considered in the 40th EAC (Non-Coal Mining) meeting held during 26th – 27th October, 2021. During the meeting, the Committee noted that PP amalgamated both the mine lease ML- I and ML-II over an area of 317.90ha on 21.07.2009 and during the amalgamation of mining leases, PP was required to obtain Amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes. Hence, the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. The Ministry issued SOP dated 07.07.2021 for identification and handling of violation cases under EIA, 2006 and the same has been stayed by the Madurai bench of Hon'ble High Court of Madras vide order dated 15.07.2021. Therefore, the Committee returned the proposal in present form and was of the view that PP should approach Ministry after the final adjudication of the Hon'ble High Court.

4. The Project Proponent again applied for Terms of Reference vide online proposal no: IA/AP/MIN/258064/2022 dated 26.02.2022 and submitted Form1 and PFR under the provisions of the EIA Notification, 2006 and the proposal was considered in the 48th EAC (Non-Coal Mining) meeting held during 28th-30th March, 2022. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that initially, PP applied for Terms of Reference vide proposal no: IA/AP/MIN/229224/2021 dated 15.09.2021 and was considered in the 38th EAC (Non-Coal) meeting held during 29th – 30th September, 2021 wherein the Committee felt that

the instant proposal cannot be considered in present form and PP should obtain necessary amendment in EC for amalgamation of mining leases and therefore the Committee returned the proposal in present form. The Committee also noted that the PP has again applied for Terms of Reference (Expansion) on 26.02.2022 without obtaining necessary amendment in EC for amalgamation of mining leases. The Committee was of the view that the both the proposals i.e., amendment in EC for amalgamation of mining leases and Terms of Reference for Expansion should be placed before the Committee to take appropriate decision and also to save time and the same was agreed by the Project Proponent and the Committee requested the PP to submit both the application complete in all respect. The Committee again reiterated the view taken on earlier EAC meeting held during 29th – 30th September, 2021 and 26th – 27th October, 2021 with respect to violation and the Committee noted that the PP amalgamated both the mine lease ML- I and ML-II over an area of 317.90ha on 21.07.2009 and during the amalgamation of mining leases, PP was required to obtain amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes. Hence, the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. Therefore, the Committee ask the Ministry to take appropriate action under the provisions of section 19 of the Environment (Protection) Act, 1986 and the Committee returned the proposal in present form.

5. The Project Proponent again made an online application vide proposal no: IA/AP/MIN/265397/2022 dated 01.04.2022 and submitted Form 4 under the provisions of EIA Notification, 2006 and the proposal was considered in the 49th EAC (Non Coal Mining) meeting held during 19th-21st April, 2022. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the PP obtained EC for Expansion in Limestone production from 0.45 MTPA to 1.80 MTPA for ML I- 180.09 ha on 13.09.2007 and EC for Limestone production of 0.20 MTPA for Limestone mine for ML II-132.27 ha on 11.09.2007 under EIA Notification, 2006 respectively. PP submitted that the both the mine lease ML- I and ML-II was amalgamated on 21.07.2009 over an area of 317.90ha. The Committee felt that during the amalgamation of mining leases, PP was required to obtain amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes and PP also obtained the EC dated 13.09.2007 for expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I) and after obtaining the EC dated 13.09.2007, the production

is within the EC limit. The Committee also noted that the Rajiv Gandhi Wildlife Sanctuary (Boundary of Tumurukota RF) is located at a distance of 4.2 Km, SW from the mine lease area and PP has been operating the mines from the year 2005-06 and in EC dated 11.09.2007 and 13.09.2007 it has been specifically mentioned that the '*Environmental Clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority*' whereas the PP obtained Wildlife clearance from NBWL vide letter no. 36338/2007-WL1 dated 09.02.2010 and letter no. 36338/2007/WL-1 dated 11.02.2011. Final Notification declaring Eco Sensitive Zone around Rajiv Gandhi National Park was published vide Ministry's Notification S.O. 1563(E) dated 15.05.2017 and the extent of Eco-sensitive Zone is 500 Metres all around the boundary of Rajiv Gandhi National Park. The Committee was of the view that the PP has been operating the quarry without obtaining Wildlife Clearance from the year 2005-06 to 2009-10. Thus, the Committee was of the view that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 in W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. The Committee opined that since ML I-180.09 ha is under violation, PP needs to regularize ML I-180.09 ha first and the Committee asked the PP to apply a fresh ToR for regularization of ML I-180.09 ha for violation, to permit amalgamation of ML-I & ML-II, to increase in production capacity as well as mine lease area. Hence, the Committee not accepted the request of the project proponent for amendment in environmental clearance and returned the proposal in present form.

6. In view of the above, the project proponent applied for Terms of Reference (ToR) for regularization under violation vide online proposal no: IA/AP/MIN/274304/2022 dated 23.05.2022 under the provisions of EIA Notification, 2006. 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 250 ha and appraised at the Central level.

7. The details of the project as ascertained from the document submitted by the Project Proponent are mentioned below:

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

Date of application	Proposal No/ File No	Consideration	Details	Date of accord
14.03.2002	IA/AP/MIN/ 23070/1910 J-11015/4/ 2002- IA.II(M)	-	EC in favor of M/s Chola Cements Ltd to produce 0.465 million TPA of Limestone in the mine lease area of 180.89ha under EIA Notification, 1994	20.03.2003

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

03.01.2004	J-11015/4/ 2002-IA.II (M)	-	Transfer of EC from M/s Chola Cements Ltd to M/s Prasakti Cement Industries Limited	03.02.2004
30.05.2007	IA/AP/MIN/ 21287/1910 J-11015/ 570/2007- IA.II(M)	-	Expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I - 180.09 ha)	13.09.2007
30.05.2007	IA/AP/MIN/ 21288/1910 J-11015/ 571/2007- IA.II(M)		Limestone production of 0.20 MTPA for Limestone mine (ML II - 132.27 ha)	11.09.2007

ii. Details of mine lease:

S. No	Particulars	ML- I	ML-II	Amalgamation of ML-I & ML-II
1	Grant of mine lease	G.O Ms No. 587 Industries & Commerce (M.II) Department in favour of M/s Chola Cement Industries Limited	G.O Ms No. 159 in favour of M/s Parasakti Cement Industries Limited	G.O Ms No. 180 in favour of M/s Parasakti Cement Industries Limited
2	Date of the grant	06.12.2001	21.06.2007	21.07.2009
3	Name of the Mineral	Limestone	Limestone	Limestone
4	Period of grant	30 years	30 years	Co-terminus with that of the first lease i.e., up to 12.12.2031
5	Granted by	Govt. of Andhra Pradesh	Govt. of Andhra Pradesh	Govt. of Andhra Pradesh
6	Mine lease area in Ha	180.089	137.693	317.90
7	Permission for change of name from M/s Chola Cement Industries Limited to M/s	Govt. of Andhra Pradesh vide its G.O. Ms No 1 dated 01.01.2004	-	-

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	Parasakti Cement Industries Limited			
8	Proceedings No	No. 5050/M/2001 dated 15.12.2001 for a period of 30 years (13.12.2001 to 12.12.2031)	No. 3478/M/2005 dated 10.04.2008 for a period of 30 years (11.10.2007 to 10.10.2037)	No. 4551/M/2009 dated 27.07.2010 (23.07.2010 to 12.12.2031)
9	Extension of Mining Lease	-	-	G.O.MS No. 172 dated 04.12.2017 for a period of 50 years up to 12.12.2051 over an extent of 317.90ha
10	Details of Lease Deed execution	Lease deed executed on 13.12.2001 for the term of 30 years (13.12.2001 to 12.12.2031)	Lease deed executed on 11.10.2007 vide Affidavit bearing no: F 712399 dated 11.10.2007 (11.10.2007 to 10.10.2037)	Lease deed executed on 23.07.2010 vide Affidavit bearing no: AM 291672 dated 23.07.2010 (23.07.2010 to 12.12.2031)

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

S. No	Particulars	Patta land	Govt land	Total
1	ML- I	139.531 Ha	40.558 Ha	180.089 Ha
2	ML-II	137.693 Ha	Nil	137.693 Ha
	Amalgamated lease	277.224 Ha	40.558 Ha	317.782 Ha

iv. Details of Mine Plan:

Review of Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines	Letter No.	Letter No. AP/ GNR/MPLst-53/ Hyd
	Date	08.01.2020
	Validity	2020-21 to 2024-25
	Mineral	Limestone
	Mine lease area	317.782 ha
Mining Parameters	Quantitative Description	
Method of Mining	Fully mechanized opencast mining method.	
Mineable reserves	84.14 Million Tonnes	
Life of mine	37 years	
Bench Height	7.0m	

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Bench Width	Not less than 30 m
Individual bench slope	45°
Overall pit slope	60°
Drilling/Blasting	Deep hole drilling & blasting and use of HEMM with Excavator & Dumper combination.
RoM output size	Output size is -75mm
Transportation details	Limestone produced from the mine is transported to the crusher located at a distance of 1.5 km from the working pit just outside lease area at Cement Plant and Limestone is transported to the crusher by 35 tonner dumpers and further sent to plant by conveyor to the plant which is adjacent.
Dumper's capacity	35 MT
Topsoil and OB/IB/SB	PP reported that the Topsoil generation for the lease period is estimated to be about 0.13 million m ³ . Soil generated will be spread in the 7.5m buffer zone and safety barriers for roads and power lines. The year wise details of OB/IB/SB generation for the lease period is estimated to be about 0.824 million m ³ . The overburden will be temporarily stacked within the mining lease area and ultimately it is totally consumed for plantation.
Waste	PP reported that there is no waste generation from the mining lease area.

v. Water requirement:

Total water requirement	Existing water requirement: 90 m ³ /day	Fresh water	-
	Proposed water requirement: 150 m ³ /day	Treated water	-
Source	Mine pit		
Permission	Not Applicable		

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

Particulars	Details	Distance & Direction
Nearest Village	Jettipalem	0.3 km, SW
Nearest town	Rentachintala	6.0 km, SE
Nearest Highway	State Highway (SH-2) connecting Macherla - Dachepalli	5.5 km, SSE
Nearest Railway station	Rentachintala	7.3 km, SE
Nearest water bodies	Goli Vagu	0.6 km, ESE
	Nagarjuna Sagar Tailpond	0.7 km, NW
	Krishna River	0.7 km, N
Interstate Boundary	Andhra Pradesh - Telangana	km, N

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

The Project Proponent reported that total mine lease area is 317.782ha, out of which 277.224ha is Private land and 40.558ha is Government land and there is no forest land involved in the mine lease area. PP also reported that the following Reserve Forests such as Goli RF – Adjacent, E, Adavadevalpalli RF – 1.6 km, N, Tummurukota RF – 3.2 km, SW and Malkacharla RF – 3.2 km, WNW are found within 10km radius of the study area. Further, PP reported that Rajiv Gandhi Wild Life Sanctuary (Boundary of Tumurukota RF) is located at a distance of 4.2 Km, SW from the mine lease area. PP obtained Wildlife clearance from NBWL vide letter no. 36338/2007-WL1 dated 09.02.2010 and letter no. 36338/2007/WL-1 dated 11.02.2011. The Project Proponent submitted the Wild life Conservation plan for conservation measures for protection of Flora and Fauna in the core and buffer zones of Rajiv Gandhi Wild Life sanctuary was approved by PCCF vide letter no 38338/2007-WL1 dated 28.05.2008. PP deposited Rs 39 Lakhs to the Divisional Forest Office, Wild Life Management, Nagarjuna Sagar for implementing the plan which includes Rs 24 Lakhs for implementing the plan for afforestation scheme, fodder development and soil moisture conservation works and Rs 15 Lakhs for preferential treatment, aided natural regeneration, pasture plots, SMC works, fire protection works and saucer pits.

viii. Green belt/plantation details:

Proposed area for green belt/plantation	38.363 Ha during the lease period
Budget for green plant & plantation till the end of life of mine.	Rs. 30 Lakhs for Capital, Rs. 3 Lakhs for Recurring cost/annum
Budget for nursery	Already existing
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	9.293 Ha.
50 m safety zone of nallah, roads, electric lines	29.071 Ha.
500 m safety zones of nearest habitation villages	Not Applicable

ix. Details of CTE/CTO, Certified EC Compliance report:

The Project Proponent submitted the EC compliance report certified by Integrated Regional Office, MoEFCC, Vijayawada, vide Letter No: IRO/VIJ/EPE/03-01/2021 dated 29.04.2021 for both ML I-180.09ha and ML II- 132.27ha. PP also submitted the Consent for Operation (CFO) issued by the Andhra Pradesh State Pollution Control Board vide Order No: APPCB/VJA/GNT/25379/CFO/ HO/2020 dated 09/07/2020 that the Board issued Consent for Mining Division vide Order No. APPCB/VJA/GNT/25379/ CFO/HO/2015-3579, Dt.22.08.2015 and CFO Amendment Order APPCB/VJA/GTR/ 25379/CFO/HO/2018, Dt.08.05.2018, both are valid up to 31.10.2020. The same orders of Mining Division are hereby renewed for a period of

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

5 (FIVE) years i.e., up to 31.10.2025 for production of 1.8 MTPA [ML I, 180.09ha – 1.6 MTPA and ML II, 132.27ha – 0.2 MTPA].

x. Details of Past Production:

The Project Proponent submitted the past production details certified by Dept of Mines and Geology vide Letter No. 4551/M/2009, dated 09.12.2020 for the period 2007-08 to 2020-21 and Letter No. 4551/M/2009, dated 22.09.2021 for the period 2005-06 and 2006-07 for ML-I area 180.09 ha. Based on the past production details submitted by PP, it was observed that the PP has exceeded the EC (granted on 20.03.2003) capacity in the year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes and further PP obtained the EC on 13.09.2007 for expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I) and after obtaining the EC dated 13.09.2007, the production is within the EC limit. PP also submitted that mining operations was not commenced in ML-II, 132.27 ha. Further, PP submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing CV 473423 dated 08.06.2021 that M/s Parasakti Cement Industries Limited shall comply with all the statutory requirements & judgment of Hon'ble Supreme Court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.

S. No	Financial Year	Production (In MT)	EC Capacity (MTPA)
1	2005-06	2,73,000.00	1.80
2	2006-07	6,41,696.64	1.80
3	2007-08	6,95,891	1.80
4	2008-09	7,25,000	1.80
5	2009-10	14,85,000	1.80
6	2010-11	12,25,000	1.80
7	2011-12	13,63,910	1.80
8	2012-13	12,59,082	1.80
9	2013-14	10,61,870	1.80
10	2014-15	10,73,996	1.80
11	2015-16	10,41,621	1.80
12	2016-17	10,38,999	1.80
13	2017-18	11,59,606	1.80
14	2018-19	15,11,389	1.80
15	2019-20	9,67,944	1.80
16	2020-21 (upto September, 2020)	4,03,244	1.80

xi. Point-Wise Compliance to SoP dated 7th July, 2021

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

Step	SOP dated 07.07.2021			Compliance of SOP dated 07.07.2021
1	S. No	Status of EC	Actions	Order to revert the activity/ production to permissible limits
	1	If no prior EC has been taken	Order to close its operation	
	2	If prior EC is available for existing/old unit	Order to revert the activity/ production to permissible limits	
	3	If prior EC was not required for earlier production level but is now required	Restrict the activity/production to the extent to which prior EC was not required	
2	Action under Environment (Protection), Act 1986			The Ministry vide letter dated 27.04.2022 requested the Secretary, Department of Environment to initiate action under the provisions of section 19 of the Environment (Protection) Act, 1986 against the project proponent.
3	Appraisal under EIA Notification, 2006			As per SOP.
4	Penalty Provisions for Violation Cases and applications <ul style="list-style-type: none"> a. For new projects <ul style="list-style-type: none"> i. Where operation has not commenced: 1% of the total project cost incurred up to the date of filing of application along with EIA/EMP report; [Ex: Rs. 1 lakh for project cost of Rs 1 Cr] ii. Where operations have commenced without EC: 1% of the total project cost incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover during the period of 			The instant proposal was found as violation by EAC in the 29 th – 30 th September, 2021, 26 th – 27 th October, 2021, 28 th -30 th March, 2022 and 19 th -21 st April, 2022 and the same has been recorded in para 2, 3, 4 and 5. The provisions and percentage of penalty shall be decided during the time of PP submitting its proposal for appraisal of EC.

	<p>violation. [Ex: For Rs. 100 Cr project cost and Rs.100 Cr total turnover, the penalty shall be Rs. 1 Cr + Rs 0.25 Cr = Rs 1.25 Cr].</p> <p>b. For expansion projects:</p> <p>i. Where operation/ production with expanded capacity has not commenced: 1% of the total project cost attributable to the expansion, incurred up to the date of filing of application along with EIA/EMP report.</p> <p>ii. Where operation/ production with expanded capacity have commenced: 1% of the total project cost (attributable to the expansion activity), incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover (attributable to the expanded activity/capacity) involved during the period of violation.</p>	
--	--	--

xii. The Project Proponent submitted that the mining activities do not involve any displacement of human settlement. Hence, there is no Rehabilitation and Resettlement envisaged for this project.

xiii. 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.

xiv. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Project Cost	Rs. 5.5 Crores
Employment	Existing: 42 persons, Additional: 14 persons Total: 56 persons

8. The EAC after deliberations made by the Project Proponent and the Consultant, the EAC noted that this instant proposal is for (a) Regularization of ML-I: 180.09 Ha for violation; (b) Amalgamation of ML-I (180.09 Ha) and ML-II (132.27 Ha) to 312.36 Ha and (c) Expansion of Limestone Production from 2.00 to 2.25 MTPA with Total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189 MTPA) (d) increase in amalgamated mining lease area from 312.36 to 317.782 Ha. The EAC again reiterated the view taken by EAC (Non-Coal Mining) in its EAC meeting held during 29th – 30th September, 2021, 26th – 27th October, 2021, 28th - 30th March, 2022 and 19th-21st April, 2022 and noted that the Project Proponent initially obtained EC for ML-I 180.89ha for 0.465 MTPA under EIA Notification, 1994 in favour of M/s Chola Cements Ltd, which was transferred from M/s Chola Cements Ltd to M/s Parasakti Cement Industries Limited on 03.02.2004. Then, PP obtained EC for Expansion in Limestone production from 0.45 MTPA to 1.80 MTPA for ML I-180.09ha dated 13.09.2007 under EIA Notification, 2006. EC for Limestone production of 0.20 MTPA for Limestone mine for ML II-132.27ha dated 11.09.2007 under EIA Notification, 2006. PP submitted that the both the mine lease ML- I and ML-II over an area of 317.90ha was amalgamated on 21.07.2009. The Committee felt that during the amalgamation of mining leases, PP was required to obtain amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes and PP also obtained the EC dated 13.09.2007 for expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I) and after obtaining the EC dated 13.09.2007, the production is within the EC limit. Also, PP has been operating the quarry without obtaining Wildlife Clearance from the year 2005-06 to 2009-10. Thus, the Committee was of the view that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 in W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. Therefore, the EAC **recommended** the proposal for grant of Terms of Reference under Ministry's SOP for identification and handling of violation cases under EIA, notification 2006 dated 07.07.2021 for M/s. Parasakti Cement Industries Limited for mining of Limestone in Parasakti Limestone mine for (a) Regularization of ML-I: 180.09 Ha for violation; (b) Amalgamation of ML-I (180.09 Ha) and ML-II (132.27 Ha) to 312.36 Ha and (c) Expansion of Limestone Production from 2.00 to 2.25 MTPA with Total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189 MTPA) with increase in amalgamated mining lease area from 312.36 to 317.782 Ha, located at Jettipalem Village, Rentachintala Mandal, Guntur District, Andhra Pradesh for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects: -

- i. The Ministry vide its letter no. J-11015/570/2007-IA.II(M) dated 27.04.2022 requested the Secretary, Dept. of Environment, Govt. of Andhra Pradesh to initiate action under section 19 of the Environment (Protection) Act, 1986 against the project proponent. Further no consent to operate to be issued till the project is granted EC. The action initiated by the State Govt./State PCB, status of the same may be submitted to the Ministry.
- ii. The Project Proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. Details of benefit accrued during the violation period along with capital cost of the project is to be submitted.
- vii. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I(M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
- viii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity, smart classrooms and desktops/tablets, infrastructure, and

environment protection. Accordingly, PP shall propose to install Continuous Ambient Air Quality Monitoring Station within certain timeline.

- ix. The EAC noted that since the instant proposal is for expansion, Project Proponent should specifically evaluate the efficacy of the existing EMP and suggest EMP for expansion with minimum emission within the mine lease area and the EMP should specifically address the impacts due to fugitive dust due to transportation.
- x. The Project Proponent needs to submit the engineering design for garland drains, check dams, check filters and embankment and its efficacy to mitigate the potential impact of water body. PP also needs to submit the measures to be taken for protection of water bodies in the vicinity of the mine lease area due to mining activity.
- xi. 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.
- xii. The Project Proponent needs to monitor the ambient air quality at nearest receptors, predominant downwind direction and at other sensitive receptors. Accordingly, PP shall propose to install Continuous Ambient Air Quality Monitoring Station within certain timeline.
- xiii. The EAC was of the view that if the Project Proponent has not completed the plantation schedule as per the earlier EC for both the mines, the same shall be completed before appraisal of EC.
- xiv. The EAC noted that the mine lease was amalgamated over an area of 317.90 ha vide letter dated 21.07.2009 and whereas the Project Proponent got the Mining Plan approved over an area of 317.782 ha and also the Project Proponent applied for Terms of Reference over an area of 317.782 ha. Hence, PP needs to clarify the difference in mine lease area of 0.118 ha with the supporting documents.
- xv. The Project Proponent needs to submit the Certified Compliance Report (CCR) by the Ministry's Integrated Regional Office at the time of appraisal of EC as per Ministry's OM F.No. IA3-22/10/2022-IA.III [E 177258] dated 08.06.2022.

- xvi. The Project Proponent needs to submit the past production details for the year 2021-22 at the time of appraisal of EC.
- xvii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.

2.3 Gundlapalli Limestone mine of M/s NCL Industries Limited for mining of Limestone in the mine lease area of 130.37ha with expansion of Limestone production from 1.0 MTPA to 3.0 MTPA, Topsoil – Nil, OB/Waste – Nil, located at Gundlapalli Village, Matampally Mandal, Suryapet District, Telangana - Reconsideration of Terms of Reference (ToR)[File. No: J-11011/576/2008-IA.II(I), Proposal No: IA/TG/MIN/217936/2021; Consultant: Pridhvi Envirotech Pvt Ltd]

The proposal of M/s NCL Industries Limited is for grant of Terms of Reference for Gundlapalli mine for expansion of Limestone production from 1.0 MTPA to 3.0 MTPA, Topsoil – Nil, OB/Waste – Nil in the mine lease area of 130.37ha located at Gundlapalli village, Matampally Mandal, Suryapet District, Telangana. The mine lease area is located between Latitude 16°42'10.6"N to 16°43'24.8"N and Longitude 79°50'59.5"E to 79°52'14.6"E. The mine lease area falls under the Survey of India Toposheet No: 56P/13 & 56P/14. The Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth

2. M/s NCL Industries Limited has initially made an online application vide proposal no: IA/TG/MIN/217936/2021 dated 03.07.2021 and submitted Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006. 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. PP also submitted that Interstate boundary of Telangana and Andhra Pradesh is located at a distance of 220 m, S from the mine lease area.

3. The proposal was earlier considered in the 36th EAC (Non-Coal) meeting held during 31st August & 1st September, 2021. The Committee noted that PP has been operating the mines since 1990 and obtained Integrated EC on 15.12.2009, PP has not submitted the Past production details duly authenticated by DMG. The Committee also noted that the Pre-Feasibility Report submitted by the PP in Parivesh Portal is not as per the Ministry's O.M No. J-11013/41/2006-IA.II(I) dated 30.12.2010. After detailed deliberations made by the Project Proponent and the Consultant, the Committee therefore, deferred the proposal for want of requisite information.

4. The Project Proponent Letter No: NCL/Admin/EC GPL/2021-22 dated 13.12.2021 submitted the information on PARIVESH Portal and accordingly the proposal was reconsidered in the EAC in its meeting held on 28th-29th December, 2021.

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the as per the past production details submitted by the PP, it was observed that the PP has been carrying out the mining operation since 1986-87 prior to EIA Notification, 1994 and after EIA notification, 1994, also exceeded the production beyond the base year of 1993-94 and operated the mine till 15th December, 2009 without prior EC. PP obtained the integrated EC on 15th December, 2009, thereafter ML-I (Mettapalli) and ML-III (Gundlapalli) production limit is within the EC capacity of 1.5MTPA and 1.0MTPA respectively. ML-II (Sultanpur Thanda) is exceeded the production capacity beyond the EC capacity of 0.05MTPA and the EAC (Non-Coal Mining) already prescribed ToR for ML-II at Sultanpur Thanda under the violation category of the EIA Notification 2006 in the 29th EAC meeting held during 15th - 17th March, 2021. Further, the production details indicated that in ML-I (Mettapalli) during 1993-94 no mining was carried out and the base year of expansion becomes 1992-93 i.e., preceding year in ML-I (Mettapalli) and PP produced 15,000 MT during 1992-93 and exceeded the base year production of 15,000 MT in 1998-99 (1,90,000 MT). Also, PP in ML-II (Sultanpur Thanda) has not carried out the mining operation during 1993-94 and the base year of expansion becomes 1999-2000 and PP produced 200 MT during 1999-2000 and exceeded the base year production of 200 MT in 2008-09 (1,000 MT). PP in ML-III (Gundlapalli), produced 2,58,049 MT during 1993-94 and exceeded the base year production of 2,58,049 MT in 1996-97 (3,04,200 MT). Thus, the Committee was of the view that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 W.P.C 114 of 2014 in the matter of Common cause Vs Union India and Ors and the Ministry may take action accordingly. The Committee also deliberated on the earlier EC compliance report certified by the IRO, Hyderabad, MoEF&CC vide Letter No: ENV/IRO-HYD/CCR-05/A/2021/33 dated 03.07.2021 given wherein the committee noted the some non-compliance of the earlier EC dated 15.12.2009 were observed by IRO; that PP should improve the implementation of green belt around the mine lease area, PP shall carry out the flora and fauna study by recognized institute, PP shall provide ETP if workshop established for washing of vehicles inside the mine lease area and PP shall take necessary steps to improve the conditions of approach road to mine lease area. Thus, the Committee advised the PP to submit the satisfactory compliance of EC conditions of the earlier Environmental Clearance dated 15.12.2009. Therefore, the Committee deferred the proposal for want of requisite information. The Project Proponent vide letter dated 17.05.2022 submitted the information in PARIVESH on 25.05.2022 and accordingly the proposal was reconsidered in the 52nd EAC (Non-Coal Mining) meeting held during 14th – 15th June, 2022.

Based on observation of EAC and compliance of observation of EAC made by PP, the following are detailed below:

S. No	Observation of EAC	Reply by Project Proponent
-------	--------------------	----------------------------

1	<p>The Project Proponent shall submit the satisfactory final closure report certified by the IRO for non-compliance of the EC conditions in EC letter dated 15.12.2009 for further appraisal of the proposal.</p>	<p>Project Proponent submitted the final closure report issued by the Integrated Regional Office, Hyderabad vide E-File No: ENV/IRO-HYD/CCR05/A/2021 2158 dated 19.04.2022 against partial compliances/ recommendations. The action taken report submitted by PP was verified at during the revisit on 13.04.2022 wherein the Integrated Regional Office mentioned that the conditions are compiled and being complied.</p>
2	<p>The Project Proponent needs to submit the detailed measures taken in compliance of the MoEF&CC Office Memorandum No. Z11013/57/2014-IA.II (M), dated 29th October, 2014.</p> <p>a) The Project Authority shall adopt Best Mining Practice for the given mining conditions. In the mining area, adequate number of check dams, retaining walls/structures, garland drains and settling ponds should be provided to arrest the wash-off with rain water in catchment area.</p> <p>b) The natural water bodies and or streams which are flowing in and around the village should not be disturbed. The Water Table should be nurtured so as not to go down below the premining period. In case of any water scarcity in</p>	<p>Project Proponent submitted the point wise compliance of the Office Memorandum No. Z11013/57/2014-IA.II (M) dated 29th October, 2014 as mentioned below: -</p> <p>Project Proponent submitted that the following measures are taken to safe guard mine pits from Krishna River/ Pulichintala Reservoir backwaters during floods. Safety bunds are provided along the working pit to protect it from Inundation. Two safety bunds/walls have been provided along Eastern and South western side of the working pit. The High Flood Level (HFL) is 53.34 m. During floods, we noticed that the backwaters of river Krishna rose up to the level of 54 m. Therefore, to safeguard the pits, bunds have been constructed up to the height of 55.5 m. As the bund is higher than HFL, the pit is safe from inundation. As this limestone mining is in operation since 1991-1992, no over burden or mine waste is there in the mine area.</p> <p>Project Proponent submitted that there is one seasonal nallah on the western boundary of the mine lease area. No water traces during summer season. During rainy season, the water flows into river Krishna. This seasonal nallah is neither disturbed nor diverted. Ground</p>

	<p>the area, the Project Authorities have to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table.</p> <p>c) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. The Project Proponents (PPs) must ensure that the biological clock of the villagers is not disturbed by orienting the floodlights/ masks away from the villages and keeping the noise levels well within the prescribed limits for day/night hours</p> <p>d) The Project Authority shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing. In this context, Project Authority should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun should be scrupulously guarded against felling, lest the cattle abandon the grazing ground or return home by noon.</p>	<p>water monitoring was done in the nearby villages. PP also submitted the copy of the water level monitored in Villages Mattapalli, Sultanpur, Pedaveedu and Ramachandrapuram during April to September, 2020.</p> <p>Project Proponent submitted that the village Gundlapalli is located at a distance of 1.2 km from the mine lease area. As the mining operations are restricted to day time, there shall not be any illumination and sound from the mining site. PP also submitted the vibration studies carried out in the mine lease area wherein Peak Particle Velocity (PPV) monitored on 17.05.2021 observed to be 1.51 mm/s @ 128.00 Hz and 4.9 mm/s @ 46.55 Hz monitored on 19.05.2021.</p> <p>Project Proponent submitted that the mine is in operation since 1991-1992 and this is a Government land allotted for mining activity. No grazing land is involved in the mine.</p>
--	--	---

	<p>e) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust.</p> <p>f) The Project Authority shall ensure that the productivity of agricultural crops is not affected due to mining operations. Crop Liability Insurance Policy has to be taken by the PP as a precaution to compensate for any crop loss. The impact zone shall be 5 km from the boundary of mine lease area for such insurance policy. In case, several mines are located in a cluster, the Associations of owners of the cluster mines, formed inter-alia, to subserve such an objective, shall take responsibility for securing such Crop Liability Policy</p> <p>g) In case any village is located within the mining leasehold which is not likely to be affected due to mining activities during the life of mine, the Expert Appraisal Committee (EAC) should consider the proposal of Environmental Clearance (EC) for reduced mining area. The Mining lease may be executed for the area for which EC is accorded. The mining plan may also be accordingly revised and required stipulations under the MMDR Act, 1957 and MCR, 1960 met.</p>	<p>Project Proponent submitted that the regular water sprinkling being carried out by the tankers on haulage road and mine access road.</p> <p>Project Proponent also submitted that the requisite bag filters have already been provided at crusher and all other material transfer points.</p> <p>Project Proponent submitted that the mining area is surrounded by the reserve forest and river Krishna and there is no impact on agricultural crop productivity due to mining operations.</p> <p>Project Proponent submitted that there is no village located in the mining lease area. The nearest village is Gundlapalli which is located at a distance of 1.2 km from the mine lease area. Further, PP submitted that there are no any impacts on village due to mining operations.</p>
--	--	--

	<p>h) Transportation of the minerals by road passing through the village shall not be allowed. A 'bypass' road should be constructed (say, leaving a gap of at least 200 meters) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The PP shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the Project. No road movement should be allowed on existing village road network without appropriately increasing the carrying capacity of such roads</p> <p>i) Likewise, alteration or re-routing of foot paths, pagdandies, cart roads, and village infrastructure/public utilities or roads (for purposes of land acquisition for mining) shall be avoided to the extent possible and in case such acquisition is inevitable, alternative arrangements shall be made first and then only the area acquired. In these types of cases, Inspection Reports by site visit by experts may be insisted upon which should be done through reputed Institutes.</p> <p>j) As CSR activities by Companies including the Mining Establishments has become mandatory up to 2% of their financial turn-over, Socio Economic Development of the neighbourhood Habitats could also be planned and executed by the PPs more systematically</p>	<p>Project Proponent submitted that no village road is being used for transporting the mineral.</p> <p>Project Proponent submitted that there are no access roads, foot paths and cart roads in the mine area. There is a water pipe line of Government Lift Irrigation scheme in the East Direction of the mine and Overhead HT Line is there in the East Direction of the mine. Buffer distances are left as per the norms for these public utilities.</p> <p>Project Proponent submitted that R&R is not applicable. Detailed socioeconomic impact assessment will be submitted in the Final EIA report. NCL Industries is contributing to the well-being of the people in the surrounding villages. It established a College and High School in the plant area which is giving free education to</p>
--	--	--

	<p>based on the 'Need based door to door survey' by established Social Institutes/Workers on the lines as required under TOR. "R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village located in the mine lease area will be shifted or not. The issues relating to shifting of Village including their R&R and socio-economic aspects should be discussed in the EIA report."</p>	<p>villagers nearby. Also, it established health centre, which is accessible to villagers and free consultation and medicines are being provided. In the last 4 years, NCL management has incurred an expenditure of Rs 7.10 Cr towards these CSR activities.</p>
<p>3</p>	<p>The Project Proponent needs to justify the reduction in project cost from Rs 25.40 Cr to Rs 10.0 Cr and also reduction in water requirement from 475.0 KLD to 55.0 KLD.</p>	<p>Project Proponent submitted that previously approximate project cost was given and after detailed evaluation/ review of the project, cost of the project decided as Rs 10.0 Cr. PP also submitted that as per the Consent for Operation (CFO), the water consumption is 40.0 KLD and now as a part of expansion the total water consumption is proposed as 55.0KLD. In the Mining plan it was wrongly given.</p>
<p>4</p>	<p>The Project Proponent needs to submit the revised letter for extension of lease period for 50 years obtained from the State Government by mentioning the mine lease area in Hectare (ha) instead of Acre and</p>	<p>Project Proponent submitted that the mine lease area given in hectare i.e., 130.37 Ha clearly in Page no: 3 of the supplementary lease deed. PP also submitted the copy of the supplementary lease deed made on</p>

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

	Ghats.	20.02.2018 between the Governor of Telangana and M/s NCL Industries Ltd over an area of 130.37 ha for the period up to 21.10.2040.
--	--------	--

5. The details of the project as ascertained from the document submitted by the Project Proponent are mentioned below:

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

Date of application	Proposal No	Consideration	Details	Date of accord
22.06.2009	IA/TG/MIN/53618/2007	-	Expansion of Cement plant (Cement 0.30 MTPA to 0.90 MTPA; Clinker 0.60 MTPA to 1.60 MTPA) and Limestone (0.90 MTPA to 2.55 MTPA) i. ML I @ Mettapalli-0.78 to 1.5 MTPA ii. ML II @ Sultanpur Thanda – 0.02 to 0.05 MTPA iii. ML III @ Gundlapalli - 0.10 to 1.0 MTPA	15.12.2009

ii. Details of mine lease:

- a. The Project Proponent submitted that mining lease of Gundlapalli Limestone Mine was originally granted to Shri. K. Ravi for a period of 20 years from 22.10.1990, over an extent of 130.37 Ha. (322-06 Acres) in Gundlapalli Village, Mattampalli Mandal, Nalgonda District, Andhra Pradesh. Mining lease deed was executed by the Assistant Director of Mines & Geology, Nalgonda vide Order No. G. O. No. 124 dated 28.03.1991.
- b. Then, the Govt. of Andhra Pradesh vide G. O. MS. No. 614 dated 22.10.1981 accorded permission for transfer of the mining lease from Shri. K. Ravi to M/s. NCL Industries Limited under Rule 37 of M.C. Rules, 1960 of the lease period up to 21.10.2010 on the same terms and conditions laid down in the G.O. No. 124 dated 22.10.1990.
- c. Further the lease was renewed for another 20 years by the Govt. of Telangana vide order Go. No. 33 dated 02.12.2014 and the lease deed was executed on 17.03.2015 valid upto 21.10.2030.

- d. Thereafter, Govt. of Telangana vide G.O. M.S. 64 dated 24.08.2017 have extended the lease period for 50 years from the date of initial grant i.e., from 22.10.1990 to 21.10.2040 as per section 8A (5) of Mines and Minerals (Development and Regulation) Amendment Act. 2015. PP also submitted that the Proceedings issued by Govt. of Telangana vide Proceedings No. 1335/M2/2009 dated 20.02.2018 for the period of 50 years from the date of original grant of mining lease i.e., from 22.10.1990 to 21.10.2040 in respect of the mining lease held by M/s NCL Industries Limited for Limestone over an extent of Acres 322.06 Gts. PP also submitted the supplementary lease deed made on 20.02.2018 between the Governor of Telangana and M/s NCL Industries Ltd over an area of 130.37 ha for the period up to 21.10.2040.
- iii. Details of Mine Plan:
- a. Modified Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines vide Lr No: AP/NLG/MP/Lst-3/ Hyd dated 28.06.2021 for mining of Limestone over an area of 130.37 ha for the period up to 2021-22 to 2024-25.
 - b. The Project Proponent submitted that it is proposed to continue the mining operations by fully mechanized method.
 - c. PP reported that the total reserves of 55.699 million tonnes at an average of limestone 3.0 MTPA and the life of the mine is calculated as 18.56 years say as 19 years.
 - d. Drilling operations will be carried out by deep hole drilling and blasting by using slurry explosive. Loading of mineral will be done mechanically with excavator/loader.
 - e. ROM will be transported through Tippers of 17 tonnes capacity to the crusher located outside the lease area adjacent to the plant area. Over size boulders will be sized by using rock breaker. Feed size of 70mm of limestone for the cement plant will be done by crusher.
 - f. Crushed material will be stacked in silos/minerals stock yard and the same will be transferred to the cement plant through conveyor belt as per requirement.
 - g. The existing roads will be extended up to the pits as per requirement and the gradient of 1 in 16 will be maintained as per MMR 1961. It is proposed to work in 2 shifts of 8 hrs each.
 - h. There is no waste generation in the mine. Hence, recovery of limestone from ROM is 100%. If any waste is generated the same will be utilized for formation of bund along the 7.5m Safety barrier and hence no waste dumping is proposed. During the balance plan period there is no waste, mineral rejects & topsoil generation from this mine.

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

- i. PP reported that General surface elevation of mine is 60m RL. and present working level reached up to 39.00m RL, up to which no ground water encountered during mining operations. Water struck at depth in the exploratory boreholes drilled in the lease area is ranging from 40 to 45m bgl (i.e., 20 to 15m RL.) and the balance plan period workings proposed up to 30m RL. Hence, no ground water will be encountered during the balance plan period. However, necessary permission will be obtained before carrying out mining operations below ground water table from the concerned authorities.

iv. Water requirement

Total water requirement	55.0 KLD	Dust suppression	35.0 KLD
		Green belt	15.0 KLD
		Domestic	5.0 KLD
Source	Mine sump water and drinking water obtained through tankers		
Additional information (if any)	About 4.0 KLD of domestic waste water is generated and discharged to septic tank followed by soak pit.		

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

Particulars	Distance	Direction
Gundlapally Village	1.2 km	NNE
Matampally Town	6.8 km	NNE
National Highway-167A	17.8 km	WSW
Nadikudi Junction	19.0 km	SW
Krishna River	Adjacent to the mine boundary, South	
	PP submitted that Krishna River flows in east direction in the southern part of the mine lease area. PP reported that the Highest R.L.is 68m, Lowest RL is 39m and Surface Relief is 29m. PP also reported that in the advent of PulichIntala project on Krishna River, the Full Reservoir Level (FRL) or High Flood Level (HFL) is 53.34 m above MSL which bays into the mine lease area in NW & Southern parts. As a result of this, part of the mining lease area of 35.81 ha cannot be exploited during the rainy season. Before commencing the production and dispatch within HFL area, necessary permission will be obtained from DGMS. PP submitted that presently 2 Mining pits of Pit-1 (2.46 Ha) & Pit-2 (27.9089 Ha) has been developed upto depth of 20 m bgl and safety bunds are provided along Pit – 1 & Pit – 2 to protect the mine pits from inundation. PP also submitted that a Nala is passing on the southern side of Pit – 1 with R.L.s of 43.35 m to 45.80 m. Also, two safety bunds are provided along	

	Eastern and South western side of Pit – 1. The R.L.s of bund in Eastern side is 48.46 m to 52.81 m and R.L. of SW side bund is 51.93 m. As the R.L. of bund is higher than Nala R.L.s, the pit is safe from inundation. PP reported that Full Reservoir Level (FRL) of Pulichintala project is touching the proposed working limit in Eastern side of Pit – 2 and a Safety bund is provided with R.L.'s 57.514 to 57.302 to protect from F.R.L. of Pulichintala project which is 53.34 m. PP also submitted the map showing the working pit limit and HFL of Pulichintala Project and also Photographs showing safety bund to prevent mine inundation from river Krishna.
--	---

vi. Details of Greenbelt/Plantation:

The Project Proponent submitted that as per the mining plan, the total area of 7.5 m safety zone of the mine is presented as 6.66Ha and developing the green belt in the buffer zone. It is proposed to plant 2,400 plants in phased manner in an extent of 1.20 ha during the 4 years mining period. PP also reported that the total of 9,237 no. of plants have been planted in all three mines [ML I (4,715 no. of plants), ML II (1,556 no. of plants) and ML III (2,966 no. of plants)] covering an area of 7.8 ha. PP also reported that species such as *Albizia lebbeck (L.) Benth.*, *Samanea saman (Jacq.) Merr.*, *Peltophorum pterocarpum DC*, *Tectona grandis L.f.*, *Ailanthus excelsa Roxb.*, *Conocarpus erectus L*, *Derris indica (Lam.) Bennett*, *Ficus benjamina L*, *Ficus religiosa Linn.*, *Delonix regia (Hook.) Raf.*, *Azadirachta indica A.Juss.*, *Bauhinia racemosa Lam.*, and *Caesalpinia pulcherrima L Swartz* have been planted.

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

The Project Proponent submitted that entire mine lease area falls in Govt. Waste land, non-forest area and no forest involved in the mine lease area. Further, PP submitted that there is no National Park, Wild Life Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors, Eco-Sensitive Zone (ESZ) within the 10 km radius of the study area. However, PP submitted that nearest forest found within 10km radius of the area are Sultanpur RF-0.19 km, W, Regulagadda RF-1.16 km, S, Pittalasarikota RF-1.18km-E, Tangeda RF-1.91km-SSW, Chintalapalem RF-4.87km-E, YepalMadhavaram RF-5.17 km-NE, Gurramubodu RF-5.48 km, NNW, Vajralagani RF 6.02km-WNW, Uranam RF-6.72Km, SE and Govindapuram RF-7.74 Km, SSE.

viii. Details of Past Production:

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

The Project Proponent submitted that the past production data separately for all three mines (ML- I at Mettapalli, ML-II at Sultanpur Thanda and ML-III at Gundlapalli) duly certified by the Assistant Director of Mines and Geology, Suryapet along with Annexure-III. PP submitted that production data for ML-I (114.5 acres or 46.36 ha) at Mettapalli vide Letter No: 1333/M2/1998, dated 02.12.2021 from the year 1986-87 to 2021-22 (up to 30.11.2021), ML-II (105.32 acres or 42.63 ha) at Sultanpur Thanda vide Letter No: 2876/M2/1998, dated 02.12.2021 from the year 1999-2000 to 2021-22 (up to 30.11.2021) and ML-III (322.06 acres or 130.37 ha) at Gundlapalli vide Letter No: 1335/M2/1998, dated 02.12.2021 from the year 1991-92 to 2021-22 (up to 30.11.2021). PP submitted the Affidavit as per Ministry's OM dated 30.05.2018 in a Non-Judicial stamp paper of Rs 100 bearing AL 773040 dated 13.12.2021 that the project/activity pertaining to the mining lease has not been in violation of the order dated 2nd August 2017 of the Hon'ble Supreme Court in matter of writ Petition (Civil) No. 114 of 2014, Common Cause vs UOI.

S. No	Year	Dispatch permit particulars in MT	EC Capacity (MTPA)
1	1991-1992	8,700.00	1.0
2	1992-1993	2,01,001.00	1.0
3	1993-1994	2,58,049.00	1.0
4	1994-1995	2,57,250.00	1.0
5	1995-1996	2,55,800.00	1.0
6	1996-1997	3,04,200.00	1.0
7	1997-1998	3,28,906.00	1.0
8	1998-1999	1,02,000.00	1.0
9	1999-2000	59,000.00	1.0
10	2000-2001	1,86,000.00	1.0
11	2001-2002	1,00,000.00	1.0
12	2002-2003	1,26,800.00	1.0
13	2003-2004	10,000.00	1.0
14	2004-2005	10,000.00	1.0
15	2005-2006	Nil	1.0
16	2006-2007	Nil	1.0
17	2007-2008	Nil	1.0
18	2008-2009	39,000.00	1.0
19	2009-2010	2,20,000.00	1.0
20	2010-2011	3,94,500.00	1.0
21	2011-2012	5,09,000.00	1.0
22	2012-2013	4,42,000.00	1.0
23	2013-2014	3,43,000.00	1.0
24	2014-2015	4,13,125.00	1.0
25	2015-2016	6,01,000.00	1.0

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

26	2016-2017	8,73,200.00	1.0
27	2017-2018	9,98,000.00	1.0
28	2018-2019	9,99,203.00	1.0
29	2019-2020	8,60,000.00	1.0
30	2020-2021	9,96,000.00	1.0
31	2021-2022 (upto 30 th November, 2021)	7,60,000.00	1.0

ix. Details of CTE/CTO, Certified EC Compliance Report:

The Project Proponent submitted the EC compliance report certified by Integrated Regional Office (IRO), Hyderabad vide Letter No: ENV/IRO-HYD/CCR-05/A/2021/33 dated 03.07.2021. Site visit was carried out by IRO on 28.05.2021. IRO noted that PP should improve the implementation of green belt around the mine lease area, PP shall carry out the flora and fauna study by recognized institute, PP shall provide ETP if workshop established for washing of vehicles inside the mine lease area and PP shall take necessary steps to improve the conditions of approach road to mine lease area. PP also submitted that CFE expansion of three mines obtained order no 237/PCB/ CFE/ RONLG/HO/2009 dated 07.12.2009. The current CFO renewal granted to Gundlapally Mine by the Telangana State Pollution Control Board vide order No: TSPCB/CFO/NLG/HO/2017- 3265 Dated: 03.03.2017 is valid up to 31.03.2022.

x. The Project Proponent submitted that the Rehabilitation & Resettlement (R&R) Plan is not applicable for this project.

xi. The Project Proponent submitted that there is no litigation pending against the project/ proposed site and no direction has been passed by the court of law against the project.

xii. The Project Proponent submitted that the total project cost is Rs 10.0 Cr. PP reported that currently 35 people are working in the mine. For expansion activities, additional 35 people will be employed. In total, the mine will provide employment to 70 persons.

6. The EAC deliberated on the additional details submitted by the Project Proponent and noted that the mine lease area is in close proximity to the river Krishna. The EAC was of the view that the height of the bund constructed by the Project Proponent is not adequate and the EAC advised the PP to increase the height of the bund. The EAC also noted that the cost of the project i.e., Rs 10.0 Cr submitted by the Project Proponent is not justifiable and the EAC opined that the Project Proponent needs to revise the project cost by including the existing cost of the project plus added cost of the project along with the construction of bund and accordingly the Project Proponent should prepare the

EIA/EMP report. Based on the above discussions held, the EAC **recommended** the proposal for grant of Terms of Reference (ToR) for Gundlapalli Limestone mine of M/s NCL Industries Limited for mining of Limestone in the mine lease area of 130.37ha with expansion of Limestone production from 1.0 MTPA to 3.0 MTPA, Topsoil – Nil, OB/Waste – Nil, located at Gundlapalli Village, Matampally Mandal, Suryapet District, Telangana for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects: -

- i. The EAC noted that the mine lease area is in close proximity to the river Krishna and noted that there is a drain which allows the backwater into the mining area and the rainfall and surface outflow from the mine drains into the river Krishna. Hence, the Project Proponent needs to submit the detailed report on the engineering design for garland drain, settling tank and check dams and its efficacy through recognized institution. The study should also include the per day silt load, settling velocity of the silt, retention time required based on the annual rainfall with a provision to monitor the turbidity of the overflow from the siltation tank as well as monitoring of the turbidity into the drains.
- ii. The Project Proponent needs to explore the likelihood of river water entering into the mine pit below the RL of the HFL and the measures that are required to be taken for prevention of seepage and in the event of seepage to drain out the water through settling tank.
- iii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity, smart classrooms and desktops/tablets, infrastructure, and environment protection.
- 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. PP also needs to submit the scenario of pollution to be generated at the mine lease boundary and at the sensitive receptors for air quality, noise level and ground vibration. Accordingly, PP shall propose to install Continuous Ambient Air Quality Monitoring Station within certain timeline.
- v. The Project Proponent needs to submit plan for transportation along with the map and its impact scenario and its mitigation measures.

- vi. The Project Proponent needs to submit the safety measures taken for protection of Reserve Forest/Protected Forest in the vicinity of the mine lease area.
- vii. The Project Proponent needs to submit the detailed greenbelt/plantation plan in tabular format (year wise for entire life of mine) with proper time bound capital and recurring cost. Entire plantation shall be carried out by planting the seedling of 10 ft height with at least 90% survival rate and the entire peripheral plantation, safety barrier plantation and gap plantation shall be completed within 6 months from the start of mining operations. The casualties of each year shall be replaced every year with new saplings and such number of saplings shall not be counted in the number of saplings proposed to plant in that year. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies. An undertaking in this regard needs to be submitted by PP.
- viii. The Project Proponent needs to increase the height of the bund and PP needs to submit the Approval Letter from Directorate General of Mines Safety (DGMS) for safety of bund adequacy.
- ix. The Project Proponent needs to revise the project cost by including the existing cost of the project plus added cost of the project along with the construction of bund and accordingly the Project Proponent should prepare the EIA/EMP report.
- x. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.

2.4 Amendment in Terms of Reference dated 25.01.2021 of M/s ACC Limited for mining of Limestone in Gagaj Limestone mine with production capacity of 4.50 MTPA (Limestone 3.78 MTPA, Shale 0.64 MTPA & Quartzite 0.072 MTPA) subgrade mineral stacking 2,50,000 CuM per annum (maximum) (0.51 million tons) [Total Excavation: 5.01 MTPA] with two no.s of existing crushers having capacity of 1000 TPH & 400 TPH from the mine lease area of 231.25 ha, located at Villages Nalag, Bhaterrh Uprali, Barmana, Jamthal, Dhawan Kothi, Baloh & Panjgain, Tehsil Sadar, District Bilaspur, Himachal Pradesh - Amendment in Terms of Reference[File. No: J-11015/130/2003-IA.II(M), Proposal No: IA/HP/MIN/267826/2022,Consultant: J M EnviroNet Pvt Ltd]

The proposal is for amendment in Terms of Reference dated 25.01.2021 of M/s ACC Limited for mining of Limestone in Gagaj Limestone mine with production capacity of 4.50 MTPA (Limestone 3.78 MTPA, Shale 0.64 MTPA & Quartzite 0.072 MTPA) subgrade mineral stacking 2,50,000 CuM per annum (maximum) (0.51 million tons) [Total Excavation: 5.01 MTPA] with two no.s of existing crushers having capacity of

1000 TPH & 400 TPH from the mine lease area of 231.25 ha, located at Villages Nalag, Bhaterh Uprali, Barmana, Jamthal, Dhawan Kothi, Baloh & Panjgain, Tehsil Sadar, District Bilaspur, Himachal Pradesh. The mine lease area is located between Latitude: 31°23'30.3"N to 31°24' 57.50" N and Longitude: 76°50'15.5"E to 76°51'8" E. The mine lease area falls under the Survey of India Toposheet No: 53A/15 and falls in Seismic Zone-V.

2. The proposal was earlier considered in the 39th EAC (Non-Coal Mining) held during 11th - 12th October, 2021. During the meeting, the Committee noted that the ToR dated 29.01.2021 was granted under violation. Further the 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. Therefore, the Committee returned the proposal in present form and was of the view that PP should approach Ministry after the final adjudication of the Hon'ble High Court.

3. The instant proposal is considered in the 52nd EAC (Non Coal Mining) meeting held during 14th - 15th June, 2022 based on the MoEF&CC Office Memorandum F.No. 22-21/2020-IA.III [E 138949] dated 28.01.2022 w.r.t observation of Hon'ble Supreme Court in the matter of Civil Appeal Nos. 7576-7577 of 2021 in Electrosteel Steels Limited Vs Union of India and Ors., with reference to the SOP dated 7th July, 2021 for identification and handling of violation cases under EIA Notification, 2006. The Hon'ble Supreme Court of India has inter-alia observed the following:

"93. The interim order passed by the Madras High Court appears to be misconceived. However, this court is not hearing an appeal from that interim order. The interim stay passed by the Madras High Court can have no application to operation of the Standard Operating Procedure to projects in territories beyond the territorial jurisdiction of Madras High Court. Moreover, final decision may have been taken in accordance with the Orders/Rules prevailing prior to 7th July, 2021".

4. In view of the above, the Project Proponent has submitted an online application vide proposal no: IA/HP/MIN/267826/2022 dated 26.05.2022 and submitted Form -3 under the provisions of EIA Notification, 2006. 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 attracts the general conditions as the Bandli Sanctuary is located at a distance of 4.1 km from the mine lease area and appraised at Central level.

5. The Project Proponent obtained Terms of Reference (ToR) vide letter dated 25.01.2021 under violation of EIA Notification, 2006 for mining of Limestone in Gagaj

Limestone mine with production capacity of 4.5 MTPA (Limestone) and subgrade mineral stacking 2,50,000 cu.m per annum (max) with two no.s of existing crushers having capacity of 1000 TPH & 400 TPH from the mine lease area of 231.25 ha, located at Villages Nalag, Bhaterh Uprali, Barmana, Jamthal, Dhawan Kothi, Baloh & Panjgain, Tehsil Sadar, District Bilaspur, Himachal Pradesh. The Ministry vide Lr No. J11015/130/2003-IA.II (M) dated 25.01.2021 requested the Secretary, Dept. of Environment, Science and Technology, Govt., of Himachal Pradesh to initiate the action under the provisions of section 19 of the Environment (Protection) Act, 1986 against the project.

6. Now, the Project Proponent requested for amendment in TOR dated 25.01.2021 for (1) inclusion of Inclusion of Shale and Quartzite, (2) Not to consider the project under violation and (3) Exemption of public hearing as per MoEF&CC OM No. 22-4/2020-IA.III dated 16.02.2021 as mentioned below: -

S. No	Reference of TOR dated 25.01.2021	Clause as per ToR dated 25.01.2021	Amendment Sought by PP
1	Inclusion of Shale & Quartzite in ToR letter dated 25.01.2021		
	Clause 1, Line 2, Page no:1 Point no:1, Line 3, Page no:1, Point no:15, Line 7, Page no:4, Point no:16, Line 7, Page no:5,	Limestone Production Capacity of 4.50 MTPA subgrade mineral stacking 2,50,000 CuM per annum (maximum) (0.51 million tons)" and two existing Crushers of capacity 1000 TPH & 400 TPH	Production Capacity of 4.50 MTPA (Limestone 3.78 MTPA, Shale 0.64 MTPA & Quartzite 0.072 MTPA) subgrade mineral stacking 2,50,000 CuM per annum (maximum) (0.51 million tons) [Total Excavation: 5.01 MTPA] two existing Crushers of capacity 1000 TPH & 400 TPH
2	Project not to be considered under Violation		
	Clause 15 & 16, Page 4 & 5	MoEFCC accorded standard terms of Reference under Notification S.O.1530(E) dated 6th April 2018 and additional TOR in view of the violation for undertaking detailed EIA / EMP Study	Project not to be considered under Violation
3	Public consultation in place of Public hearing as per MoEFCC OM dated 16.02.2021		
	Specific Condition no	PP needs to carry out	Request to amend the

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

vi	the Public Hearing as the proposal attracts the violation and PH cannot be exempted	clause as “Public consultation in place of Public hearing as per MoEF&CC OM dated 16.02.2021”
----	---	---

7. Point-Wise Compliance to SoP dated 7th July, 2021

Step	SOP dated 07.07.2021			Compliance of SOP dated 07.07.2021
1	S. No	Status of EC	Actions	Order to revert the activity/ production to permissible limits
1	If no prior EC has been taken	Order to close its operation		
2	If prior EC is available for existing/old unit	Order to revert the activity/ production to permissible limits		
3	If prior EC was not required for earlier production level but is now required	Restrict the activity/production to the extent to which prior EC was not required		
2	Action under Environment (Protection), Act 1986			The Ministry vide letter dated 25.01.2021 requested the Secretary, Department of Environment, Science and Technology, Govt. of Himachal Pradesh to initiate action under the provisions of section 19 of the Environment (Protection) Act, 1986 against the project proponent.
3	Appraisal under EIA Notification, 2006			As per SOP, specific conditions already prescribed in the TOR letter dated 25.01.2021.
4	Penalty Provisions for Violation Cases and applications c. For new projects iii. Where operation has not commenced: 1% of the total project cost incurred up to the date of			The instant proposal was found as violation by EAC in its meeting held during 22 nd – 24 th June, 2020 and 22 nd – 24 th December, 2020. The provisions and percentage of penalty shall be decided during the time of PP submitting its proposal for appraisal of EC.

	<p>filing of application along with EIA/EMP report; [Ex: Rs. 1 lakh for project cost of Rs 1 Cr]</p> <p>iv. Where operations have commenced without EC: 1% of the total project cost incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover during the period of violation. [Ex: For Rs. 100 Cr project cost and Rs.100 Cr total turnover, the penalty shall be Rs. 1 Cr + Rs 0.25 Cr = Rs 1.25 Cr].</p> <p>d. For expansion projects:</p> <p>iii. Where operation/ production with expanded capacity has not commenced: 1% of the total project cost attributable to the expansion, incurred up to the date of filing of application along with EIA/EMP report.</p> <p>iv. Where operation/ production with expanded capacity have commenced: 1% of the total project cost (attributable to the expansion activity), incurred up to the date of filing of application along with EIA/EMP report PLUS 0.25% of the total annual turnover (attributable to the expanded activity/capacity) involved during the period of violation.</p>	
--	--	--

8. The Project Proponent reported that one case has been filed by M/s Archana Dutt. The case filed by M/s Archana Dutt is not a specific case under Environment

(Protection) Act, Air (P& CP) Act & Water (P & CP) Act. It is filed in general under Article 226 of Constitution of India, by M/s Archana Dutt against the Union of India through the Ministry of Commerce & Industries, and made State of Himachal Pradesh, State agencies like HPSPCB and all the cement companies in the State of Himachal Pradesh as a respondent. 1) Union of India and others) 2) The State of Himachal Pradesh through its Chief Secretary, Civil, Secretariat, Chotta Shimla, Shimla 171002 (H.P) (3) The Himachal Pradesh Pollution Control Board, Him Parvesh, Phase-III, New Shimla, Shimla 171009 (H.P) (4) M/s ACC limited, Gagal Cement works, Barmana, District Bilaspur - 174013 (H.P.) (5) Ambuja Cement Darlaghat , District - Solan (H.P) (6) Ultra tech cement limited, Bagga, District Solan (HP) (7) Cement corporation of India, Rajban, District, Sirmoué (HP). Last Hearing was on 29.08.2019, with an order as "Adjourned by four weeks" and no further hearing was held as on date and it is still pending.

9. The EAC after detailed deliberations made by the Project Proponent and the Consultant, noted that the instant proposal is for amendment in TOR dated 25.01.2021 for (1) inclusion of Inclusion of Shale and Quartzite, (2) Not to consider the project under violation and (3) Exemption of public hearing as per MoEF&CC OM No. 22-4/2020-IA.III dated 16.02.2021. The EAC noted that the PP has mined out the Shale without obtaining EC. Therefore, the production of shale amounts to be additional production over the EC granted to the project proponent on 21.04.2005 which is a violation of EIA Notification, 2006 and subsequent amendments. The EAC also noted that the TOR dated 25.01.2021 was issued keeping a view on violation of the EIA Notification, 2006. Thus, the EAC was of the view that the instant proposal will be considered as a violation case as per Ministry's SOP dated 07.07.2021. The EAC again reiterated the view taken by the EAC in its meeting held during 22nd – 24th December, 2020 while recommending the Terms of Reference (TOR) it was specifically mentioned that in specific condition (vi) that the PP needs to carry out Public Hearing as the proposal attracts the violation and the Public Hearing cannot be exempted. Hence, the MoEF&CC OM vide No. 22-04/2020-IA.III dated 16.02.2021 is not applicable in the instant proposal.

Based on the above discussions held, the EAC **recommended** the proposal for amendment sought in para 6 for S.No:1 only (i.e., for Inclusion of Shale & Quartzite in ToR letter dated 25.01.2021) for M/s ACC Limited for mining of Limestone in Gagal Limestone mine with production capacity of 4.50 MTPA (Limestone 3.78 MTPA, Shale 0.64 MTPA & Quartzite 0.072 MTPA) subgrade mineral stacking 2,50,000 CuM per annum (maximum) (0.51 million tons) [Total Excavation: 5.01 MTPA] with two nos of existing crushers having capacity of 1000 TPH & 400 TPH from the mine lease area of 231.25 ha, located at Villages Nalag, Bhaterrh Uprali, Barmana, Jamthal, Dhawan Kothi, Baloh & Panjgain, Tehsil Sadar, District Bilaspur, Himachal Pradesh with the following additional conditions: -

- i. The Project Proponent needs to submit the risk assessment and hazard management report along with the EIA/EMP report which must particularly focus on the control and mitigation measures to be taken during the mining activities keeping in mind that the mine lease area falls in Seismic Zone-V as per IS-1893 (Part-1)-2002 and is at Highest Risk Zone.
- ii. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for peak total excavation for assessing air and noise pollution.
- iii. The Project Proponent needs to submit the scenario of additional pollution load in terms of air quality, noise level, ground vibration and traffic density due to mining of Shale and Quartzite and accordingly mitigation measures shall be proposed in the EIA/EMP report.
- iv. The Project Proponent needs to clearly bring out the end use of the Shale and Quartzite and it's transportation route from source to the destination and the MoU signed with the consumers.
- v. The Project Proponent needs to submit the penalty provisions as per Ministry's SOP dated 07.07.2021 at the time of appraisal of EC.
- vi. The Project Proponent needs to submit the Certified Compliance Report (CCR) by the Ministry's Integrated Regional Office at the time of appraisal of EC as per Ministry's OM F.No. IA3-22/10/2022-IA.III [E 177258] dated 08.06.2022.
- vii. The Project Proponent needs to submit the District Survey Report (DSR) as per Ministry's notification S.O 3611 (E) dated 25th July, 2018.
- viii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.
- ix. The Project Proponent needs to submit the status of court case at the time of appraisal of EC.
- x. All other terms and conditions mentioned in the TOR letter dated 25.01.2021 shall remain unchanged.

2.5 Kunteshu Decorative Stone (Garnetiferous Granite Gneiss) mine of M/s Nemani Ramakrishna for mining of Decorative Stone in the mine lease area of 13.703 Ha (33.86 Acres) with production capacity of 6240 TPA (2400 m³ /annum)

located at village Kunteshu No.52, under Tehsil: Bandhugaon, District: Koraput, Odisha - Reconsideration of Environmental Clearance (EC)[File. No: IA-J-11015/3/2021-IA-II(M), Proposal No: IA/OR/MIN/191282/ 2021; Consultant: Kalyani Laboratories Private Limited]

The proposal of M/s Nemani Ramakrishna is for mining of Decorative Stone in Kunteshu mine with production capacity of 2400 m³/annum over an area of 13.703 ha (33.86 Acres), located at Village Kunteshu No.52, under Tehsil: Bandhugaon, District: Koraput, Odisha. The mine lease area is located between Latitude 18°59'36.09" N to 18°59'59.80"N and Longitude 83°17'41.90" to 83°17'52.90"E. The mine lease area falls under the Survey of India Toposheet No: 65M/8 (E44F8) and falls in Seismic Zone-III. The Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth.

2. M/s Nemani Ramakrishna has made an online application vide proposal no. IA/OR/MIN/191282/2021 dated 01.01.2022 along with Form 2 and EIA Report under the provisions of EIA Notification, 2006. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the interstate boundary of Odisha-Andhra Pradesh is located about ~1.5 km, SE from the mine lease boundary.

3. The proposal was earlier considered in the 45th EAC (Non-Coal Mining) meeting held during 24th, 25th and 27th January, 2022. During the meeting, the Committee noted that the instant proposal is for mining of Decorative Stone which is a minor mineral and hence District Survey Report (DSR) is mandatory as per Ministry's Notification S.O. 3611(E) dated 25.07.2018 and the same has not been submitted by the PP. The Committee also noted that the PP obtained the Letter of Intent (LOI) for grant of mining lease vide Lr.no. 6538/IV (DS) SM-03/2019/ S&M, Bhubaneswar dated 05.09.2019 for a period of 30 years over an area of 13.703ha and the Letter of Intent (LOI) was only valid for a period of 6 months from the date of issue and PP has not submitted any further extension of validity of Letter of Intent (LOI), Grant of Mining lease and lease deed execution in the Parivesh portal. The Committee opined that valid lease document is the basis for considering the proposal and in the instant proposal PP has no valid mine lease document in support of the fact that Proponent is the rightful lessee of the mine as on date. Thus, the Committee was of the view that the proposal cannot be considered in the present form and therefore the Committee deferred the proposal for want of requisite information. Then, the proposal was delisted on 09.05.2022 from the PARIVESH portal and the project proponent again relisted the proposal on 27.05.2022 and submitted the information in PARIVESH on 30.05.2022. Accordingly, the proposal was reconsidered in the 52nd EAC (Non-Coal Mining) held during 14th – 15th June, 2022.

Based on observation of EAC and compliance of observation of EAC made by PP, the following are detailed below:

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

S. No	Observation of EAC	Reply by Project Proponent
1	<p>The Project Proponent needs to submit the valid mine lease document in support of the fact that Proponent is the rightful lessee of the mine. PP also needs to submit the copy of extension of Lol issued after 05.09.2019, Grant of Mining lease and lease deed execution in the PARIVESH portal.</p>	<p>Project Proponent submitted the Letter from Government of Odisha vide Lr.No 1375/SM-MC2-MC-0047-2020/SM, Bhubaneswar dated 15.02.2022 stating <i>that the Government have been pleased to allow further period of 6 months prospectively from the date of issue of this order for submission of compliance as stipulated in Terms & Condition (Letter of Intent) issued by this Department vide its letter No. 6538/SM dated 05.09.2019 for grant of mining lease.</i></p>
2	<p>As per the sub section (4) of the section 4A of MMDR Act,1957 as amended on 28.03.2021 <i>“where the Central Government has communicated previous approval as required under sub-section (1) of section 5 for grant of a mining lease, or if a letter of intent (by whatever name called) has been issued by the State Government to grant a mining lease, before the commencement of the Mines and Minerals (Development and Regulation) Amendment Act, 2015, the mining lease shall be granted subject to fulfilment of the conditions of the previous approval or of the letter of intent within a period of two years from the date of commencement of the said Act”</i>. PP needs to submit the letter regarding current status of the mine lease from the State Government.</p>	<p>Project Proponent submitted that this is a new mines and the Letter of Intent (Lol) for grant of mining lease for a period of 30 years vide Lr. No 6538/IV (DS) SM-03/2019/S&M, Bhubaneswar dated 05.09.2019. PP also submitted the extension of Letter of Intent (Lol) issued by the Government of Odisha vide Lr.No 1375/SM-MC2-MC-0047-2020/SM, Bhubaneswar dated 15.02.2022 stating <i>that the Government have been pleased to allow further period of 6 months prospectively from the date of issue of this order for submission of compliance as stipulated in Terms & Condition (Letter of Intent) issued by this Department vide its letter No. 6538/SM dated 05.09.2019 for grant of mining lease.</i></p>
3	<p>The Project Proponent needs to submit the normative and peak total excavation in tonnes including mineral, overburden, inter-burden, waste, top soil, rejects etc. to be handled annually and the management of topsoil and waste needs to be properly addressed. The mineable</p>	<p>Project Proponent submitted that total excavation is 0.0312 MTPA (Decorative Stone: 0.00624 MTPA + Non-Saleable Ore: 0.001560 MTPA + Waste: 0.0234 MTPA).</p> <p>PP also submitted that the lease area is exposed rock mass and hence no top soil will be generated during the process of</p>

	<p>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.</p>	<p>mining operation.</p> <p>Further, PP submitted that during the plan period of five years total volume of decorative stone will be 11,960 m³, total volume of presently non saleable stone will be 2,990 m³ and total volume of waste will be 44,850 m³. The waste will be utilized concurrently for construction and maintenance of road in the mine lease area. For temporary storing of these wastes, an area of 0.423 Ha has been earmarked in the southern part of the mining lease area. The waste generated during successive years will be utilized as construction material and sold to the crusher units after obtaining permission from the competent authority.</p> <p>During the conceptual period the quarry area of 12.473 Ha will be converted to water reservoir. The waste boulders will be utilized for construction of retaining wall along the boundary of the reservoir. Plantation will be carried out along the quarry boundary. The dumping and mineral storage area will be covered under plantation.</p>
<p>4</p>	<p>The Project Proponent needs to submit the District Survey Report (DSR) as per Ministry's notification S.O 3611 (E) dated 25th July, 2018.</p>	<p>Project Proponent submitted the District Survey Report as per Ministry's Notification S.O 141 (E) dated 15.01.2016 & S.O 3611 (E) dated 25.07.2018 prepared with collective effort of DEIAA, Koraput, Mineslab Services Pvt. Ltd & P and M Solution on April, 2022.</p> <p>PP also submitted the proceeding of meeting of District Level Environment Impact Assessment Authority (DEIAA), Koraput under the Chairmanship of Collector, Koraput on 27.04.2022 at 10.30 AM in the conference hall of Skill Development centre for finalization of District Survey Report. After due discussion in this regard, the District Survey Report of Koraput District on Stone</p>

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

		quarry, Murrom quarry and Sand beds are unanimously approved. The Collector suggested to send the approved District Survey Report to all concerned.
5	The Project Proponent needs to submit the copy of the letter issued by the Divisional Forest Officer (DFO), Koraput Forest Division vide Lr.No.4882/dated 03.10.2017 in the PARIVESH portal.	Project Proponent has not submitted the copy of the letter issued by the Divisional Forest Officer (DFO), Koraput Forest Division vide Lr.No.4882/dated 03.10.2017 in the PARIVESH portal.
6	The Project Proponent should submit list of Schedule – I species present in the lease area authenticated by PCCF and the status of the National Park/Wildlife Sanctuary, Biosphere Reserve/ Tiger Reserve/Elephant Reserve/ any other Reserve, Habitat for migratory birds, Corridor for animals within 10 km of the mine lease area.	<p>Project Proponent submitted the authenticated list of Floral and Faunal composition in the core and buffer zone issued by the Office of the Divisional Forest Officer-Cum-Wildlife Warden, Koraput Forest Division vide letter no 2324 dated 06.05.2022 wherein 3 (three) Schedule-I species are reported in the buffer zone namely Bengal Monitor Lizard, Russel's Viper and Shikra.</p> <p>Project Proponent also submitted the letter from the Office of the Divisional Forest Officer-Cum-Wildlife Warden, Koraput Forest Division vide letter no 2324 dated 06.05.2022 stating that there is <i>no any National Park, Sanctuary, Biosphere Reserve, Wildlife Corridor present within 10 km radius of the project area</i>. PP also submitted the map around 10 km radius authenticated by Divisional Forest Officer, Koraput Forest Division.</p>
7	The Project Proponent needs to submit the complete Mining Plan in the PARIVESH portal.	Project Proponent has submitted the complete Mining Plan in the PARIVESH portal.
8	The Project Proponent needs to submit the Affidavit as per Ministry's O.M No 3-50/2017-IA.II(M) dated 30.05.2018.	Project Proponent submitted that this is a new mine and as per the certificate obtained from the Mining Officer, no mining activities has been carried out by the lessee till date. Hence, the Ministry's O.M No 3-50/2017-IA.II(M) dated 30.05.2018 is not applicable for this lease.
9	The Project Proponent needs to submit the Authorization letter in the PARIVESH portal.	Project Proponent submitted a declaration stating that <i>"I Sri Nemani Ramakrishna is the lessee for Kuteshu Decorative stone</i>

		<i>mines over an area of 13.703 ha located in village Kunteshu, Koraput District, Odisha. I am herewith applying for the Environmental clearance of the above said mines”.</i>
--	--	--

3. The EAC deliberated on the additional details submitted by the Project Proponent and noted that the PP has not submitted the copy of the letter issued by the Divisional Forest Officer (DFO), Koraput Forest Division vide Lr.No.4882/dated 03.10.2017 in the PARIVESH portal. However, during the EAC meeting, PP has shown the DFO letter dated 03.10.2017 wherein it was mentioned that the mine lease area does not attract any provisions of Forest Conservation Act, 1980 and thereafter, PP vide email dated 15.06.2022 submitted the same.

The EAC noted that the PP has submitted the copy of the proceeding of meeting of District Level Environment Impact Assessment Authority (DEIAA), Koraput held under the Chairmanship of Collector, Koraput on 27.04.2022 at 10.30 AM in the conference hall of Skill Development centre for finalization of District Survey Report. After due discussion in this regard, the District Survey Report of Koraput District on Stone quarry, Murrom quarry and Sand beds are unanimously approved. The Collector suggested to send the approved District Survey Report to all concerned. The EAC was of the view that as on date, District Level Environment Impact Assessment Authority (DEIAA) is not in existence. The EAC also highlighted the Hon'ble NGT order dated 11.12.2018 in the matter of Vikrant Tongad versus Union of India in O.A No. 520/2016 wherein it has mentioned that *“Notification dated 15.01.2016 having not being stayed, the same be followed. This interpretation is clearly contrary to the order of this Tribunal disapproving the Notification dated 15.01.2016 and requiring the same to be revised. The direction that 15.01.2016 should still be acted upon is clearly illegal and in violation of judgment of this Tribunal. The same will stand suspended till a fresh Notification is issued by the MoEF&CC as directed hereinabove”*. The EAC was of the view that meeting of District Level Environment Impact Assessment Authority (DEIAA), Koraput held under the Chairmanship of Collector, Koraput on 27.04.2022 is a violation of the Hon'ble NGT order dated 11.12.2018. Thus, the EAC opined that the District Survey Report (DSR) shall be approved by the State Environmental Impact Assessment Authority (SEIAA) as per Ministry's notification S.O 3611 (E) dated 25th July, 2018.

The EAC was of the view that the Project Proponent has carried out the air quality modeling for 98 Percentile Value only for parameter PM₁₀ and not for the worst-case scenario and other parameters such as PM_{2.5}, SO₂ and NO_x. The EAC also noted that the air quality modeling has been carried out for normative production only.

The EAC also noted that the Project Proponent informed that there is no Schedule-I species in the study area of 10 km radius. But as per the authenticated list of Floral and Faunal composition in the core and buffer zone issued by the Office of the Divisional Forest Officer-Cum-Wildlife Warden, Koraput Forest Division vide letter no 2324 dated 06.05.2022 it has been found that three Schedule-I species are reported in the buffer zone namely Bengal Monitor Lizard, Russel's Viper and Shikra which is contradictory. Hence, the PP needs to prepare the Wildlife Conservation Plan for the identified Schedule-I species and shall submit the proof of submission of Wildlife Conservation Plan to the Chief Wildlife Warden.

Thus, the EAC was of the view that the Consultant were not able to bring out the technical details and the performance of the consultant was not satisfactory and further the EAC asked the Consultant to revise the technical presentation. Based on the above discussions and detailed deliberations, the EAC **deferred** the proposal and opined that the proposal may be considered only after submission of following additional information: -

- i. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated peak total excavation for assessing air and noise pollution by considering sudden shortage of working days.
- ii. The Project Proponent needs to carry out the air quality modeling for the worst-case scenario for parameters such as PM₁₀, PM_{2.5}, SO₂ and NO_x. PP should indicate the peak production capacity considered for predication of air quality modeling for point source, area source and line source. The control case and worst-case scenario needs to be demonstrated with controlling factor and GLCs values for all the pollutants needs to be clearly mentioned. The input parameters used for the modeling also needs to be submitted. PP also needs to provide the comparative of the emission rates using USEPA and Indian School of Mines.
- iii. The Project Proponent submitted that Letter of Intent (Lol) for grant of mining lease for a period of 30 years vide Lr. No 6538/IV (DS) SM-03/2019/S&M, Bhubaneswar dated 05.09.2019 and is valid for a period of 6 months from the date of its issuance. Thereafter, the PP vide letter dated 15.02.2022 submitted the extension of Letter of Intent (Lol) stating *that the Government have been pleased to allow further period of 6 months prospectively from the date of issue of this order for submission of compliance as stipulated in Terms & Condition (Letter of Intent) issued by this Department vide its letter No. 6538/SM dated 05.09.2019 for grant of mining lease.* Hence, PP needs to

clarify whether any extension of Letter of Intent obtained between 2019-20 to 2021-22 and if any shall submit the proof of the same.

- iv. The Project Proponent needs to submit the District Survey Report (DSR) approved by the State Environmental Impact Assessment Authority (SEIAA) as per Ministry's notification S.O 3611 (E) dated 25th July, 2018.
- v. The Project Proponent needs to prepare the Wildlife Conservation Plan for the identified Schedule-I species and shall submit the proof of submission of Wildlife Conservation Plan to the Chief Wildlife Warden.
- vi. The Project Proponent needs to submit the copy of the DFO letter dated 03.10.2017 submitted vide email dated 15.06.2022 in the PARIVESH portal.
- vii. The Project Proponent needs to submit the Affidavit as per Ministry's O.M No 3-50/2017-IA.II(M) dated 30.05.2018.

2.6 Amendment in existing Environmental Clearance vide letter dated 27.04.2022 w.r.t. life of mine of M/s. UltraTech Cement Ltd for Sitapuri Limestone Mine for expansion of production capacity of Limestone from 3.66 Million TPA to 6.20 Million TPA, Soil: 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 located at Villages: Sitapuri, Udiyapura, Borlai, Avaral, Andiyav & Chirakhan, Tehsil: Manawar, District: Dhar, Madhya Pradesh - Amendment in EC

**[File. No: J-11015/442/2013-IA-II(M), Proposal No: IA/MP/MIN/ 274340/2022;
Consultant: J M EnviroNet Pvt. Ltd.]**

The proposal is for amendment in existing Environmental Clearance (EC) vide letter dated 27.04.2022 w.r.t. life of mine of M/s. UltraTech Cement Ltd for Sitapuri Limestone Mine for expansion of production capacity of Limestone from 3.66 Million TPA to 6.20 Million TPA, Soil: 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 located at Villages: Sitapuri, Udiyapura, Borlai, Avaral, Andiyav & Chirakhan, Tehsil: Manawar, District: Dhar, Madhya Pradesh. The mine lease area is 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.

2. The Project Proponent has submitted an online application vide proposal no: IA/MP/MIN/274340/2022 dated 25.05.2022 and submitted Form-4 under the provisions of EIA Notification, 2006. 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 250 ha and appraised at Central level.

3. The Project Proponent obtained Environmental Clearance vide letter dated 27.04.2022 for mining of limestone in Sitapuri Limestone mine for expansion of production capacity of Limestone from 3.66 Million TPA to 6.20 Million TPA, Soil: 0.52 Million TPA, OB/SB/IB: 4.48 Million TPA (Total Excavation: 11.20 Million TPA) along with expansion in Crusher Capacity from 1200 TPH to 1800 TPH within the mine lease area of 965.0 ha, located at Villages: Sitapuri, Udiyapura, Borlai, Avaral, Andiyav & Chirakhan, Tehsil: Manawar, District: Dhar, Madhya Pradesh wherein it was specifically mentioned that in specific condition (i). *The Environmental Clearance will be valid for 19 years from the date of initial grant of EC letter dated 30.12.2015 as the life of the mine is 19 years.*

4. Now, the Project Proponent requested to amendment that the Environmental Clearance will be valid for 20 years from the date of grant of EC letter dated 27.04.2022 as the life of mine is 20 years. PP also submitted that the EC letter dated 30.12.2015 was obtained for the life of mine for 19 years on the basis of 65.66 million tonnes of mineable reserves at maximum production capacity @ 3.66 Million TPA and now the reserves are increased from 65.66 million tonnes to 118.81 million tonnes and the life of mine calculated for 118.81 million tonnes reserves @ 6.20 million tonnes of limestone production capacity. PP requested for amendment as mentioned below: -

Reference of approved EC dated 27.04.2022	Description as per approved EC dated 27.04.2022	Amendment sought by Project Proponent
Specific Condition No. 1, Pg. No: 13	The Environmental Clearance will be valid for 19 years from the date of initial grant of EC letter dated 30.12.2015 as the life of mine is 19 years.	The Environmental Clearance will be valid for 20 years from the date of grant of EC letter dated 27.04.2022 as the life of mine is 20 years.

5. The EAC after detailed deliberations made by the Project Proponent and the Consultant noted that the instant proposal is for amendment in EC w.r.t. life of mine of 20 years from the date of issue of EC dated 27.04.2022.

The EAC noted that the PP initially obtained EC on 30.12.2015 for production capacity of 3.66 million TPA (ROM) of Limestone wherein it was specifically mentioned that in specific condition (i). *“EC is valid for 19 years as the life of the mine is 19 years”*. Thereafter, PP obtained the expansion of EC on 27.04.2022 for production capacity of Limestone from 3.66 Million TPA to 6.20 Million TPA and wherein it was specifically mentioned that in specific condition (i). *“The Environmental Clearance will be valid for*

19 years from the date of initial grant of EC letter dated 30.12.2015 as the life of the mine is 19 years”.

The EAC also noted that the PP informed that the EC letter dated 30.12.2015 was obtained for the life of mine for 19 years on the basis of 65.66 million tonnes of mineable reserves at maximum production capacity @ 3.66 Million TPA and thereafter the reserves are increased from 65.66 million tonnes to 118.81 million tonnes and the life of mine calculated for 118.81 million tonnes reserves @ 6.20 million tonnes of limestone production capacity and requested to amend the EC letter dated 27.04.2022 for the life of mine of 20 years from the date of grant of EC dated 27.04.2022.

Further, the EAC noted that the PP has informed that the life of the mine shall increase with detailed exploration in the G2 and G3 level exploration area within mine lease area during the plan period. It is likely that PP shall again approach Ministry to increasing in project life/mine after detailed exploration. Thus, the EAC of the view that the PP may submit the proposal at that time and further substantiate with supporting data and documents and therefore the EAC **returned the proposal in present form.**

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	14 th June 2022	15 th June, 2022
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	No	No
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	No	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	No	No
5	Shri Santosh Gupta	Flat No. 405, Block – B, Gaur Green Vista, NyayKhand -1, Indrapuram, Ghaziabad- 201014	Member	Yes	Yes
6	Dr. Asha Rajvanshi	B-104/106 rockvalley Apartments, General Mahadev Singh Road, SewlaChowk, Majra, Dehradun - 248001	Member	Yes	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes	Yes
8	Dr. A.K. Malhotra	House no. 33, Sector – 11, Dwarka. (Near Gate No. – 1 of sector 11 metro Station),	Member	Yes	Yes

Minutes for 52nd EAC meeting (Non-Coal Mining) held during 14th -15th June, 2022

		New Delhi – 110075.			
9	Prof. (Retd.) 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
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	Yes	Yes
11	Prof. (Retd.) MukeshKhare	House no.780, Sector- 21, Pocket-E, Gurugram, Haryana- 122016.	Member	Yes	Yes
12	Shri V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, MausamBhawan, Lodi Road, New Delhi – 110003	Member	No	No
13	Shri Pankaj Kulshrestha	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur - 440001	Member	No	No
14	Shri Ram Avatar Meena	Representative of DGMS	Member	No	No
15	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira ParyawaranBhawan, MoEF&CC, Jorbhag, New Delhi- 110003	Member Secretary	Yes	Yes
