

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

SUMMARY RECORD OF 2nd MEETING OF THE COMMITTEE OF THE RE-CONSTITUTION OF EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 2nd meeting of the Re-constitution of Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held on 16th - 18th August, 2022 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0) Deliberation & Circulation on the Minutes of 1st EAC meeting held during 27th – 29th July, 2022:

The minutes of 1st EAC meeting held during 27th – 29th July, 2022 were placed before the members of the Committee.

Day 1: 16th August, 2022 (Tuesday)

1.1 Kanakadripalli Limestone mine of M/s. The Ramco Cements Limited (TRCL) for mining of Limestone with proposed production capacity of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Top Soil: 0.013 MTPA + OB/Waste: 0.005 MTPA) in the mine lease area of 435.24 ha, located at Petnikota and Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh. – [Proposal No: IA/AP/MIN/89054/2018, F.No.J-11015/6/2019.IA-II(M); Consultant: B.S. Envi – Tech Pvt. Ltd] - Environmental Clearance – reg.

The instant proposal is for mining of Limestone in Kanakadripalli Limestone mine of M/s. The Ramco Cements Limited with proposed production capacity of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Top Soil: 0.013 MTPA + OB/Waste: 0.005 MTPA) in the mine lease area of 435.24 ha, located at Petnikota and Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh. The mine lease area is located between Latitude: 15°02'23.9"N-15° 04'13.1"N and Longitude: 78°03'31.3"E -78°04'54.5"E. The mine lease area falls under the Survey of India Toposheet No: 57I/4 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 has made an online application vide proposal no: IA/AP/MIN/89054/2018 dated 29.07.2022 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 of the schedule of the EIA Notification, 2006 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 Terms of Reference (ToR) are furnished as below:

Date of application	File No/ Proposal No	Consideration	Details	Date of accord
19.12.2018	IA-J- 11015/6/2019- IA-II(M) IA/AP/MIN/ 89054/2018	22-23 January, 2019	Terms of Reference (ToR) for M/s The Ramco Cements Limited for Total Excavation of 0.118 MTPA (Limestone: 0.1 MTPA + Top Soil: 0.013 MTPA + Over Burden /Waste: 0.005 MTPA) from Kanakadripalli Limestone mine (Mining lease area of 435.24 Ha)located at Petnikota & Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh.	13.12.2019

ii. Details of Mine Lease:

S. No	Lease particulars	Date of Grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Grant of mine lease in the name of M/s Madras Cements Limited vide Lr Memo no.	28.08.1998	Limestone	30 years	Govt. of Andhra Pradesh	435.24

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	13533/M.III(1)/98-2 subject to submission of approved mining plan within 6 months					
2	Initial grant of mining lease vide G.O.Ms. No. 136 in the name of M/s Madras Cements Limited. The lease shall be liable for cancellation, if the applicant company fails to establish a Cement Plant within 3 years period from the date of grant of mining lease.	15.02.2000	Limestone	30 years	Govt. of Andhra Pradesh	435.24
3	The mine lease deed was executed vide proceeding No.1336/M4/2000	09.08.2000	Limestone	30 years (09.08.2000 to 08.08.2030)	Govt. of Andhra Pradesh	435.24
4	Name Change from M/s Madras Cements Limited to M/s The Ramco Cements Limited vide GO Ms No. 96	13.10.2015	Limestone	30 years	Govt. of Andhra Pradesh	435.24
5	Extension time for establishing cement plant & commencing mining activity for	16.10.2015	Limestone	30 years	Govt. of Andhra Pradesh	435.24

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	period of 16.10.2015 to 13.10.2018 vide Memo no. 576/M.III (1)/2015					
6	Extension time for establishing cement plant & commencing mining activity upto 13.10.2021 vide Memo No. 510020/2018/A1-Mines.III.INDS	04.10.2018	Limestone	30 years	Govt. of Andhra Pradesh	435.24
7	Extension of mining lease for a period of 50 years vide G.O Ms No. 3	03.01.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24
8	The mine lease deed was executed vide proceeding no. 1336/M4/2000	26.03.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24
9	Supplementary lease deed for extension of mining lease made between the Govt. of Andhra Pradesh and M/s The Ramco Cements Ltd	26.03.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24
10	Extension of time for a further period of one year w.e.f. 12.04.2022 to establish the	01.03.2022	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	435.24

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

Cement Plant and commencement of mining operations i.e., upto 11.04.2023					
--	--	--	--	--	--

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

Private land	378.833 Ha (Own patta land) and 40.247 Ha (Patta land is under process of procuring)
Government waste land	16.16 Ha
Total Mining lease area (MLA)	435.24 Ha.

iv. Details of Mining Plan:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	Approved by Indian Bureau of Mines - AP/KNL/MP/LST-53/Hyd.
	Date	12.04.2022
	Mineral	Limestone
	Mine lease area	435.24 Ha
	Validity	2022-23 to 2024-25
Mining Parameters	Quantitative Description	
Method of Mining	Open Cast Mechanized mining adopting deep hole drilling and blasting.	
Mineable Reserves and Resources	88.28 MT	
Life of mine	882.8 years @0.10 MTPA (Mining Lease period – 50 Years up to 08.08.2050)	
Bench Height	8m	
Bench Width	8m and 20 m for working bench	
Individual bench slope	80°	
Overall pit slope	45°	
Drilling/Blasting	Drilling will be carried by Down the hole DTH (115 mm) diameter holes, conventional blasting	
RoM output size	50 mm	
Transportation details	The limestone will be transported to crusher located at Chintalayapalli Limestone Mine of TRCL initially through public road and thereafter by dedicated own	

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	corridor road which is about 4.08 km from mining lease boundary and then to Cement Plant through 5.33 km proposed belt conveyor.
Dumpers capacity	25 tonnes
Topsoil	The lease area is covered with a soil cap of 0.0 to 1.0m thickness. On an average the thickness is considered as 0.5 m. It is estimated that about 0.173 million cu.m of top soil will be generated during the lease period. The soil generated will be utilized for plantation in barrier zone.
Waste	The waste generation is estimated to be about 0.14 million tonnes during the lease period. This material will be stacked in temporary dump and will be backfilled at conceptual stage.
Depth of Mining	Depth of working is 15m for the lease period (Conceptual period) Ultimate depth of working is 46m bgl (282m RL) for life of mine
Groundwater table	Depth of Water table: 65 m – 80 m bgl
Intersection of Groundwater table	PP reported that the mining operations will not intersect ground water table.

v. Water requirement:

Total water requirement	50 m ³ /day	Fresh water	50 m ³ /day
		Treated water	-
Source	PP submitted that initially water will be supplied by Cement plant from Owk Reservoir and later rain water collected in the mine pit will be used.		
Permission	PP submitted the permission obtained from Water Resources Department, Govt of Andhra Pradesh for utilization of 2500 KLD of surface water from Owk Reservoir, vide Letter No.EE/SRBC Divn.No3/Owk/IWS/186 m dated 27/05/2019.		

vi. Nearest village/town/highway/railway station/water bodies/ monument/ mines/industries

Particulars	Particular's Name	Distance & Direction
Nearest Village	Kanakadripalli Village	0.07km, ESE
	Raghavarajupalle Village	Adjacent to the Mine, SE
Town	Kolimigundla	3.34 km, ENE

Highway	National Highway (NH-544D) - Anantapuramu – Amaravathi	0.07 km, S
Railway station	Tadiptri RS	17.34 km, SW
Water bodies	PeddaVanka	1.72 km, NNE
Archaeological Monument	Belum Caves	7.06 km, N
Nearest Mine Site	Petnikota Cement Limestone mine Chintalayapalli Limestone Mine UltraTech Limestone mine UltraTech Limestone New mine Gudipadu Limestone Mine (PCIL) Nayanapalle Limestone Mine Kolimigundal Limestone Mine Penna Talaricheruvu Limestone mine Penna Korumanipalli Limestone mine	0.63 km, E 1.71 km, SE 2.7 km, W 3.0 km, W 6.13 km, WNW 2.17 km, N 3.19 km, E 4.41 km, S 6.95km, SSE
Nearest Industries	UltraTech Cement Ltd The Ramco cements Ltd Penna Cement Industries Ltd Sagar Cements (R) Ltd APGENCO Solar Power Plant	5.0 km, WSW 6.28 km, ENE 9.67 km, S 8.0 km, W 5.39 km, SSW

vii. 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	PP submitted the letter obtained from the Principal Chief Conservator of Forests, Andhra Pradesh vide Letter No: PCCF-15030/2/2018-FCASEC/ PCCF-FCA-2 dated 04.11.2019 stating that the Limestone mining block in Kanakadripalli Block was demarcated with GPS survey (taken latitude, longitudes) and the Kanakadripalli Mining Block is located outside of the Reserve Forest. It is nearly 14.68 Km from Reddipalli Reserve Forest and 13.37 Km from Obulapuram Reserve Forest of Owk Beat of Banaganapalli

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

		Section, Dhone Range of Kurnool Division.
National Park	No	---
Wildlife Sanctuary	No	
Eco-Sensitive Zone (ESZ)	No	
Archaeological Monument	Belum Caves- 7.06 km, N	PP submitted the NOC obtained from the Office of the Commissioner, Archaeology and Museums, Vijayawada, Govt. of AP vide File No. YTC07-17034/44/2018-A SECTION-A&M dated 27.11.2018.
Schedule-I species	Black Buck and Peafowl were reported within 10 km radius of the project site.	PP submitted that the Wildlife Conservation plan for Schedule-1 species was prepared and approved by the Prl. Chief Conservator of Forests (WL) & Chief Wildlife Warden vide Rc.No. 9968/2018/WL-2(i) dated 07.11.2019. An approved amount of Rs 175.0 lakhs is already paid towards implementation of approved wildlife conservation plan. That includes for 4 Mining leases, the power plant & cement plant.

viii. Green belt/plantation details:

Proposed area for green belt/plantation	58.23 Ha
Total No. of saplings	87,345

Budget for green plant& plantation till the end of life of mine.	Capital Cost: Rs.185Lakhs Recurring Cost: Rs. 137 Lakhs
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier	16.34 Ha.
50 m safety zone of nallah, roads, electric lines	Safe Zone of Nala–24.29 Ha. Safe Zone of Power line – 17.60 Ha.
500 m safety zones of nearest habitation villages	-

ix. Baseline Details:

The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Post Season i.e., October to December, 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	October to December, 2021				
AAQ parameters at 8 locations	Pollutant	Min, µg/m ³	Max, µg/m ³	98 %le, µg/m ³	Standard, µg/m ³
	PM2.5	17.1	28.8	28.4	60
	PM10	45.2	60.1	59.7	100
	SO2	8.1	13.9	13.7	80
	NOx	9.2	15.2	14.9	80
AAQ modeling	Pollutant	Baseline Concentration, µg/m ³	Incremental Concentration, µg/m ³	Total GLC, µg/m ³	Standard
	PM10	59.7	11.0	70.7	100
	PM2.5	28.4	5.5	33.9	60
	SO2	13.7	0.2	13.9	80
	NOx	14.9	7.0	21.9	80
Noise level at 8 locations	Day Time: 52.4 to 54.8 Leq dB (A) Night Time: 41.7 to 44.4 Leq dB (A)				
Ground water quality at 7 locations	PP reported that the pH of the water samples were in the range of 6.78 - 7.18 indicating alkaline in nature. Total dissolved solids in the sample were 476 - 1030 mg/l. Total hardness as CaCO ₃ was found to be in the range 280-515 mg/l. Chlorides concentration was found to be in the range 25-180 mg/l. Fluoride concentration was found to be in the range 0.60-1.22 mg/l. Sulphates concentration was found				

	to be in the range 14-167 mg/l. Heavy metal concentrations in the samples were found to be Below Detectable limits. All parameters of ground water samples are well within the acceptable limits of IS 10500-2012 except for Total Dissolved Solids, Total Hardness, Calcium, Magnesium and Total Alkalinity. These parameters though above acceptable limits, they are well within the permissible limits.
Surface water quality at 4 locations	PP reported that pH of the surface water samples is in the range of 7.10 -7.74 indicates alkaline in nature. DO concentration was found to be in the range 5.5 – 5.8 mg/l. BOD concentration was found to be in the range 2 - 3 mg/l in all locations. COD concentration was found to be in the range 9 – 15 mg/l. Based on the CPCB five classifications for the inland surface water bodies, the monitoring results of Peddavanka and Mada Vagu were analyzed to identify suitability of the water. As observed, the pH is slightly alkaline, DO is found to be 5.5 to 5.8 mg/l and BOD is 2- 3 mg/l. This water falls under the category B and it can be used for outdoor bathing.
Soil quality at 8 locations	PP reported that pH of all samples indicate slightly alkaline. Most of the soil samples are loam. The Nutrient Nitrogen is more than sufficient, Potassium and Phosphorous are moderate and the soils show good fertility range based on NPK values. Organic carbon is less at few places and requires addition of manure. All Micro nutrients like Zinc, Copper and Manganese, when extracted were found to be sufficient. It is found that the soils are of good fertility and with minimum application of Fertilizers and Manure, the agricultural operations are normal and better yielding.
Traffic Survey	PP submitted that Traffic study has been carried out at State Highway (SH- 57) connecting Kolimigundla –Gooty Road near to Project site of Kanakadrialle Village and Itikala Ummayapalli Road near to road connecting State Highway of Itikala Village. The maximum trucks which would add to the existing traffic will be 4 trucks / hour (9 PCU/hr) due to the transportation of limestone from proposed mine site to the crusher located at Chinthalayaplli mine site. The Level of Service which is at present in A & B Category (Excellent & Very Good) will retain the same for respective roads.

x. Public Hearing (PH) Details:

Advertisement for PH with date	08.05.2022
Date of PH	08.06.2022 by Andhra Pradesh Pollution Control Board

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

Venue	Time: 3.00 PM at Mine Lease area, Petnikota (V), Kolimigundla (M), Kurnool (D), Andhra Pradesh.
Chaired by	Sri. B. Pullaiah, District Revenue Officer Nandyal District, A.P.
Main issues raised during PH	<ul style="list-style-type: none"> • Preference to be given for locals for Employment. • Management to carryout mining operations without causing air, water and noise pollution. • Management to develop the Green Belt programme in the project area surrounding villages and Avenue plantation. • Develop the infrastructure and improve the network of the roads in the surrounding villages. • Repair works in the Ramalayam temples • Supply of drinking water through RO plants to surrounding villages. • Requested Ramco to lay more pipelines for supply of water to Petnikota village. • Provide ambulance facility to the surrounding villagers. • Conduct the medical camps in the surrounding villages and distributing medicines with free of cost to the villagers. • Management to construct a primary health centre • Provide compound wall to Kanakadripalli school • Set up a library facility in surrounding villages • Provide a Sport Ground for surrounding villagers.
Budget proposed for addressing issues raised during PH	Rs.70.90 Lakhs

xi. Rehabilitation & Resettlement:

R & R details	The Project Proponent submitted that no R & R is involved. The proposed mining lease area is 435.24 ha. Out of this, 419.08 Ha is patta land (378.833 Ha patta land owned by PP& balance 40.247 Ha patta land yet to be purchased) and 16.16 ha. is Govt. land. PP will purchase balance required land of 40.247 Ha belonging to land owners required for
---------------	---

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	mining operation with mutual consent of mine owners. Compensation will be paid considering two times of the market price while purchasing the land. About Rs 13.0Cr is budgeted for Land acquisition which is part of capital cost.
--	---

xii. Court case details:

Court Case	The Project Proponent 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
------------	--

xiii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	Project Proponent submitted an Affidavit in an non-judicial stamp paper of Rs 100 bearing no CV 323076 dated 29.03.2022 stating that all the statutory requirements& judgment of Hon'ble Supreme Court dated 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India &Ors will be complied.
Project Proponent submitted an undertaking dated 20.07.2022	The Project Proponent submitted an undertaking to the effect that the conditions laid down in Terms of Reference (ToR) issued by MoEF&CC vide Lr No. J-11015/6/2019-IA.II(M) dated 13.12.2019 for Kanakadripalli Limestone Mine (ML area: 435.24 Ha.) which proposes Limestone production of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Topsoil: 0.013 MTPA + Overburden/Waste: 0.005 MTPA), located at Petnikota & Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh. The information and data submitted is factually correct and The Ramco Cements Limited owns the contents of the report.
Consultant submitted an undertaking dated 20.07.2022	The Consultant submitted an undertaking stating that the M/s B.S Envi-Tech Pvt Ltd has complied with all the prescribed Terms of Reference (TOR) issued by MoEF&CC in preparation of Final EIA Report for M/s The Ramco Cements Limited (Formerly known as

	Madras Cements Ltd) which proposes Limestone production of 0.10 MTPA with Total Excavation of 0.118 MTPA (Limestone: 0.10 MTPA + Topsoil: 0.013 MTPA + Overburden/Waste: 0.005 MTPA) from Kanakadripalli Limestone Mine (ML area: 435.24 Ha.) located at Petnikota & Itikyala Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh.
Plagiarism Certificate certified on 20.07.2022	The Head of the Accredited Consultant Organization/Authorized person certified that FEIA Report has been evaluated using online/inhouse software viz., 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.

xiv. Details of the EMP

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Dust Suppression Measures	35.0	71.0
Environmental Monitoring	25.0	313
Greenbelt development	185	137
Occupational Health Check up	5.0	31.7
Rainwater Harvesting Structures	5.0	27.9
Retaining wall	20.3	-
Pit fencing	6.77	-
Wild Life Conservation Plan	10	-
Total (Lakhs)	292.07	580.6

xv. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	3.6297
Project Cost	44.90
Employment	30 No.s

4. Observation and Recommendation of the Committee:

The EAC on viewing the KML file presented by the Project Proponent noted that there are two second order seasonal streams (nalas) are passing adjacent to the mining

lease area and join mada vagu near Kalvatata village. During the course of mining these streams will not be disturbed and safety zone of 50 m on either side of the nalas will be left and greenbelt will be developed. The Project Proponent also informed the EAC that there are two villages such as Raghavarajupalle village (adjacent to the mine, SE) and Kanakadripalli (0.07km, ESE) are found in the close proximity of the mine lease area. Further, the Project Proponent informed the EAC that there is no Reserve Forest/Protected Forest, National Parks and Wildlife Sanctuary within 10 km radius of the study area. PP also informed the EAC that the Kanakadripalli Limestone mines located at distance of 7.06 km, N from Belum Caves which comes beyond the limit of 300 m in all directions of the protected area of the monument and for the same NOC has been obtained from the Office of the Commissioner, Archaeology and Museums, Vijayawada, Govt. of AP vide letter dated 27.11.2018.

The EAC asked the Project Proponent to show the KML file of Nayanapalli Limestone mine of M/s. The Ramco Cements Limited in the same KML file and the PP informed that the distance from both of these mines is about 2.2 km. Further, the Project Proponent informed that there are totally four Limestone mines found in the vicinity of the mine lease area. The EAC asked the Project Proponent to project the KML files of four Limestone Mines. The EAC observed that there are four Limestone mines such as Kolimigundla Limestone Mine (0.6 MTPA), Chintalayapalli Limestone Mine (4.0 MTPA), Kanakadripalli Limestone Mine (0.1 MTPA) and Nayanapalli Limestone Mine (2.7 MTPA) with the combined production capacity of 7.4 MTPA. PP also informed that there is a Cement plant with proposed production of 3.15 MTPA Clinker & 2.0 MTPA Cement plant along with 50 MW (2x25 MW) Coal based Captive Thermal Power plant. Further, the EAC asked the Project Proponent that why there is a need to open this mine when already two mines are operating in that area. The Project Proponent informed the EAC that the Silica content of Chintalayapalli Limestone Mine and Kolimigundla Limestone Mine is high which needs to be blended. Further, PP informed that the detailed chemical analysis has been done for all these four Limestone stones and it was observed that for longer life of the Cement Plant it is essential to meet the requirement of Limestone from all these four mines for effective conservation of mineral. The EAC asked the Project Proponent to submit the detailed chemical analysis carried out for all these four mines with a proper justification that why there is a need to open this instant mine. The EAC noted that the total mine lease area is 435.24 ha, out of which only 17.67 ha will be utilized at the end of the conceptual plan period.

The EAC observed that the Project Proponent has initially obtained Letter of Intent on 28.08.1998 and thereafter the Project Proponent has obtained several extensions to establish a Cement Plant. The EAC opined that the Project Proponent needs to submit the present status of the mine lease area from the State Govt. with

specific reference to Section 4A, Termination of prospecting licences or mining leases of The Mines and Minerals (Development and Regulation) Act, 1957.

The EAC noted that the Project Proponent proposed to transport Limestone from Kanakadripalli Limestone mine (instant mine lease area) to the crusher located at Chintalayapalli Limestone Mine of M/s The Ramco Cements Ltd initially through public road there after by dedicated company own corridor road which is about 4.08 km from mining lease boundary and then to Cement Plant through 5.33 km proposed belt conveyor. The EAC also noted that there are crops/agriculture lands on either side of the limestone transportation route. The EAC opined that the Project Proponent needs to bring out the action plan for installing conveyor belt for transport of Limestone from Kanakadripalli Limestone mine (instant mine lease area) to the crusher located at Chintalayapalli Limestone Mine in order to reduce the environmental impact of transportation on the agriculture land.

The EAC also observed that there are old pits existing inside the mining lease area and the same needs to be investigated by the concerned mining department. The EAC was of the view that the certificate from the DMG to the effect that no mining activities have been carried out by PP in the said lease area needs to be submitted.

The EAC noted that the section showing the depth of mining and ground water table are not properly drawn and also scaling has been not done properly and the EAC asked the Project Proponent to submit the revised plan/section for the same.

The EAC observed that the Project Proponent has submitted the Approval of Wildlife Conservation Plan dated 07.11.2019 with a budget of Rs 175 lakhs which includes for 4 Mining leases, the power plant & cement plant. The EAC was of the view that the purchasing of vehicles should be discouraged in the budget proposed in the Wildlife Conservation Plan. The EAC asked the Project Proponent to distribute the same to other parameters covered in the conservation plan. It is also observed that the study area reportedly has a blackbuck population with their habitat containing scrubland, grasses and water bodies in the landscape including the mining lease area. It is also reported during public hearing about the road kills of blackbuck (wrongly mentioned as deer) in the landscape containing mining leases due to heavy vehicles moving on the roads in the area. The EAC was of the view that specific management interventions are required for blackbuck population in the study area including rescue and rehabilitation of animals under stress due to any activity related with mining and protection from feral dogs where ever fencing is proposed by the PP.

The EAC opined that the budget of Rs 70.90 Lakhs allocated to address the concerns raised during the public hearing is inadequate. The EAC asked the Project Proponent should specifically indicate the budget allocated for providing water pits for

wildlife, as the Peacock & Deer's are more found in this study area. The EAC also asked the Project Proponent to submit the employment scheme adopted for employment for 208 persons from the surrounding villages based on their educational qualification, eligibility criteria and skill during establishment of cement plant and mines.

The EAC was of the view that the Cost of the Environmental Management Plan (EMP) of Rs 2.92 Cr is inadequate and not acceptable. The EAC asked the Project Proponent to revisit the EMP cost. The EAC also noted that the instant mine lease area is 435.24 ha and the Project Proponent has submitted that the Project cost as Rs 44.90 Cr which is not convincing. Hence, the EAC asked the Project Proponent to submit the breakup of the Project Cost with proper estimation. Based on the above discussions held, the EAC **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the detailed chemical analysis carried out for all these four mines with a proper justification that why there is a need to open this instant mine when two mines are already operating in that area.
- ii. The Project Proponent needs to submit the present status of the mine lease from the State Government with specific reference to Section 4A, Termination of prospecting licences or mining leases of The Mines and Minerals (Development and Regulation) Act, 1957.
- iii. The Project Proponent submitted that the maximum value of PM₁₀ is 60.1 µg/m³ and 98 Percentile Value is of PM₁₀ is 59.7 µg/m³ and whereas Project Proponent has carried out Air Quality modeling for 98 Percentile Value. Hence, the Project Proponent needs to carry out the air quality modeling for worst case scenario (max.value) for all the parameters.
- iv. The Project Proponent needs to submit the action plan for installing and commencing the conveyor belt for transportation of Limestone from Kanakadripalli Limestone mine to the crusher located at Chintalayapalli Limestone Mine of M/s The Ramco Cements Ltd along with the timeline.
- v. The Project Proponent needs to justify that why only a small area of 17.67 ha will be utilized at the end of the conceptual plan period out of total mine lease area of 435.24 ha. PP also needs to submit the map demarcating the mineralized and non-mineralized zone in the mine lease area.
- vi. The Project Proponent submitted that at the end of the conceptual plan period an area of 17.67 will be under mining and an area of 351.79 ha will be unutilized at the end of the conceptual plan period whereas in Form 2, Project Proponent

submitted that the final Void of 377.01 (hectare) at a depth of 46 meter which is proposed to be converted into a Water Body which is contradictory. Hence, the Project Proponent needs to clarify the same.

- vii. The Project Proponent needs to submit the detailed measures taken for protection of Villages such as Raghavarajupalle village (adjacent to the mine, SE) and Kanakadripalli (0.07km, ESE) which are found in the close proximity of the mine lease area.
- viii. The Project Proponent needs to submit the revised plan/section with proper scaling showing the depth of mining and ground water table.
- ix. The Project Proponent needs to distribute the budget allocated for purchasing of vehicles in the Wildlife Conservation Plan to the other parameters covered in the Wildlife Conservation Plan. "Project Proponent should also specifically indicate management interventions along with budget allocation for blackbuck population in the study area including rescue and rehabilitation of animals under stress due to any activity related with mining and protection from feral dogs where ever fencing is proposed by the PP, duly approved by the Chief Wildlife Warden."
- x. The Project Proponent needs to revise the budget of public hearing to address the concerns raised during public hearing.
- xi. The Project Proponent needs to submit the employment scheme adopted for employment of 208 persons and 30 persons for this instant mine from the surrounding villages based on their educational qualification, eligibility criteria and skill during establishment of cement plant and mines.
- xii. The Project Proponent needs to submit the breakup of the Project Cost with proper estimation. PP also needs to submit the revised actionable EMP component wise for all components with capital investment and recurring expenses over a period of life of mine.
- xiii. The Project Proponent needs to submit the conservation plan for Black buck by mentioning the details of black buck population and the measures taken to prevent the road accidents in the study area.
- xiv. The Project Proponent needs to submit the list of Schedule – I species present in the study area duly authenticated by Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden and the status of National Park/Sanctuary, Biosphere

Reserve/Tiger Reserve/Elephant Reserve/any other Reserve, Habitat for migratory birds, Corridor for animals within 10 km of the study area.

- xv. The EAC noted that there are old pits existing in the mine lease area. Hence, the Project Proponent needs to submit the letter from the Department of Mines and Geology, Government of Andhra Pradesh clarifying whether any illegal mining within the mine lease area has been carried out or not, and whether the same has been carried out by PP (M/s The Ramco Cements Ltd) or not?
- xvi. The Project Proponent needs to submit the Possession Certificate from the Revenue Department, Govt. of Andhra Pradesh. The Project Proponent needs to submit the timeline for acquiring the remaining area of 40.25 ha.
- xvii. The Project Proponent needs to submit the action plan for providing the check dams in the nearby Villages along with the timeline and budget as committed by the Project proponent during the EAC meeting. PP also needs to submit the measures taken for protection of two second order seasonal streams (nalas) are passing adjacent to the mining lease area which joins mada vagu near Kalvatala village
- xviii. The Project Proponent needs to mention the validity of the permission obtained from Water Resources Department, Govt. of Andhra Pradesh for utilization of 2500 KLD of surface water from Owk Reservoir vide letter dated 27.05.2019.
- xix. Details of deployment of Mining equipment in the mines needs to be looked into.

1.2 Nayanapalli Limestone mine of M/s. The Ramco Cements Limited (TRCL) for mining of Limestone with proposed production capacity of 2.70 MTPA with Total excavation of 2.911 MTPA (Limestone: 2.70 MTPA + Top Soil: 0.211 MTPA) in the mine lease area of 735.72 ha, located at Kolimigundla and Petnikota Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh – [Proposal No: IA/AP/MIN/230981/2021, F.No. J-11015/95/2017.IA-II (M); Consultant: B.S. Envi – Tech Pvt. Ltd] - Environmental Clearance

The instant proposal is for mining of Limestone in Nayanapalli Limestone mine of M/s. The Ramco Cements Limited (TRCL) for mining of Limestone with proposed production capacity of 2.70 MTPA with Total excavation of 2.911 MTPA (Limestone: 2.70 MTPA + Top Soil: 0.211 MTPA) in the mine lease area of 735.72 ha, located at Kolimigundla and Petnikota Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh. The mine lease area is located between Latitude: 15°04'51.24875"N - 15°06'44.36631"N and Longitude: 78°03'35.27704"E - 78°06'23.60471"E. The mine

lease area falls under the Survey of India Toposheet No: 57I/4 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 has made an online application vide proposal no: IA/AP/MIN/230981/2021 dated 28.07.2022 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 of the schedule of the EIA Notification, 2006 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 Terms of Reference (ToR) are furnished as below:

Date of application	File No/ Proposal No	Consideration	Details	Date of accord
24.09.2021	J-11015/ 95/2017/IA.II(M) IA/AP/MIN/ 230981/2021	11-12 October, 2021	Terms of Reference (ToR) for M/s The Ramco Cements Limited for Total excavation of 2.911 MTPA (Limestone : 2.70 MTPA + Top Soil : 0.211 MTPA) in the mine lease area of 735.72Ha, located at Kolimigundla and Petnikota Villages, Kolimigundla Mandal, Kurnool District, Andhra Pradesh.	29.10.2021

ii. Details of Mine Lease:

S. No	Lease particulars	Date of Grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Initial grant of mining lease vide G.O.Ms. No. 137	15.02.2000	Limestone	30 years	Govt. of Andhra Pradesh	775.57

	in the name of M/s Madras Cements Limited. The lease shall be liable for cancellation, if the applicant company fails to establish a Cement Plant within 3 years period from the date of grant of mining lease.					
2	The mine lease deed was executed on 09.08.2000 between the Governor of Andhra Pradesh and M/s Madras Cements Limited	09.08.2000	Limestone	30 years (09.08.2000 to 08.08.2030)	Govt. of Andhra Pradesh	775.57
3	Name Change from M/s Madras Cements Limited to M/s The Ramco Cements Limited vide GO Ms No. 96	13.10.2015	Limestone	30 years	Govt. of Andhra Pradesh	775.57
4	Extension time for establishing cement plant & commencing mining activity for period of 16.10.2015 to 13.10.2018 vide Memo no. 576/M.III (1)/2015	16.10.2015	Limestone	30 years	Govt. of Andhra Pradesh	775.57

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

5	Extension time for establishing cement plant & commencing mining activity upto 13.10.2021 vide Memo No. 510020/2018/A1-Mines.III.INDS	04.10.2018	Limestone	30 years	Govt. of Andhra Pradesh	775.57
6	Extension of mining lease for a period of 50 years vide G.O Ms No. 6	03.01.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	775.57
7	The mine lease deed was executed vide proceeding no. 1335/M4/2000	26.03.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	775.57
8	Supplementary lease deed for extension of mining lease made between the Govt. of Andhra Pradesh and M/s The Ramco Cements Ltd	26.03.2019	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	775.57
9	Reduction of mine lease area from original grant vide G.O Ms No. 40	04.06.2021	Limestone	50 years (09.08.2000 to 08.08.2050)	Govt. of Andhra Pradesh	735.72
10	Deed of Rectification between the Govt. of Andhra Pradesh and M/s The Ramco	12.08.2021	Limestone	50 years (09.08.2000 to 08.08.2020)	Govt. of Andhra Pradesh	735.72

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	Cements Ltd					
11	Extension of time for further period of one year w.e.f. 12.04.2022 to establish the Cement Plant and commencement of mining operations i.e., upto 11.04.2023	01.03.2022	Limestone	50 years (09.08.2000 to 08.08.2020)	Govt. of Andhra Pradesh	735.72

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

Private land	561.46 Ha (Own patta land) and 31.34 Ha(Patta land is under process of procuring)
Government waste land	142.92 Ha
Total Mining lease area (MLA)	735.72 Ha.

iv. Details of Mining Plan:

Modified Mining Plan along with the Progressive Mine Closure Plan approved by Indian Bureau of Mines	Letter No.	AP/KNL/MP/LST-51/Hyd.
	Date	28.06.2021
	Mineral	Limestone
	Mine lease area	735.72
	Validity	2021-22 to 2024-25
Mining Parameters	Quantitative Description	
Method of Mining	Open Cast Mechanized mining adopting deep hole drilling and blasting.	
Mineable Reserves	229.998 million tonnes	
Life of mine	85.18 years @2.70 MTPA (Mining Lease period – 50 Years up to 08.08.2050)	
Bench Height	8m	
Bench Width	8m and 20 m for working bench	
Individual bench slope	80° to 85°	
Overall pit slope	45°	
Drilling/Blasting	Drilling will be carried by Down the hole DTH (115 mm) diameter holes, conventional blasting	
RoM output size	50 mm	
Transportation details	Limestone from the mine is transported by	

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	Tipplers/Dumpers to the crusher located at Cement Plant premises of TRCL initially through public road there after company own dedicated corridor road length of 3.5 Km from mine lease boundary.
Dumpers capacity	25 tonnes
Topsoil	The lease area is covered with a soil cap with 0.0 to 2.50 m thickness. On an average the thickness is considered as 1.00 m. Total generation of top soil will be 2.239 Million Tonnes by the end of lease period which will be utilized later for greenbelt development in 7.5m barrier zone all along the mining lease boundary and 50 m safety zone on either side of the nalas and powerline, 10 m safety zone on either side of the cart road and safety zone of 300m for village.
Waste	There will not be any waste or sub grade generation during the plan period and as well as for the entire life of mine.
Depth of Mining	48 m (Avg.) i.e. up to 230mRL.
Groundwater table	Depth of Water table: 65 m bgl
Intersection of Groundwater table	PP reported that the mining operations will not intersect ground water table.

v. Water requirement:

Total water requirement	100 m ³ /day	Fresh water	100 m ³ /day
		Treated water	-
Source	PP submitted that initially water will be supplied by Cement plant from Owk Reservoir and later rain water collected in the mine pit will be used.		
Permission	PP submitted the permission obtained from Water Resources Department, Govt of Andhra Pradesh for utilization of 2500 KLD of surface water from Owk Reservoir, vide Letter No.EE/SRBC Divn.No3/Owk/IWS/186 m dated 27/05/2019.		

vi. Nearest village/town/highway/railway station/water bodies/monument/ mines/ industries

Particulars	Particular's Name	Distance & Direction
Nearest village	Nayanipalle Village	0.03 km, South side of the Mine

	Petnikota Village Kolimigundla Village	Boundary. 0.31 km, SSW 0.39 km, SE
Town	Kolimigundla	0.39 km, N
Highway	National Highway (NH-544D) – Ananthapuram – Amaravathi	1.60 km, SSE
Railway station	Tadiptri RS	22.76 km, SW
Water bodies	Pedda Vanka	Adjacent to mine site
Archaeology Monument	Belum Caves	1.48 km, NE as per Archaeology dept.
Nearest Mines	Ultratech Limestone Mine Ultratech New Limestone mine PCIL Gudipadu Limestone Mine Sagar Gudipadu Limestone Mine Ramco Kanakadripalle ML Ramco Kolimigundal ML Ramco Chintalayapalle ML	5.46 km, SW 4.83 km, SW 7.53 km, W 5.95 km, W 2.09 km, S 1.31 km, SSE 4.15 km, S
Nearest Industries	UltraTech Cement Plant Ramco cement Plant Sagar Cements (R) Ltd	8.66 km, SW 2.65 km, E 8.18 km, WSW

vii. 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	PP submitted the letter obtained from the Office of the Principal Chief Conservator of Forests, Forest Department, Govt. of Andhra Pradesh vide Letter No:PCCF-15030/2/2018-FCASEC/PCCF-FCA-2 dated 11.05.2018 stating that the (3) Limestone mining blocks (i.e., Chintalayapalli Block, Kolimigundla Block & Nayanapalli Block) are demarcated with GPS survey and taken latitude, longitudes of the blocks. Further, the 3 blocks are outside the Reserve Forest and nearly 8 to 11 KM

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

		form Reddypalli Reserve Forest and Obulapuraam Reserve Forest in Owk Beat in Banaganapalle Section of Kurnool Division.
National Park	No	---
Wildlife Sanctuary	No	
Eco-Sensitive Zone (ESZ)	No	
Archaeological Monument	Belum Caves- 1.48 km, NE	PP submitted the NOC obtained from the Office of the Commissioner, Archaeology and Museums, Vijayawada, Govt. of AP vide File No. YTC07-17034/5/2022-H dated 05.05.2022 wherein it is specifically mentioned that the Project Proponent must maintain the distance of 1.5 km from Belum Caves to Mining area and followed in the mining lease by restricting the ground vibration levels at 2 mm/s to start with on a conservative approach till site specific studies are carried out.
Schedule-I species	Black Buck and Peafowl were reported within 10 km radius of the project site.	PP submitted that the Wildlife Conservation plan for Schedule-1 species was prepared and approved by the Prl. Chief Conservator of Forests (WL) & Chief Wildlife Warden vide Rc.No. 9968/2018/WL-2(i) dated 07.11.2019. An approved amount of Rs175 lakhs is already paid towards implementation of approved wildlife conservation plan. That includes for 4 Mining leases, the power plant & cement plant.

viii. Green belt/plantation details:

Proposed area for green belt/plantation	67.72 Ha
Total No. of saplings proposed	1,01,580
Budget for green plant & plantation till the end of life of mine.	Capital Cost: Rs.206.36 Lakhs Recurring Cost: Rs.198.97 Lakhs

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier	21.91 Ha.
50 m safety zone of nallah, roads, electric lines	Safe Zone of Road – 6.5 Ha. Safe Zone of Nala – 12.7 Ha. Safe Zone of Power line – 5.59 Ha.
300 m safety zones of nearest habitation villages	Safe Zone of Habitation -21.02 Ha.

ix. Baseline Details:

The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Post Season i.e., October to December, 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	October to December, 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	18.5	28.4	28.1	60
	PM10	45.2	57.3	56.2	100
	SO2	7.9	13.3	12.4	80
	NOx	9.0	14.3	13.8	80
AAQ modeling (Incremental GLC) – AERMOD Software	Pollutant	Baseline Concentration, µg/m ³	Incremental Concentration, µg/m ³	Total GLC, µg/m ³	Standard
	PM10	56.2	11.0	67.6	100
	PM2.5	28.1	4.3	32.4	60
	SO2	12.4	0.1	12.5	80
	NOx	13.8	6.4	20.2	80
Noise level at 9 locations	Day Time: 51.9 to 54.5 Leq dB (A) Night Time: 41.7 to 44.4 Leq dB (A)				
Ground water quality at 8 locations	PP reported that pH of the water samples were in the range of 6.90 - 7.30 which was alkaline in nature. Total dissolved solids in the sample were 476 - 1030 mg/l. Total hardness as CaCO ₃ was found to be in the range 280 – 560mg/l. Chlorides concentration was found to be in the range 25 - 198 mg/l. Fluoride concentration was found to be in the range 0.60 – 1.16 mg/l. Sulphates concentration was found to be in the range 14 - 184 mg/l. Heavy metal concentrations in the samples were found to be Below Detectable				

	limits (ex:- Zn -0.02 – 0.15 mg/l).All parameters of ground water samples are well within the acceptable limits of IS 10500-2012 except for Total Dissolved Solids, Total Hardness, Calcium, Magnesium and Total Alkalinity. These parameters though above acceptable limits, they are well within the permissible limits.
Surface water quality at 8 locations	PP reported that the pH of the surface water sample was observed slightly alkaline in nature. BOD varied from 2 - 3 mg/l, COD varied from 9 to 20 mg/l. The level of DO is varied from 5.4 to 5.9 mg/l. Based on the CPCB five classifications for the inland surface water bodies, the monitoring results of Peddavanka, Mada Vagu, SRBC canal and Owk Reservoir were analyzed to identify suitability of the water. As observed, the pH is slightly alkaline, DO is found to be 5.4 to 5.9 mg/l and BOD is 2 - 3 mg/l. This water falls under the category B and it can be used for the outdoor bathing
Soil quality at 9 locations	PP reported that PH of all samples indicates slightly alkaline. Most of the soil samples are clay loam. The Nutrient Nitrogen is more than sufficient, Potassium and Phosphorous are moderate and the soils show good fertility range based on NPK values. All Micro nutrients like Zinc, Copper and Manganese, when extracted were found to be sufficient. It is found that the soils are of good fertility and with minimum application of Fertilizers and Manure, the agricultural operations are normal and better yielding.
Traffic Survey	PP reported that Traffic study has been carried out on road connecting Tadipatri and Banaganapalle Highway Road with monitoring point at Kolimigundla Junction which covers the existing traffic load. Adequacy of road network has been assessed considering the present maximum traffic and total traffic (Present (69 trucks/hr) + additional traffic of TRCL (30 trucks/hr).The Level of Service which is at B Category (Very Good) will retain the same for respective road.

x. Public Hearing (PH) Details:

Advertisement for PH with date	08.05.2022
Date of PH	08.06.2022 by Andhra Pradesh Pollution Control Board
Venue	Mine Lease area, Petnikota (V), Kolimigundla(M), Kurnool (D), Andhra Pradesh.
Chaired by	Sri. B. Pullaiah, District Revenue Officer Nandyal District, A.P.

Main issues raised during PH	<ul style="list-style-type: none"> • Preference to be given for locals for Employment. • Management to carryout mining operations without causing air, water and noise pollution. • Management to develop the Green Belt programme in the project area surrounding villages and Avenue plantation. • Develop the infrastructure and improve the network of the roads in the surrounding villages. • Development of ancient old temple in Nayanapalli. • Supply of drinking water through RO plants to surrounding villages. • Provide ambulance facility to the surrounding villagers. • Conduct the medical camps in the surrounding villages and distributing medicines with free of cost to the villagers. • Management to construct a primary health centre and provide Covid Treatment assistance. • Set up a library facility in surrounding villages • Provide an education tutor for poor students from 5th class to intermediate to give guiding/coaching to them. • Development of school, class rooms with Wi Fi, Digital boards and distribution of tablets • Woman empowerment
Budget proposed for addressing issues raised during PH	Rs.65.8 Lakhs

xi. Rehabilitation & Resettlement:

R & R details	<p>The Project Proponent submitted that the proposed mining lease area is 735.72 Ha, out of which 592.80 Hais patta land (out of which 561.46 Ha owned by PP) and 142.92 Ha is Govt. land. The mining area is devoid of habitation. No rehabilitation or resettlement is proposed. PP has allowed the previous land owners to carry out the agricultural activities till the</p>
---------------	--

	<p>lands are put to use as a goodwill gesture and they have agreed to vacate the lands as and when the factory comes up. Further, PP has paid an additional amount of Rs. 0.75 Lakh per acre for all the lands purchased before 2008, through District Collector, Kurnool. Of the Patta land of 592.80 Ha, 561.46 Ha of patta land is purchased by paying suitable compensation based on mutual agreement with land owners. PP will purchase balance required land of 31.34 Ha (3.77 Ha of private patta Land and 27.57 Ha of Endowment land) belonging to land owners required for mining operation with mutual consent of Mine owners. Compensation will be paid considering two times of the market price while purchasing the land. About Rs 9.29 crores is budgeted for Land acquisition which is part of capital cost.</p>
--	--

xii. Court case details:

<p>Court Case</p>	<p>The Project Proponent 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</p>
-------------------	---

xiii. Affidavit/Undertaking details:

<p>Affidavit as per Ministry's OM dated 30.05.2018</p>	<p>Project Proponent submitted an Affidavit in a non-judicial stamp paper of Rs 100 bearing no CZ295679 dated 05.08.2022 stating that 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 will be complied.</p>
<p>Project Proponent submitted an undertaking dated 20.07.2022</p>	<p>The Project Proponent submitted an undertaking to the effect that the conditions laid down in Terms of Reference (ToR) issued by MoEF&CC vide Lr No. J-11015/95/2017-IA.II(M) dated 29.10.2021 for Nayanapalli Limestone Mine (ML area: 735.72 Ha.) which proposes Limestone production of 2.70 MTPA with Total Excavation of 2.911 MTPA (Limestone: 2.70 MTPA + Topsoil: 0.211 MTPA) located at</p>

	Kolimigundla & Petnikota Villages, Kolimigundla Mandal, Nandyal District, Andhra Pradesh. The information and data submitted is factually correct and The Ramco Cements Limited owns the contents of the report.
Consultant submitted an undertaking dated 20.07.2022	The Consultant submitted an undertaking stating that the M/s B.S Envi-Tech Pvt Ltd has complied with all the prescribed Terms of Reference (TOR) issued by MoEF&CC in preparation of Final EIA Report for M/s The Ramco Cements Limited (Formerly known as Madras Cements Ltd) Limestone production of 2.70 MTPA with Total Excavation of 2.911 MTPA (Limestone: 2.70 MTPA + Topsoil: 0.211 MTPA) in the mine lease area of 735.72 Ha, located at Kolimigundla & Petnikota Villages, Kolimigundla Mandal, Nandyal District, Andhra Pradesh.
Plagiarism Certificate certified on 20.07.2022	The Head of the Accredited Consultant Organization/ Authorized person certified that FEIA Report has been evaluated using online/in house software viz., 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.

xiv. Details of the EMP

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Dust Suppression Measures	35.0	74.0
Environmental Monitoring	25.0	372
Greenbelt development (including Bench Plantation upto HFL)	206.36	198.97
Occupational Health Check up	5.0	33
Rainwater Harvesting Structures & Garland Drain	10	40.2
Wild Life Conservation Plan	10	-
Total (Lakhs)	291.36	718.17

xv. Details of project cost and employment:

Particulars	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	3.5716 (Including PH Commitments)
Project Cost	28.46
Employment	69 No.s

4. Observation and Recommendation of the Committee:

The EAC on viewing the KML file presented by the Project Proponent noted that Nayanipalle Village is located at a distance of 0.03 km, S from the mine lease area and Pedda Vanka is flowing adjacent to the mine lease area. Project Proponent also informed the EAC that there is no forest land involved in the mine lease area and also there is no National Park, Wildlife Sanctuary within 10 km radius of the study area.

The EAC also noted that there is a Belum Cave located at a distance of 1.48 km, NE from the mine lease area wherein the Project Proponent obtained the NOC from the Office of the Commissioner, Archaeology and Museums, Vijayawada, Govt. of AP vide letter dated 05.05.2022 stating that the Project Proponent must maintain the distance of 1.5 km from Belum Caves to mining area and followed in the mining lease by restricting the ground vibration levels at 2 mm/s to start with on a conservative approach till site specific studies are carried out. The EAC asked the Project Proponent about the quantity of tonnage per blast and the no. of blasts proposed per day. Project Proponent informed the EAC that 9000 TPD proposed to be blasted in a single blast. The EAC opined that the proposal of blasting 9000 TPD should be looked into. Further, the EAC noted that the Primary School is located at a distance of about 500m on the SW from the mine lease area. The EAC asked the Project Proponent to submit the strength of the primary school, school timings, time and frequency of blasting and measures taken to protect the school from blasting activity.

The EAC observed that the Project Proponent has been initially granted mining lease on 15.02.2000 and thereafter the Project Proponent has obtained several extensions to establish a Cement Plant. The EAC opined that the Project Proponent needs to submit the present status of the mine lease area from the State Govt. with specific reference to Section 4A, Termination of prospecting licences or mining leases of The Mines and Minerals (Development and Regulation) Act, 1957.

The EAC noted that the Project Proponent proposed to transport the Limestone from Nayanapalli Limestone mine to the crusher located at Cement Plant of M/s The Ramco Cements Ltd by Tippers/Dumpers initially through public road and thereafter by company own dedicated corridor road length of 3.5 Km from mine lease boundary. The EAC opined that the Project Proponent needs to bring out the action plan for installing

crusher in the mining lease area and transport crushed limestone from mines to Cement Plant in order to reduce the impact of transportation on surrounded single crop agricultural land.

The EAC also observed that there are old pits existing inside the mining lease area and the same needs to be investigated by the concerned mining department. The EAC was of the view that the certificate from the DMG to the effect that no mining activities have been carried out by PP in the said lease area needs to be submitted.

The EAC observed that the Project Proponent has submitted the Approval of Wildlife Conservation Plan dated 07.11.2019 with a budget of Rs 175.0 lakhs which includes for 4 Mining leases, the power plant & cement plant. The EAC was of the view that the purchasing of vehicles should be discouraged in the budget proposed in the Wildlife Conservation Plan. The EAC asked the Project Proponent to distribute the same to other parameters covered in the conservation plan.

The EAC opined that the budget of Rs 65.80 Lakhs allocated to address the concerns raised during the public hearing is inadequate. The EAC asked the Project Proponent should specifically indicate the budget allocated for providing water pits for wildlife, as the Peacock & Deer's are more found in this study area. The EAC also asked the Project Proponent to submit the employment scheme adopted for employment for 208 persons from the surrounding villages based on their educational qualification, eligibility criteria and skill during establishment of cement plant and mines.

The EAC was of the view that the Cost of the Environmental Management Plan (EMP) of Rs 2.91 Cr is inadequate and not acceptable. The EAC asked the Project Proponent to revisit the EMP cost. The EAC noted that the instant mine lease area is 735.72 ha and the Project Proponent has submitted that the Project cost as Rs 28.46 Cr. Further, the EAC noted that the Project Proponent has submitted the Project cost of Kanakadripalli Limestone mine as Rs 44.90 Cr whereas the mine lease area is 435.24 ha. The EAC not agreed with the submission of the inappropriate Project cost. Hence, the EAC asked the Project Proponent to submit the breakup of the Project Cost with proper estimation. Based on the above discussions held, the EAC **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the detailed chemical analysis carried out for all these four mines with a proper justification that why there is a need to open this instant mine when two mines are already operating in that area.
- ii. The Project Proponent needs to submit the present status of the mine lease from the State Government with specific reference to Section 4A, Termination of

prospecting licences or mining leases of The Mines and Minerals (Development and Regulation) Act, 1957.

- iii. The Project Proponent submitted that the maximum value of PM₁₀ is 57.3 µg/m³ and 98 Percentile Value is of PM₁₀ is 56.2 µg/m³ and whereas Project Proponent has carried out Air Quality modeling for 98 Percentile Value. Hence, the Project Proponent needs to carry out the air quality modeling for worst case scenario (max.value) for all the parameters.
- iv. The Project Proponent needs to submit the action plan for installing crusher in the Nayanapalli Limestone mine and convey crushed limestone to the cement plant of The M/s Ramco cements Ltd by installing conveyor belt from mines to cement plant conveyor belt along with the timeline.
- v. The Project Proponent needs to submit the detailed measures taken for protection of Villages such as Nayanipalle Village (0.03 km, S), Petnikota Village (0.31 km, SSW) and Kolimigundla Village (0.39km, SE) which are found in the close proximity of the mine lease area. PP also needs to submit the measures taken for protection of Pedda Vanka which is flowing adjacent to the mine lease area.
- vi. The Project Proponent needs to submit the design of blasting of 9000 TPD in phases.
- vii. The Project Proponent needs to submit the strength of the primary school, school timings, time and frequency of blasting and measures taken to protect the school from blasting activity.
- viii. The Project Proponent needs to revise the budget of public hearing to address the concerns raised during public hearing.
- ix. The Project Proponent needs to distribute the budget allocated for purchasing of vehicles in the Wildlife Conservation Plan to the other parameters covered in the Wildlife Conservation Plan. "Project Proponent should also specifically indicate management interventions along with budget allocation for blackbuck population in the study area including rescue and rehabilitation of animals under stress due to any activity related with mining and protection from feral dogs where ever fencing is proposed by the PP, duly approved by the Chief Wildlife Warden."
- x. The Project Proponent needs to submit the employment scheme adopted for employment for 208 persons and 69 persons for this instant mine from the

surrounding villages based on their educational qualification, eligibility criteria and skill during establishment of cement plant and mines.

- xi. The Project Proponent needs to submit the breakup of the Project Cost with proper estimation. PP also needs to submit the revised actionable EMP component wise for all components with capital investment and recurring expenses over a period of life of mine.
- xii. The EAC noted that there are old pits existing in the mine lease area. Hence, the Project Proponent needs to submit the letter from the Department of Mines and Geology, Government of Andhra Pradesh clarifying whether any illegal mining within the mine lease area has been carried out or not, and whether the same has been carried out by PP (M/s The Ramco Cements Ltd) or not?
- xiii. The Project Proponent needs to submit the list of Schedule – I species present in the study area duly authenticated by Principal Chief Conservator of Forests (WL) & Chief Wildlife Warden and the status of National Park/Sanctuary, Biosphere Reserve/Tiger Reserve/Elephant Reserve/any other Reserve, Habitat for migratory birds, Corridor for animals within 10 km of the study area.
- xiv. The Project Proponent needs to submit the Possession Certificate from the Revenue Department, Govt. of Andhra Pradesh. The Project Proponent needs to submit the timeline for acquiring the remaining area of 31.34 ha.
- xv. The Project Proponent needs to mention the validity of the permission obtained from Water Resources Department, Govt. of Andhra Pradesh for utilization of 2500 KLD of surface water from Owk Reservoir vide letter dated 27.05.2019.

1.3 Amendment in EC's dated 30.07.2020 and 05.08.2021 for extension of validity of Environmental Clearance for further period of 3 years w.e.f 05.08.2022 to sell 0.5 MTPA Fresh Fines by road and liquidate entire Iron Ore Dump Fines from Bolani Ores Mines [ML Area 1321.45 ha] keeping total production within approved EC Capacity of 12.0 MTPA of M/s Steel Authority of India Limited, located at Village Bolani, Tehsil- Barbil, District Keonjhar, Odisha - [Proposal No: IA/OR/MIN/283567/2022, F.No. J-11015/418/2008-IA.II(M); Consultant: Nil]

The instant proposal is for Amendment in EC's dated 30.07.2020 and 05.08.2021 for extension of validity of Environmental Clearance for further period of 3 years w.e.f 05.08.2022 to sell 0.5 MTPA Fresh Fines by road and liquidate entire Iron Ore Dump Fines from Bolani Ores Mines [ML Area 1321.45 ha] keeping total production within approved EC Capacity of 12.0 MTPA of M/s Steel Authority of India Limited, located at

Village Bolani, Tehsil- Barbil, District Keonjhar, Odisha. The mine lease area is located between Latitude 22°05'11.65848"N - 22°07'46.2869"N and Longitude 85°16'52.81330"E - 85°20'13.85260"E. The mine lease area falls under the Survey of India Toposheet no: 73 F/8 (F45H/8). The Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth.

2. The Project Proponent has made an online application vide proposal no. IA/OR/MIN/283567/2022 dated 30.07.2022 and submitted Form 4 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 250 ha and appraised at Central level.

3. The Project Proponent submitted the chronology of the Environmental Clearance (EC) as mentioned below:

- i. Initially, the Project Proponent obtained Environmental Clearance (EC) on 21.12.2012 for enhancement of production of iron ore from 5.65 million TPA to 12.0 million TPA (ROM) in Bolani Iron Ore Mine (5.1 Sq. mile) along with installation of a new beneficiation plant of 12 million TPA throughput and pellet plant of 4.0 million TPA capacity of M/s SAIL, located at village Bolani, Tehsil Barbil, District Keonjhar, Odisha.
- ii. Subsequently, the Project Proponent obtained amendment in EC dated 21.12.2012 on 17.02.2014 w.r.t Para 6 (iii) and in addition the following was added to the EC letter "There are two adjacent mining leases in 'Bolani Ore Mines viz Bolani 5.1 Sq. miles lease' 'Bolani 6.9 Sq. miles lease'. Bolani 5.1 Sq. miles lease is the iron ore bearing area whereas Bolani 6.9 Sq. miles lease is manganese ore bearing. Common infrastructure facilities for both the mines viz. railway siding & loading yard township, tailing pond, water intake point etc. are located in 6.9 Sq. miles lease" and that the mine working will be open cast fully mechanized instead of semi-mechanized.
- iii. Thereafter, PP obtained EC on 30th July, 2020 under para 7(ii) of EIA Notification 2006 (as amended) for change in excavation & dispatch pattern by increasing excavation and dispatch of iron ore fines from existing Fines Dumps up to 3.0 MTPA (from present 0.5 MTPA) and Modification of Mining parameters including updating of reserves and waste generation keeping total production within approved EC capacity of 12 MTPA. Bolani Iron Ore Mine (1321.45 ha) is located at Villages Boiani&Balagoda and Karo Reserve Forest (R.F.) in Barbil Tehsil, Champua Subdivision, Keonjhar District of Odisha with one of the specific condition that *"This amendment is valid for a period of one year and the same may be extended after the site visit or compliance monitoring by Regional Office, whichever is earlier"*.

iv. Further, PP obtained EC vide letter dated 05.08.2021 for amendment/extension of validity of EC dated 30.07.2020 for one year along with permitting dispatch of 8.5 MTPA ROM Iron Ore from mines, 1.5 MTPA from fines dump by SAIL's Bolani Rly. Siding and dispatch of 0.5 MTPA from Iron Ore from Mines and 1.5 MTPA from fines dump by Public Sidings Bolani/Barbil or by Road keeping total production within approved EC Capacity 12 MTPA under Para 7(ii) of the EIA Notification 2006.

5. The Project Proponent submitted that subsequent to the amendment in EC dated 05.08.2021, it was planned to sell 2.0 MT of dump fines during FY 2021-22. However, during FY 2021-22, only 4.4 lakh tonnes of dump fines could be sold as the sale of dump fines was affected due to the following reasons:

- 1) MMDR Amendment Act, 2021 was notified on 28.03.2021 imposing additional statutory payment @ 150 % royalty on sale of iron ore from the captive mines including on dump fines from Bolani.
- 2) Hence, for want of clarification from Ministry of Mines, Govt. on applicability of provisions of MMDR Amendment Act 2015 on sale of dump fines, Govt. of Odisha had suspended all the iron ore dispatches against the sale w.e.f. 17.05.2021. Consequent upon clarification issued by Ministry of Mines, Govt. vide letter dated 25.05.2021, Govt. of Odisha vide letter dated 26.05.2021 allowed resumption of dispatches against sale of dump fines from Bolani by paying royalty applicable for highest grade of lump i.e. Fe > 65% as Bolani Mine has permission for exemption of stacking & sampling for fresh production. This had resulted in significant increase in statutory payments on sale of dump fines. Due to increase in statutory payments coupled with fall of iron ore prices, several auctions for sale of low grade dump fines failed till Nov'2021,
- 3) Keeping in view of successive failures of auction for sale of dump fines, SAIL-BOM took up the matter with Govt. of Odisha and then, permission was granted by Govt. of Odisha on 17.11.2021 to charge royalty at actual grade of Fe applicable for fines. Since then, PP able to sell the dump fines from Bolani Mine. Till 01.07.2022 only a meager quantity to the tune of 0.9032 MT out of 7.07 MT Fines from old Fines dumps located inside both the leases of Bolani Ores Mines, SAIL, could be sold in open market from the start of selling process. Keeping in view, the same trend and present market scenario, it can be expected that around 6.17 MT of low grade dump fines will be left unsold till the expiry of the existing amended EC dated. 05.08.2021.

In view of the above, Project Proponent has requested to extend the validity of the EC amendment dated 30.07.2020 with further amendment on 05.08.2021 for further period of 03 (three) more years to completely liquidate the iron ore dump fines stored at

Bolani Ores Mines of M/s SAIL within the already permitted EC capacity of 12 MTPA under Para 7(ii) of EIA Notification 2006.

6. The 5.1 Sq. mile mining lease was granted for a period of 30 years with validity from 11.04.1960 to 10.04.1990. 1st renewal of mining lease was granted by Govt. of Odisha, Steel & Mines Department vide Lr No. III(A)SM-1/97-10731/SM, dated 25.11.1999 for a period of 20 years with effect from 10.04.1990 to 09.04.2010. The 2nd renewal of mining lease has been granted by Govt. of Odisha, Steel & Mines Department vide express order no: III(A)SM-1/97-10731/SM dt 29.05.2014 for a period of 20 years with effect from 10.04.2010 with validity upto 09.04.2030.

7. The Project Proponent submitted that the total mine lease area is 1321.45 ha, out of which 1312.86 ha is Forest Land and 8.59 ha is Non-Forest Land. The Forest Clearances for the forest land within the ML over an area of 1225.77 ha has been accorded by MoEF (FC Division) vide letter no. F.No. 8- 17/1997-FC (pt.) dated 11.12.2012, F.No. 8- 17/1997-FC (pt.) dated 09.07.2013 and F.No. 8-17/1997- C (vol.) dated 12.11.2014. Further, Stage-II Forest Clearance for 87.09 ha Sabik forest land (Non-forest land recorded as forest as on 25.10.1980) has also been obtained vide MoEF&CC, Gol letter no. F. No. 8-17/2016-FC dated 06.11.2019. Stage-II Forest Clearance exists for the total forest land within the mining lease area.

8. The Project Proponent submitted the Approval of Modification of Review of Mining Plan along with Progressive Mine Closure Plan over an area of 1321.45 ha approved by Indian Bureau of Mines vide Lr No. MRMP/A/12-0RI/BHU/2020-21 dated 08.09.2020 for the period 2020-21 to 2024-25.

9. The Project Proponent submitted that the ambient air quality monitoring has been carried out at four locations i.e. A1 to A4 from March to May 2022 (Summer Season). PP reported that the maximum PM₁₀ values ranged from 64.5 to 69.7 µg/m³ and PM_{2.5} varies from 35.2 to 37.7 µg/m³ but the C₉₈ concentration for PM₁₀ varied from 61.5 to 68.6 µg/m³ and PM_{2.5} varies from 33.5 to 37.7 µg/m³. The results were compared with National Ambient Air Quality Standards (NAAQS), 2009 of Central Pollution Control Board (CPCB) and indicated that the ambient air quality for PM₁₀, PM_{2.5}, SO₂, NO₂ and CO are within the norms for “Industrial, Residential, Rural & Other Areas”. PP also submitted that the monthly averages of Suspended Particulate Matter (SPM) from April 2021 to March 2022 are well within the prescribed norms of 1200 µg/m³. The depth to water level at three locations in August 2021 ranged from 3.76 to 14.07 m below ground level (bgl), November 2021 ranged from 4.02 to 14.47 m bgl, February 2022 ranged from 4.4 to 15.1 and May 2022 ranged from 4.2 to 15.37. Among the monitoring locations, a rise in water level is seen during August and November 2022 as compared to other months.

10. The Project Proponent reported that a scientific study has been conducted by IIT Kharagpur to estimate the particle size distribution of fugitive emissions that is likely to emerge from Handling of Dump Iron Ore Fines and Fresh Iron Ore Fines including Storage at Sites and Railway Sidings at Bolani Ores Mines. The study revealed that in terms of contribution to mass concentration, the particle size distribution of dump fines (PM1: 14-23 %, PM1-2.5: 12-24 %, and PM2.5-10: 59-70 %) were similar to that of distribution of fresh fines (PM1: 13-22 %, PM1-2.5: 14-18 %, and PM2.5-10: 60-70 %). Therefore, the fugitive dust has comparable distribution of mass percentage with respect to size range of the particles in the case of fresh fines as well as in the case of dump fines. In terms of particle number concentration, a similar result was obtained. The smallest size particles (up to 0.275 µm) accounted for 48.3- 52.9% of the total fugitive emissions in dump fines and 42.2- 51.3% in fresh fines. The proportion gradually decreased with increase in particle size. For both the cases, 99% of the particles were smaller than 1 µm.

11. The Project Proponent has submitted that the Traffic Density was carried out on the proposed haul routes at 3 locations at hourly intervals continuously for 10 days from 1st May 2021 to 10th May 2021 such as TD-1: Bolani – Barbil Road near Karo River Bridge, TD-2: Bolani – Barbil Road near W. Huttings and TD-3: Road to Bolani Public Siding near W. Huttings. PP also submitted that the present maximum traffic on the Bolani – Barbil Road is ~5900 PCUs/day, which includes dispatch of dump fines from Bolani Ores Mines by road as compared to its recommended design service volume of 13800 PCUs/day. Therefore, the Bolani – Barbil Road is further having additional capacity to the tune of 7900 PCUs/day, i.e. can handle about additional 7 MTPA road traffic. PP reported that present maximum traffic volumes (at TD1, TD2 & TD-3) are within the design service volumes of the roads. Therefore, proposed continuation of the road transport to the tune of 2 MTPA from Bolani Ores Mines will not have any adverse impact on the traffic infrastructure at Bolani.

12. The Project Proponent submitted the Certified Compliance Report (CCR) issued by the Integrated Regional Office, Bhubaneswar on 25.07.2022. The site visit was conducted by the Integrated Regional Office, Bhubaneswar on 15.06.2022. PP also submitted the Consent to Operate issued by the Odisha State Pollution Control Board, Bhubaneswar vide letter no. 5128/IND-I-CON-242 dated 30.03.2022 which is valid till 31.03.2023 or till the validity of the Environmental Clearance Order, whichever is earlier. PP also submitted an undertaking vide letter dated 16.08.2022 stating that the all conditions stipulated in the EC letter dated 21.12.2012, with amendments on 30.07.2020 and 05.08.2021 shall be complied and further additional conditions if any, to be stipulated by the MoEF&CC, to liquidate remaining 6.17 million tonnes dump iron ore fines within the mining leases of Bolani Ores Mines through selling in open market.

13. Observation and Recommendation of the Committee:

The EAC noted that the instant proposal is for amendment in EC's dated 30.07.2020 and 05.08.2021 for extension of validity of Environmental Clearance for a further period of 3 years w.e.f 05.08.2022 to completely liquidate the iron ore dump fines stored at Bolani Ores Mines of M/s SAIL within the already permitted EC capacity of 12 MTPA under Para 7(ii) of EIA Notification 2006. The EAC also noted that during the meeting, PP has informed the EAC that there is no change in scope of work from earlier EC amendment granted on 05.08.2021.

The EAC deliberated on the Certified Compliance report issued by the Integrated Regional Office, Bhubaneswar on 25.07.2022. The EAC reviewed the air quality monitoring along the transportation route, particle size analysis of the emissions that are likely to emerge from the dumps and storage at the site and railway siding and the standard dispatch practices being followed during transportation of the mineral. The EAC noted that the air quality in and around the transportation route is well within the norms of National Ambient Air Quality Standards (NAAQS).

Project Proponent has informed the EAC that the Bolani – Barbil Road is designed to handle an additional carrying capacity of about 7900 PCUs/day, i.e. can handle about 7.0 MTPA road traffic as per IRC:64 "Guidelines for Capacity of Roads in Rural Areas". Project Proponent also informed the EAC that the liquidation of fines will not only result in effective utilization of these low grade minerals, but also eliminates environmental hazards associated due to storage of fines. Based on the above discussions held, the EAC **recommended** the proposal of M/s SAIL for amendment in EC's dated 30.07.2020 and 05.08.2021 for extension of validity of EC for a further period of one year along with permitting dispatch of 8.5 MTPA ROM Iron Ore from mines, 1.5 MTPA from fines dump by SAIL's Bolani Rly. Siding and dispatch of 0.5 MTPA from Iron Ore from Mines and 1.5 MTPA from fines dump by Public Sidings Bolani/Barbil or by Road keeping total production within approved EC Capacity 12.0 MTPA located at village Boiani, Tehsil-Barbil, District Keonjhar, Odisha along with the following additional specific conditions: -

- i. The Project Proponent should restore the mine lease area by planting with native species only.
- ii. The Project Proponent shall take adequate measures to prevent the washout of fines during monsoon season. Project Proponent shall also ensure that the desilting should be carried out at regular intervals.

- iii. Project Proponent shall conduct Bio-assay test of Karo River and Jhinkaria Nallah on half yearly basis and submit the status of quality of river to Ministry's IRO with six monthly compliance report.
- iv. Project Proponent shall restrict seepage of water from Tailing Pond and plan of action shall be submitted to Ministry's IRO and measure concentration of heavy metals regularly.
- v. Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India & Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent".
- vi. PP shall deploy only 40-50 tones covered trucks/dumper to reduce fleet size till railway siding
- vii. PP shall deploy of atleast 10 nos of fog cannon with adequate throw length for mitigation of fugitive dust on the haul road, storage yard, crushers, during handling at fines loading unit and transportation route in addition of already proposed Fugitive Dust Mitigation Measures implemented at BOM.
- viii. No village road shall be used for transportation of mineral and no road transport route shall be adopted, which is passing through any sensitive location such as schools, hospitals etc.
- ix. Yearly plantation scheme and three tire green belt development scheme to be done by PP and a record of which must be submitted to IRO with satellite imagery showing the progressive change in land use with six monthly compliance report.
- x. All other terms and Conditions mentioned in earlier EC dated 21.12.2012, 17.02.2014, 30.07.2020 and 05.08.2021 shall remain unchanged.

1.4 Moharwa Limestone Deposit of M/s Adhunik Corporation Ltd for mining of Limestone with production capacity of 4.0 MTPA (ROM) along with Crusher with capacity of 1200 TPH in the mine lease area of 869.032 ha, located at Villages Moharwa, Ghotari, Gondin, Patahara, Goraiya, Barkula, Jhanjhware, Tehsil –

Maihar, District- Satna, Madhya Pradesh – [Proposal No: IA/MP/MIN/285429/2022, F.No: J-11015/177/2016-IA-II(M)] - Terms of Reference (ToR)

The instant proposal is for Terms of Reference (ToR) for Moharwa Limestone Deposit of M/sAdhunik Corporation Ltd for mining of Limestone with proposed production capacity of Limestone of 4.0 MTPA (ROM) along with Crusher with capacity of 1200 TPH in the mine lease area of 869.032 ha, located at Villages Moharwa, Ghotari, Gondin, Patahara, Goraiya, Barkula, Jhanjhwari, Tehsil – Maihar, District-Satna, Madhya Pradesh. The mine lease area is located between Latitude 24°08'25.3"N to 24°10'56.6"N and Longitude 80°51'14.9"E to 80°55'14.1"E. The mine lease area falls under the Survey of India Toposheet No. 63 D/16.

2. The proposal was earlier considered in the EAC meeting held during November 23-25, 2016 wherein the EAC noted that the total mine lease area is 869.032ha. Out of which 99% land is single crop agriculture land. No forest land is involved. Letter of Intent was issued by State Government of Madhya Pradesh vide letter dated 01.04.2015. The Committee noted that the lease is located in seven villages and there are human habitations (208 kutcha houses and 21 pucca houses) exist in the mine lease area. There are 1956 khata holders for the entire mine lease area. Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee is of the view that the Project Proponent shall revise the proposal and the proposal for reduced area may be submitted as the proposed mine site.

3. Now, the Project Proponent submitted the fresh proposal for grant of Terms of Reference vide online proposal no: IA/MP/MIN/285429/2022 dated 26.07.2022 and submitted Form-1 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 and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.

4. Observation and Recommendation of the Committee:

The Member Secretary informed the EAC that the Project Proponent vide email dated 06.08.2022 sought deferment and informed that the technical expert is not feeling well and hence PP was unable to furnish the desired information. Also, the Project Proponent requested to postpone the ToR proposal. Therefore, the EAC **deferred** the proposal as per the request of the Project Proponent vide email dated 06.08.2022.

Day 2: 17th August, 2022 (Wednesday)

2.1 Amendment in EC dated 09.09.2008 of M/s. UltraTech Cement Limited w.r.t Disposal of OB by the State Govt. through E - Auction process and Reconciliation

of ML Area in EC [(31.814 Ha+333.228 Ha) & 17.155 Ha]with the area given in executed lease to 350.383 Ha (333.228 Ha + 17.155 Ha) and Limestone Production Capacity to 3.4 Million TPA (0.6 MTPA + 2.8 MTPA) for Julgul Limestone Mine Area (31.814 Ha forest land and 333.228 Ha non forest land) located at Villages : Billi, Julgul, Chamarkha and Jharia, Tehsil: Roberstganj, District: Sonebhadra, Uttar Pradesh - [Proposal No: IA/UP/MIN/283472/2022, F. No: J-11015/560/2007] - Amendment in EC

The instant proposal is for amendment in EC dated 09.09.2008 of M/s. UltraTech Cement Limited for Julgul Limestone Mine w.r.t Disposal of OB by the State Govt. through E - Auction process and Reconciliation of ML Area in EC [(31.814 Ha+333.228 Ha) & 17.155 Ha)] with the area given in executed lease to 350.383 Ha (333.228 Ha + 17.155 Ha) and Limestone Production Capacity to 3.4 Million TPA (0.6 MTPA + 2.8 MTPA)located at Villages : Billi, Julgul, Chamarkha and Jharia, Tehsil: Roberstganj, District: Sonebhadra, Uttar Pradesh. The mine lease area is located between Latitude: 24°26'44.10"N to 24°27'52.97"N and Longitude 82°59'25.42" E to 83°02'21.61" E. The mine lease area falls under the Survey of India Toposheet No: G44W15 (63 L/15) & G44X3 (63 P/3) 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 has made an online application vide proposal no: IA/UP/MIN/283472/2022dated 14.07.2022 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 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 previous Environmental Clearance (EC) are furnished below:-

Date of Application	File No/ Proposal No	Consideration	Details	Date of Grant
31.05.2007	J-11011/560/ 2007- IA.II(I) IA/UP/IND/19144/2008	-	Integrated Environmental Clearance for expansion of Clinker Plant (0.50 to 2.0 MTPA), Cement Plant (0.5 MTPA), Captive Power Plant (27 MW) and 6 Captive Limestone Mines (3.50 MTPA)	29.09.2008

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

			<p>including Dalla (Kajrahat), Julgul, Bhalua, Padrach, Ghurana Limestone mines and Ningha Marble mine at Robertsganj, District Sonebhadra, Uttar Pradesh in favour of M/s Jaiprakash Associates Ltd.</p> <p>Julgul Limestone mine (Forest land: 31.814 ha + Non-Forest: 333.228 ha) for production capacity of 0.6 MTPA.</p>	
05.10.2017	J-11011/560/ 2007-IA.II(I)	-	Transfer of Environmental Clearance dated 29.09.2008 from M/s Jaiprakash Associates Ltd. to M/s. UltraTech Cement Limited.	27.11.2017
30.07.2007	-	-	Environmental Clearance was granted by SEIAA for Limestone mine with production capacity of 2.80 MTPA in the mine lease area of 17.155 ha, located at Village Billi Markundi (Julgul), Dist: Sonebhadra, Uttar Pradesh in favour of M/s Jaiprakash Associates Ltd.	20.03.2008
02.04.2018	-	-	Transfer of	11.07.2018

			Environmental Clearance dated 20.03.2008 from M/s Jaiprakash Associates Ltd. to M/s. UltraTech Cement Limited.	
--	--	--	--	--

4. Now, the Project Proponent requested for amendment in EC dated 29.09.2008 as mentioned below:

i. Disposal of OB by the State Govt. through E - Auction process:

The Project Proponent submitted that the District Magistrate, Sonbhadra issued the order vide letter dated 13.12.2021 for sale of OB through e-auction process by State Government through the UP Electronics Corporation Ltd. The District Magistrate has constituted the Committee of the following members for the e-auction of the OB waste:

- Additional District Magistrate, Sonbhadra - President
- Deputy District Magistrate, Sonbhadra - Member
- Senior Mine officer - Member
- Unit Head, UTCL (Dalla Cement Works) - Member

The Project Proponent also submitted the letter from the Office of the Chief Controller of Mines, IBM vide letter dated 03.02.2022 regarding the removal of 9,75,898 m³ waste. The total quantum of overburden as reported is to be lifted in two financial years. In the F.Y. 2021-22 it is proposed to lift 1,94,350.66 cu.m of overburden and in the F.Y. 2022-23, the quantity to be lifted is proposed as 7,81,547.36 cu.m from Julgul Limestone Mines. Further, PP submitted that the Mining Plan has been approved by Indian Bureau of Mines dated 13.04.2022 over an area of 350.83 ha along with the inclusion of Sale of OB through auction process as per the order from State Government.

ii. Reconciliation of ML Area in EC [(31.814 Ha+333.228 Ha) & 17.155 Ha] with the area given in executed lease to 350.383 Ha (333.228 Ha + 17.155 Ha) and Limestone Production Capacity to 3.4 Million TPA (0.6 MTPA + 2.8 MTPA):

The Project Proponent submitted that initially the mining lease was granted to Uttar Pradesh State Mineral Development Corporation Limited (UPSMDCL) over an area of 384.0 ha vide letter dated 15.07.1977. Out of 384 Ha, 17.155 Ha (non-forest land) was executed on 14.12.2001 and Environmental Clearance (EC) for

Limestone mine with production capacity of 2.80 MTPA in the mine lease area of 17.155 ha, located at Village Billi Markundi (Julgul), Dist: Sonebhadra, Uttar Pradesh in favour of M/s Jaiprakash Associates Ltd. was granted by SEIAA, UP on 20.03.2008 and then transferred in the name of M/s. UltraTech Cement Limited on 27.11.2017. Out of remaining area, forest land of 31.814 ha was excluded and non-forest area i.e. 333.228 Ha was allowed by the State Govt. to include in the original mine lease deed of 17.155 ha. The Supplementary lease deed for 350.383 Ha (333.228+17.155) was executed on 30.01.2008 excluding the 31.814 ha forest land. Review of Mining Plan was approved by Indian Bureau of Mines vide letter dated 15.05.2017 for Julgul Limestone Mine (350.383 ha) for 3.4 MTPA Limestone Production capacity and change in name of company from M/s Jaiprakash Associates Ltd. to M/s. UltraTech Cement Limited in Approved Mining Plan was obtained on 17.04.2018.

Further, PP submitted that the Environmental Clearance for Julgul Limestone Mine [333.228 Ha (non-forest land) and 31.814 Ha (forest land)] with Limestone Production Capacity 0.6 Million TPA was obtained by M/s Jaiprakash Associates Ltd on 29.09.2008 and then transferred in the name of M/s. UltraTech Cement Limited on 11.07.2018. In view of the above, Project Proponent is requested for amendment in the existing EC letter dated 29.09.2008 for reconciliation of mine lease area in EC [(31.814 Ha+333.228 Ha) & 17.155 Ha] with the area given in executed lease to 350.383 Ha (333.228 Ha + 17.155 Ha) and Limestone Production Capacity to 3.4 Million TPA (0.6 MTPA + 2.8 MTPA) to align the Environment Clearance with the Executed Lease and Mining Plan.

5. Observation and Recommendation of the Committee:

The EAC noted that instant proposal is for amendment in EC dated 09.09.2008 of M/s. UltraTech Cement Limited for Julgul Limestone Mine w.r.t Disposal of OB by the State Govt. through E - Auction process and Reconciliation of ML Area in EC [(31.814 Ha+333.228 Ha) & 17.155 Ha] with the area given in executed lease to 350.383 Ha (333.228 Ha + 17.155 Ha) and Limestone Production Capacity to 3.4 Million TPA (0.6 MTPA + 2.8 MTPA).

The EAC observed that the initial mining lease over an area of 384.0 ha vide letter dated 15.07.1977 was in favour of M/s Uttar Pradesh State Mineral Development Corporation Limited (UPSMDCL). The EAC also observed that the Project Proponent is having two separate EC's dated 29.09.2008 over an area of Forest land: 31.814 ha + Non-Forest: 333.228 ha) for a production capacity of 0.6 MTPA and 20.03.2008 over an area of 17.155 ha for a production capacity of 2.80 MTPA. The EAC was of the view

that the Project Proponent is having two separate EC's dated 29.09.2008 and 20.03.2008 for the same mine lease area which is contradictory. The Project Proponent informed the EAC that the mine lease deed was executed in phases. Supplementary Lease deed for 350.383 Ha (333.228 Ha + 17.155 Ha) was executed on 30.01.2008 and registered on 06.02. 2008. The lease execution and registration date predates the EC dates.

The EAC also observed that the Review of Mining Plan was approved by Indian Bureau of Mines vide letter dated 15.05.2017 for Julgul Limestone Mine (350.383 ha) for 3.4 MTPA of Limestone Production capacity. Further, the Project Proponent accepted before the EAC that the mine lease has been operating from the year 2008 without amendment in EC. The EAC was of the view that in the instant case, Project Proponent did not obtained amendment in both the ECs after amalgamation of mining leases. In view of the above, EAC noted that the instant case is a violation of EIA Notification 2006.

The EAC asked the Project Proponent to show the authenticated past production details for both the EC's dated 29.09.2008 and 20.03.2008. The Project Proponent presented the authenticated past production details before the EAC and informed that there is no excess production against the EC capacity dated 29.09.2008 and 20.03.2008. The EAC also asked the Project Proponent to show the compliance status of the earlier EC's dated 29.09.2008 and 20.03.2008. The Project Proponent presented the compliance report certified in the year 2021. However, the Project Proponent has not uploaded the authenticated past production and certified compliance report on PARIVESH portal. The EAC also noted that the Sonebhadra District falls in the Critically Polluted Area (CPA).

The EAC after detailed deliberations opined that the instant proposal falls under the violation of the EIA Notification, 2006 and advised the Project Proponent to apply for fresh Terms of Reference (ToR) under Ministry's SOP for identification and handling of violation cases under EIA, Notification 2006 dated 07.07.2021 along with the above observations, EAC asked to Ministry to take action under Section 19 of E(P)A, 1986. The EAC **returned the proposal in present form.**

2.2 Amendment in EC dated 27.04.2022 for Redi Iron Ore mine of M/s Minerals and Metals with proposed production capacity of 0.2 MTPA of Iron Ore (ROM), 0.025 MTPA Waste/Overburden & 0.0003 MTPA of Topsoil in the mine lease area of 27.4520 ha, located at Villages Redi, Sakhalbhat, Mhartale and Bambadojiwadi, Taluk Vengurla, District Sindhudurg, Maharashtra - [Proposal No: IA/MH/MIN/148253/2020, F.No: J-11015/27/2020-IA-II(M)] - Amendment in EC

The instant proposal is for amendment in EC dated 27.04.2022 w.r.t. amendment in Waste/Overburden and Topsoil and Specific Condition 17 A (b) for Redi Iron Ore mine of M/s Minerals and Metals with proposed production capacity of 0.2 MTPA of Iron Ore (ROM), 0.025 MTPA Waste/Overburden & 0.0003 MTPA of Topsoil in the mine lease area of 27.4520 ha, located at Villages Redi, Sakhalbhat, Mhartale and Bambadojiwadi, Taluk Vengurla, District Sindhurg, Maharashtra. The mine lease area is located between Latitude 15°44'25.64"N to 15°44'53.28"N and Longitude 73°39' 21.19"E to 73°40'54.18"E. The mine lease area falls under the Survey of India Toposheet No: 48 E/10 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. The Project Proponent has made an online application vide proposal no: IA/MH/MIN/148253/2020 dated 07.07.2022 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 and attracts the general conditions as the interstate boundary of Maharashtra-Goa is located at a distance of 1.34 km from the mine lease area and falls under Category "A" and appraised at the Central level.

3. The Project Proponent vide letter dated 27.04.2022 obtained Environmental Clearance (EC) for Redi Iron Ore mine of M/s Minerals and Metals with proposed production capacity of 0.2 MTPA of Iron Ore (ROM), 0.025 MTPA Waste/Overburden & 0.0003 MTPA of Topsoil in the mine lease area of 27.4520 ha, located at Villages Redi, Sakhalbhat, Mhartale and Bambadojiwadi, Taluk Vengurla, District Sindhurg, Maharashtra.

4. Now, the Project Proponent is requested for amendment in EC dated 27.04.2022 w.r.t. amendment in Waste/Overburden and Topsoil and Specific Condition 17 A (b) *Since, Block 3 is adjoining the already operating mines of Gogte Minerals, a peripheral plantation in the common boundary area should be carried out to prevent impact of mining on each other as mentioned below:*

S. No	Reference of EC dated 27.04.2022	Description as per EC dated 27.04.2022	Amendment sought by the Project Proponent
1	Subject, Line 3, Pg. No: 2 Clause 1, Line 3, Pg. No: 2 Point No. 1, Clause 1,	"....proposed production capacity of 0.2 MTPA of Iron ore (ROM), 0.025 MTPA Waste/Overburden and 0.0003 MTPA of	".... proposed production capacity of 0.2 MTPA of Iron ore (ROM) with a stripping ratio of 1:2.06.It is proposed to generate total 0.05

	Line 3, Pg. No: 2 Point No. 3, Clause 6 & 7, Line 1, Pg. No: 3 Point No. 3, Clause 6 & 7, Line 1, Pg. No: 3 Point No. 16, Para 2, Line 11, Pg. No: 7	Topsoil in the mine lease area of 27.4520 ha.....”.	Million Tonnes of Top soil till the end of the lease period ...”
2	Specific condition no. 17 A (b), Pg.No: 7 of 20	Since, Block 3 is adjoining the already operating mines of Gogte Minerals, a peripheral plantation in the common boundary area should be carried out to prevent impact of mining on each other	Since, Block 3 is adjoining the already operating mine of Gogte Minerals, a peripheral plantation in the common boundary area should be carried out immediately after the common boundary work is over

5. The Project Proponent submitted the Approval from the Directorate General of Mines Safety vide Lr No: 330538|SCZ|Goa Region|Perm|2022|237429 dated 10.06.2022 to work within 7.5 meters and upto the common Boundary between Redi Iron Ore Mine of M/s Gogte Minerals Ltd and Redi Iron Ore of M/s Minerals & Metal Ltd. This permission shall be valid for five years from the date of issue of this letter or whenever the extraction in the area under consideration is completed, whichever is earlier.

6. Observation and Recommendation of the Committee:

The EAC observed that the instant proposal is for amendment in EC dated 27.04.2022 w.r.t. amendment in Waste/Overburden and Topsoil and Specific Condition 17 A (b) Since, Block 3 is adjoining the already operating mines of Gogte Minerals, a peripheral plantation in the common boundary area should be carried out to prevent impact of mining on each other.

The EAC noted that the instant proposal would result in creation of common boundary area which leads to much environmental implications. The EAC observed that more no. of trees exists in the common boundary area and the vicinity of the mine lease area is surrounded by thick vegetation. The Project Proponent informed the EAC that the compensatory afforestation will be undertaken against the no. of trees cut in the mine lease area. The EAC noted that the Project Proponent did not submit the method of mining to work in common boundary and their environmental implications. The

Project Proponent presented before the EAC about the Memorandum of Understanding (MoU) to work in common boundary area between M/s Minerals & Metal Ltd and M/s Gogte Minerals Ltd and copy of the Environmental Clearance granted to M/s Gogte Minerals Ltd. The EAC observed that the Project Proponent has not uploaded the same on PARIVESH portal and the EAC asked the Project Proponent to submit the same.

The EAC also noted that the Project Proponent is proposing to start the work from the common boundary area whereas the mining operation has not even commenced inside the mine lease area. The EAC asked the Project Proponent to submit the justification for approaching the common boundary area, mining methodology in common boundary and their environmental implications, stability of mine benches and restoration plan for the common boundary area and plan for compensatory afforestation. The EAC also advised the Project Proponent to explore the possibility of avoiding drilling and blasting in the common boundary area. Therefore, the EAC **deferred** the proposal for want of the following additional information: -

- i. The Project Proponent needs to submit the justification that why the mining operation should commence by approaching the common boundary area initially.
- ii. The Project Proponent needs to submit the details on mining methodology initially in the common boundary and later further widened all along the boundary. Project Proponent should explore the possibility of mining by avoiding drilling and blasting activity in the common boundary area.
- iii. The Project Proponent needs to submit the environmental implications for creating the common boundary and the stability of mine benches and the restoration plan for the common boundary.
- iv. The Project Proponent needs to submit the action plan for transplanting/translocation the existing plantation in the 7.5m width on the mine lease area of M/s Minerals & Metal Ltd. Project Proponent should prepare the plan in such a way that the compensatory afforestation shall be taken up before the safety zone is disturbed with same species having height of 10ft with not less than 95% survival rate in the identified area. An undertaking in this regard needs to be submitted by the Project Proponent.
- v. The Project Proponent needs to submit the Mining Plan of M/s Minerals & Metal Ltd and M/s Gogte Minerals Ltd mentioning the details of mining in the common boundary area.

- vi. The Project Proponent needs to submit the Memorandum of Understanding (MoU) to work in common boundary area between M/s Minerals & Metal Ltd and M/s Gogte Minerals Ltd as presented before the EAC during the meeting.
- vii. The Project Proponent needs to submit the copy of the Environmental Clearance granted to M/s Gogte Minerals Ltd.

2.3 Gojoli-Somanpalli Dongargaon Limestone Block (Auctioned Block) of M/s Dalmia Cement (Bharat) Ltd. for mining of Limestone with Limestone Production Capacity 1.0 Million TPA, Soil: 0.10 Million TPA, OB: 0.15 Million TPA & Waste: 0.25 Million TPA (Total Excavation-1.50 Million TPA) along with installation of Impact Crusher-500 TPH Capacity with Screen/Wobbler in the mine lease area of 646.55 ha, located at Villages: Somanpalli, Dhaba, Chak Dubarpeth, Chak Navegaon, Gojoli Makta and Chak Gojoli, Tehsil: Gondpipri, District: Chandrapur, Maharashtra – [Proposal No: IA/MH/MIN/285399/2022, F.No: IA-J-11015/31/2022-IA-II(NCM), Consultant: Aditya Environmental Services Pvt.Ltd] – Terms of Reference (ToR)

The instant proposal is for grant of Terms of Reference for mining of Limestone in Gojoli-Somanpalli Dongargaon Limestone Block (Auctioned Block) of M/s Dalmia Cement (Bharat) Ltd. with Limestone Production Capacity 1.0 Million TPA, Soil: 0.10 Million TPA, OB: 0.15 Million TPA & Waste: 0.25 Million TPA (Total Excavation-1.50 Million TPA) along with installation of Impact Crusher-500 TPH Capacity with Screen/Wobbler in the mine lease area of 646.55 ha, located at Villages: Somanpalli, Dhaba, Chak Dubarpeth, Chak Navegaon, Gojoli Makta and Chak Gojoli, Tehsil: Gondpipri, District: Chandrapur, Maharashtra. The mine lease area is located between Latitude: 19°35'50.61"N to 19°40'40.89"N and Longitude: 79°38'40.56"E to 79°40'00.39"E. The mine lease area falls under the Survey of India Toposheet No: 56 M/10 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 has made an online application vide proposal no: IA/MH/MIN/285399/2022 dated 28.07.2022 and submitted Form-1 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 and 2(b) Mineral Beneficiation 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. Details of Mine Lease:

S. No	Lease Particulars	Date of Grant	Mineral	Mine Lease Area, Ha	Period	Granted by
1	Letter of Intent for grant of mining lease in pursuant to Rule 10 (2) of the Mineral (Auction) Rules, 2015 and this Letter of Intent is valid for a period of 3 years from the date of its issuance	10.09.2020	Limestone	646.55	50 years	Govt. of Maharashtra

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

Private land	428.45Ha
Forest land	185.83 Ha
Government land	32.27 Ha
Total Mine lease area (MLA)	646.55 Ha
Additional information(if any)	<p>i. The area bifurcation in Mining Plan and Tender document is Forest Land – 114.40 Ha Govt. Land – 100.81 Ha Private Land – 431.34 Ha, however, while compilation for forest clearance it has been rectified based on revenue record (7/12) of Govt. of Maharashtra as Forest Land-185.83 Ha., Private Land-428.45Ha, Government Land-32.27 Ha.</p> <p>ii. About 17.95 ha is under road and 1.09 Ha is under settlement. The major village road CHA MD1 and road connecting Dongargaon is not proposed to be disturbed. Statutory safety barrier of 50m is proposed to be left along the road & canal and 300m along the settlement. Plantation is proposed to be undertaken towards the mining side of the barrier. However, in the interest of mineral conservation and with the permission of the competent authorities few village roads may be diverted/alterd in due course of mining, it is</p>

	<p>proposed to realign an un-metaled road.</p> <p>iii. One HT Lines and two LT (Domestic supply) lines are passing through the lease area. Statutory safety barrier of 50m is proposed to be left from the transmission lines existing within the ML area and currently not proposed to be diverted. However, in interest of mineral conservation & sustainable mining diversion may be considered upon the recommendation of the Competent Authority.</p> <p>iv. About 11.12 ha is under seasonal nalla/pond. The area is drained by few first/second order seasonal nallas. Some originates within the lease area and some traverse the lease area. All drains into DabhaNalla which further merges into Wardha River. The prominent water bodies (one pond) including seasonal nallas are not proposed to be diverted/disturbed. Small seasonal nalla originating within the lease area near the boundary is proposed to be mined out keeping the extent falling outside the ML area undisturbed. A nalla traversing the lease area is proposed to be realigned. Statutory barrier of 50m is proposed to be left along both side/mining side of the nallas.</p>
--	--

iii. Details of Mining Plan:

Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines (IBM)	Letter No.	CND/LST/MP44-1184/NGP-2021/260		
	Date	19/03/2021		
	Mineral	Limestone		
	Mine lease area	646.55 ha		
	Validity	5 years from date of execution of mine lease deed and lease deed is yet to be executed.		
Mining Parameters	Quantitative Description			
Method of Mining	Opencast mechanized mining			
Total mineral resources	69.22 Million Tonnes			
Total mineable reserves	33.60 Million Tonnes			
Life of mine	37 years(After completion of the proposed exploration, the life of the mine is likely to be enhanced).			
Bench Height	5-8 m			
Bench Width	20 m			
Individual bench slope	80°			
Overall pit slope	45°			
Drilling/Blasting	1	Diameter of the hole	150 mm	
	2	Depth of the hole	8.0 m	

		3	Sub-drilling to avoid toe formation	0.5 m	
		4	Burden	4.0m	
		5	Spacing	4.5m	
		6	Stemming column	2.5m	
Transportation details	Excavated Limestone shall be transported by haul road to crusher site through tippers/dumpers. The limestone will be stacked near the crusher and fed to crusher with suitable blending as per requirement in the existing cement plant of DCBL at ~95 Km. The crushed limestone will be transported by road to the Cement Plant and other end users. Transportation will be done by ~7.5 Km on CHA MD1 before joining NH-353B.				
Dumpers capacity	35 Tonnes				
Crusher	An Impact crusher of 500 TPH along with Screen / Wobbler will be installed near the eastern boundary of the LOI area.				
RoM output size	The crushing of limestone will be done by impact crusher from 50 to 75 mm sizes.				
Topsoil/OB/Waste	PP reported that during mining operation, estimated generation of soil is 333 Tonnes per day (TPD), OB-500 TPD & Waste-833 TPD, considering mine working of 300 days. However, considering exigencies and rainy season, peak generation with 240 days is estimated as 417 TPD of Soil, 625 TPD of OB & 1042 TPD of Mining Waste				
Topsoil management	PP submitted that the generated top soil will be utilized for Greenbelt/Plantation development.				
OB/Waste management	PP submitted that OB will be dumped separately along the barrier zone at about 2.5 m height only. Hence, the sequence of dumping not required and it will be covered by shrubs and grass. OB/waste will be used for haul road preparation, crusher ramps, building material and for formation of bund all around the ML boundary. The left out material will be stacked & stabilized with shrubs & grasses.				
Ultimate working depth	30 mbgl				
Additional information(if any)	PP submitted that Dept of Geology & Mining has explored the deposit for the mineral Limestone in 400, 200 & 75 m grid interval. Out of the total lease area about 297.41 Ha area under mineralized zone and remaining 349.14 Ha area is non-mineralized. Since, for proper planning of production of cement grade limestone in part of the area, more closed space drilling is required. Also, considering Gazette Notification dated 27.03.2018, the future exploration has been proposed. DCBL intends to complete the exploration in two phases in first 5 years of execution of mining lease as per prevailing Act & Rules.				

iv. Water requirement:

Total water requirement	40.0 KLD	Fresh water	36.0 KLD
		Treated water	4.0 KLD
Source	Ground water and rain water collected in Mine pit as & when developed		
Permission	Prior permission from Central Ground Water Authority(CGWA) will be taken for ground water abstraction		
Wastewater	PP submitted that around 4 KLD of sewage will be generated. This water will be treated in septic tank followed by Soak pit. Wastewater generated from workshop will be around 4 KLD which will be used for dust suppression after preliminary treatment of oil & grease trap		
Additional information(if any)	PP submitted that ML area falls under assessment unit "Gondpipri", as per Block-wise Ground Water Resource Assessment-2020 of CGWA (Public Notice No. 16/2021, dated 12/10/2021) "Gondpipri" is categorized as Safe. During exploration (DGM,1985), groundwater encountered at 5.45-14.50m in BHs. Proposed UPL is ~30mbgl. Groundwater intersection/seepage is anticipated.		

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

Particulars	Particular's Name	Distance &Direction
Nearest Habitation/Village	ChakDubarpeth village	within ML area
	Somanpalli Village	Part of village within ML area
	Gojoli Village	~0.2 Km in E direction
Nearest Town	Gondpipri	5 km, NE
Nearest City	Chandrapur	49 km, NW
Nearest Railway Station	Shirpur R.S (Telangana)	16 km, SW
Interstate Boundary	Maharashtra-Telangana	~1.9 km, South
Nearest Highway	NH-353 B	~4.8 km, NE
Water Bodies	SegonwithNala	~0.5 km, SW
	DabhaNadi	~0.6 km, W
	Wardha River	~1.68 km, SW

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

Forest Land/Protected Area/ Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA)	Yes/ No	Details of Certificate/letter/Remarks

Forest Land	Yes	PP submitted that application for seeking prior approval of Central Government under section 2 of the Forest (Conservation) Act, 1980 has been submitted vide Proposal No. FP/MH/MIN/150468/2021 dated 24.12.2021 for diversion of forest area of 185.83 Ha.	
Wildlife Sanctuary	Yes	PP submitted that Kanhargaon WLS ~ 450 m, West notified recently vide no. WLP 0614/CR-153/F-1 dtd. 15/03/2021 under WPA, 1972 by Revenue & Forest Department, Govt. of Maharashtra. <ul style="list-style-type: none"> • Tiger corridor (Kanha-NavegaonNagzira-Tadoba-Indravati) at ~7.4 km, West. • Chaprala Wildlife Sanctuary is at ~13.70 km, SE and notified ESZ Boundary is at ~13.25 km, SE. • Application for Wild Life Clearance has been submitted vide Proposal No. FP/MH/MIN/150468/2021 dated 05/02/2022. Further, PP submitted that as per Hon'ble Supreme Court Judgment dated 03/06/2022, 1km buffer has been left from Sanctuary boundary and is proposed as no mining zone.	
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA)		<ul style="list-style-type: none"> • Tiger corridor (Kanha-NavegaonNagzira-Tadoba-Indravati) at ~7.4 Km, W. • ESZ Chaprala WLS ~13.25 Km, SE • ESZ of Kanhargaon WLS is yet to be defined (default ESZ 10 Km). 	
Additional information (if any)	Open Mix Jungle		Within site
	Reserve Forests (RFs)		
	Dongargaon RF		0.6 km (NE)
	Watrana RF		1.4 Km,(NE)
	Dabha RF		2.4 km (W)
	Khararpet RF		2.4 km in NE
	Karinji RF		4.2 (NW)
	Panchgaon RF		6.1 km (NW)
	Ghanur RF		8.9 km (NW)
	Muthampet RF		9.0 km (SE)
	Kadamba RF		9.5 km (SW)
	Protected Forests (PFs)		
	Dongargaon PF		1.1 km (NE)
	Palsori PF		8.0 km (NW)

Green belt/plantation details:

Proposed area for green belt/plantation	PP submitted that plantation is proposed to be undertaken towards the mining side of the barrier to reduce the impact of mining activities. Plantation will be carried out in 50 m Safety barrier all along nallah, roads, Electric lines, settlement covering an area of 105.12 ha. Greenbelt will be developed in 7.5 m safety zone all along the mine boundary covering an area of 5.00 Ha during plan period, whereas, at conceptual stage, total area of 16.2 ha of safety zone will be covered under plantation. It is also proposed to undertake plantation on uppermost benches of excavated area over an area of 33.42 ha. At conceptual stage, total 161.78 ha area will under greenbelt/plantation @2500 saplings per hectare.
Budget for green plant& plantation till the end of life of mine.	Rs 12.0 Cr
Budget for nursery	Rs25.0 Lakhs
Particulars for Green belt/ plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	16.2 Ha area
50 m safety zone of nallah, roads, electric lines	88.52 ha area
300 m safety zones of nearest habitation villages	16.6 ha area
Additional information (if any)	Proposed plantation on uppermost benches of excavated area covering 33.42 ha.

vii. Rehabilitation & Resettlement (R&R):

R & R details	PP submitted that Villages such as Chak Dubarpeth (entire habitation) and Somanpalli (part of habitation) exists within the mine lease area. The habitations of the villages are not proposed to be relocated. There is proposal to leave or maintain 300 m safety barrier from village habitation/infrastructures. There are few structures/hutments within the mine lease area which will be resettled as per prevailing rules & regulation of Maharashtra State and Central Govt. The land oustees will be enumerated and compensation will be paid as per the Govt.'s Rules & Regulation.
---------------	---

viii. Court case details:

Court Case	PP submitted that there is no any litigation pending against
------------	--

	the project and/or land in which the project is proposed to be set up
--	---

ix. Affidavit/Undertaking details:

Affidavit/Undertaking	PP submitted an Affidavit dated 04/08/2022 in compliance of MoEF&CC OM dated 30.05.2018 stating that the mining would be done strictly 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 &Ors.
-----------------------	--

x. Details of Project cost and Employment:

Particulars	(Rs. In Crore)
Project Cost	132.01 Cr.
Employment	77 No.s

4. Observation and Recommendation of the Committee:

The EAC on viewing the KML file noted that the instant proposal is located at an environmental sensitivity area due to presence of 185.83 ha of forest land involved in the mine lease area, Tiger corridor (Kanha-Navegaon-Nagzira-Tadoba-Indravati), Kanhargaon Wildlife Sanctuary (~450 m, W), area of 11.12 ha under seasonal nalla/pond, 17.95 ha under road and 1.09 Ha under settlement inside the mine lease area. Kanhargaon Wildlife Sanctuary situated at 450 meters from lease boundary is a part of identified tiger corridor connecting tiger meta populations in the existing tiger reserves of the landscape. Some forest and govt. lands near the lease area may also be playing similar role for meta population management.

The Project Proponent informed the EAC that as per Hon'ble Supreme Court Judgment dated 03.06.2022, one kilometer buffer has been left from Wildlife Sanctuary boundary and proposed as no mining zone. PP also informed that Chaprala Wildlife Sanctuary is at ~13.70 km, SE and notified ESZ Boundary is at ~13.25 km, SE.

The EAC noted that the Project Proponent has submitted the application for diversion of forest area of 185.83 Ha vide Proposal No. FP/MH/MIN/150468/2021 dated 24.12.2021 and application for Wild Life Clearance vide Proposal No. FP/MH/MIN/150468/2021 dated 05/02/2022.

Project Proponent informed the EAC that authenticated letter has not been obtained from the National Tiger Conservation Authority (NTCA) regarding Tiger corridor and the distance from the mine lease area. The EAC opined that the comments

from the National Tiger Conservation Authority (NTCA) is a prerequisite for further consideration of the instant proposal for Terms of Reference (ToR). Therefore, the EAC **deferred** the proposal and asked the Project Proponent to submit the comments from the National Tiger Conservation Authority (NTCA) w.r.t Tiger corridor and State authority for wildlife corridor.

2.4 Taliha Graphite Deposit of M/s Sthenos Cement Private Limited for mining of Graphite with proposed production capacity of 4,10,879 TPA (ROM) of Graphite, Topsoil: 82,201.99 TPA, OB/SB/IB: 3,58,926.45 TPA, Total Excavation: 8,52,007.4 TPA along with the setting up of five mobile crushers at pit mouth with capacity of 100 t/h each to crush the mineralized material to <80 mm size in the mine lease area of 496.0 Ha, located at Village Taliha, Tehsil Taliha, Upper Subansiri District, Arunachal Pradesh – [Proposal No: IA/AR/MIN/285470/2022, F.No: IA-J-11015/32/2022-IA-II(NCM), Consultant: VardanEnviroNet] –Terms of Reference (ToR)

The instant proposal is for mining of Graphite in Taliha Graphite Deposit with proposed production capacity of 4,10,879 TPA (ROM) of Graphite, Topsoil: 82,201.99 TPA, OB/SB/IB: 3,58,926.45 TPA, Total Excavation: 8,52,007.4 TPA along with the setting up of five mobile crushers at pit mouth with capacity of 100 t/h each to crush the mineralized material to <80 mm size in the mine lease area of 496.0 Ha, located at Village Taliha, Tehsil Taliha, Upper Subansiri District, Arunachal Pradesh. The mine lease area is located between Latitude: 28°13'30.539"N to 28°14'41.651"N and Longitude: 94°07'6.850" E to 94°09'26.539"E. The mine lease area falls under the Survey of India Toposheet No: 82L/4 and falls in Seismic Zone-V. The Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth.

2. The Project Proponent has made an online application vide proposal no: IA/AR/MIN/285470/2022 dated 26.07.2022 and submitted Form-1 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 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. Details of Mine Lease:

S. No	Lease Particulars	Date of Grant	Mineral	Mine lease area, Ha	Period	Granted by
-------	-------------------	---------------	---------	---------------------	--------	------------

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

1	Letter of Intent for grant of mining lease vide Lr No DGM/ML/GHP T/SCPL/470/2 019/3014-3020	21.08.2019	Graphite	496	50 years	Govt. of Arunachal Pradesh
2	Grant of mining lease vide Lr No DGM/ML/GHP T/SCPL/470/2 019/4019-32	29.01.2021	Graphite	496	50 years	Govt. of Arunachal Pradesh

ii. Details of executed Mine leases:

S. No	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	05.02.2021	04.02.2071	Mining lease deed executed on 29.01.2021 between the Governor of Arunachal Pradesh and M/s Sthenos Cement Private Limited and registered on 05.02.2021 for the term of 50 years.

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

Private land	476.78 ha
Public road	7.74 ha
River	11.48 ha
Total Mining lease area (MLA)	496.00 ha
Private land for crusher, workshop & other infrastructure outside the MLA	None

iv. Mining Plan details:

Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines (IBM)	Letter No.	IBM/GHY/AP/US/GRPT/MP-95
	Date	12.08.2021
	Mineral	Graphite
	Mine lease area	496 Ha
	Validity	2021-22 to 2025-26
Mining Parameters	Quantitative Description	
Method of Mining	Fully mechanized open cast mining method with	

	formation of benches by drilling and blasting
Total Mineable Reserves	29,29,424 Tonnes
Life of mine	12 years (as per present reserve and resources and likely to be enhanced subject to the outcome of the proposed future exploration)
Bench Height	5 m
Bench Width	7.5 m
Individual bench slope	70°
Overall pit slope	28°
Drilling/Blasting	Drilling will be carried out using 100 mm dia. Drill with 2 m burden & 3m spacing and 5.5 m. Approx. 29 number of holes will be required to be blasted per day. Emulsion/slurry explosive/ ammonium nitrate fuel oil mixture (ammonium nitrate: fuel oil = 94:6 by weight) may be used. Total 38,688 kg of explosive will be required per month.
Dumpers capacity	20 tonne
Transportation details	Graphite ore within the mine lease area: through dumper of 20 t capacity. Sized Graphite Ore outside the mine lease area: through covered truck. The excavated waste and Graphite bearing material (GBM) will be transported to dump and stock yard respectively through trucks.
Mineral Processing	No mineral processing proposed, only five mobile crushers at pit mouth with capacity of 100 t/h each to crush the mineralized material to <80 mm size
Waste Generation	PP submitted that the waste includes top soil, graphite bearing material, gneisses (calc gneiss, biotite gneiss, granite gneiss), calc silicate rock and quartzite. PP reported that it is estimated that around 32,016.91 cu.m of Topsoil, 35,543.38 cu.m. of Gneisses and Calcsilicate rock, 1,37,789.54 cu.m of graphite bearing material and 503.78 m ³ of quartzite will be generated during plan period.
Waste Management	PP reported that the Topsoil will be reused for plantation purposes, immediately upon excavation. The entire quantity of quartzite and approx. 66% of excavated quantity of gneiss(calc gneiss, granite gneiss, biotite gneiss) and calc silicate rock would be utilized for road, safety berm, retaining wall (protective measures) construction and all other infrastructure development. Rest approx. 34% of gneisses and calc silicate rock would be kept as

	dump. The graphite bearing material will be temporarily stocked in stockyard. Periodically, it would be analyzed from government laboratory and after analysis, the material having FC value $\geq 2\%$ (Threshold value) would be sold accordingly.
Working days	200 days/ year, 1 shift/day, 7 hours/shift

v. Water requirement:

Total water requirement	274.0 KLD	Fresh water	274.0 KLD
		Treated water	-
Source	Subansiri River/ Ground water, with prior permission		
Permission	PP submitted that the permission will be obtained prior to mining operation		
Wastewater Generation	PP reported that 3.2 m ³ /day domestic waste water will be discharged via septic tank.		

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

Particulars	Particular's Name	Distance & Direction
Village	Taliha	Within the mine lease area
Town	Daporijo	44 km, South
Railway station	Silapathar	260 km, SE
Highway	NH-13	44 km, S
River	Subansiri River	Within the mine lease area

vii. 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	PP reported that there is no forest land involved in the mine lease area and the same has been confirmed by the DFO (Daporijo Forest Division) vide letter dated 25.06.2022.
National Park	No	
Wildlife Sanctuary	No	
Eco Sensitive Zone	No	

viii. Green belt/plantation details:

Proposed area for green belt/plantation	0.845 ha
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	7.59
50 m safety zone of nallah, roads, electric lines	69.1 ha for nalla. 45 m wide safety zone along Road (excluding safety zone along ML boundary): 70.64 ha

	60 m wide safety zone along River course (excluding safety zone along ML boundary): 29.57 Ha
Additional information (if any)	PP reported that approx. 125 trees to be cut and that the trees are of non-forestry species, and necessary permissions would be obtained, if required, since land is privately owned and is certified not to be a forest area.

ix. Rehabilitation & Resettlement (R&R):

R & R details	PP submitted that there are three villages within the mine lease area with total of 2,389no.speoplresiding. However, as no settlement is going to be affected, so no rehabilitation and resettlement facility is anticipated.
---------------	---

x. Court case details:

Court Case	<p>Yes, a) Name of Court: Hon'ble High Court Gauhati b) Case no: WP(C)/1104/2022</p> <p>The Project Proponent reported that there is a court case pending before the Hon'ble High Court Gauhati vide WP (C)/1104/2022 titled STHENOS CEMENT PRIVATE LIMITED and ANR, v. the Union of India and 3 Ors. The petition challenges the revocation of the mining plan of Sthenos Cement Private limited by the regional Controller of Mines, Indian Bureau of Mines, Bhubaneswar. The Hon'ble High Court has on 08.03.2022 stayed the operation of the revocation of the approval of the Mining Plan. The said stay has been continued by subsequent orders dated 04.04.2022 and 26.04.2022. The said stay order is valid and subsisting.</p>
------------	---

xi. Details of Project Cost and Employment:

Particulars	(Rs. In Crore)
Project Cost	78.82 Crores
Employment	127 nos.

4. Observation and Recommendation of the Committee:

The EAC on viewing the KML file noted that the mine lease area is located at highly elevated area (315 m-740 m) and Subansiri River (11.48 ha) is flowing inside the mine lease area and the Public road of 7.74 ha is also passing through the mine lease area. The Project Proponent informed the EAC that there is no proposal for diversion of nala or river inside the mine lease area and also safety distance of 45m has been left on either side of the road. The EAC asked the Project Proponent to verify the safety distance as per the mines act and rules. The EAC also noted that the mine lease area falls in Seismic Zone-V. Project Proponent informed the EAC that there is no forest land involved in the mine lease area, National Park, Wildlife Sanctuary, Eco Sensitive Zone and Critically Polluted Area within 10 km radius of the study area.

The EAC observed that there are three villages within the mine lease area with a total population of 2,389. The Project Proponent informed the EAC that no settlement is going to be affected, so no rehabilitation and resettlement plan is anticipated. The EAC was of the view that the status of R&R plan still needs to be ascertained by the Project Proponent. The EAC also noted that approx. 125 no. of trees to be cut. Project Proponent informed the EAC that the compensatory afforestation will be taken up in consultation with the Forest Department.

The EAC asked the Project Proponent about the distance of dump from the Subansiri river. PP informed the EAC that the distance is about 750 meters from the Subansiri river. The EAC also asked the Project Proponent about the past occurrence of flooding in Subansiri river and whether there are any chances of flooding in the mine lease area. The Project Proponent informed the EAC that no flooding event occurred in the past and elevation is much higher, hence, no chance of flooding inside the mine lease area. The EAC opined that the Project Proponent should bring out the action plan for shifting the dump, Sewage Treatment Plant (STP)/Effluent Treatment Plant (ETP) as well as habitation away from the river and to give detailed note on proper justification for site selection for dump.

The EAC also noted that area under mining will be approximately only 13.27 ha out of 496.0 ha till the conceptual period. The EAC was of the view that to mine only 13.27 ha why such large area of 496.0 ha is required. The EAC asked the Project Proponent to give proper justification for utilization of land use pattern in the core zone till the conceptual period.

The Project Proponent informed the EAC that the five mobile crushers at pit mouth with capacity of 100 t/h each to crush the mineralized material to <80 mm size in the mine lease area of 496.0 Ha. The EAC advised the Project Proponent to explore the possibility of increasing the capacity of the mobile crusher and reduce the number of mobile crushers from five to three.

The EAC asked the Project Proponent about the status of the court case w.r.t. revocation of the approval of the Mining Plan. The Project Proponent informed the EAC that the Mining Plan was revoked on the ground that the (i) Mining Plan has been approved after the grant/execution of the lease deed and (ii) the rights of the Project Proponent had been extinguished on 28.03.2021 in the absence of an executed lease, in view of the MMDR Amendment Act, 2021. Thereafter, the Project Proponent challenged the revocation of the approval of the Mining Plan in the Hon'ble High Court of Assam, Nagaland, Mizoram and Arunachal Pradesh and the Hon'ble High Court on 08.03.2022 has stayed the operation of the revocation of the approval of the Mining Plan. The said stay has been continued by subsequent orders dated 04.04.2022 and 26.04.2022. Further, the Project Proponent said that the stay order is valid and subsisting and matter is sub-judice. The EAC was of the view that the current status of the mine lease area/mining plan is in question and hence the EAC asked the Project Proponent to submit the current status of the mine lease area/ mining plan from the State Government w.r.t Section 10(A)(2)(b) of MMDR Amendment Act, 2021.

Therefore, the EAC **deferred** the proposal and was of the view that the proposal may be considered after the submission of the present status of the mine lease area/ mining plan from the State Government w.r.t Section 10(A)(2)(b) of MMDR Amendment Act, 2021. The project proponent also requested to provide the action plan for shifting the dump, Sewage Treatment Plant (STP)/Effluent Treatment Plant (ETP) as well as habitation away from the river and to give detailed note on proper justification for site selection of waste dump. R&R plan needs to be also ascertained by the Project Proponent.

Day 3: 18th August, 2022 (Thursday)

3.1 Expansion in Environmental Clearance of Mohanpura – Jodhpura Limestone Mine of M/s UltraTech Cement Ltd. in Mine Lease Area of 548.78 ha for increase in Production Capacity of Limestone from 6.0 MTPA to 10.50 MTPA (ROM), 5.72 MTPA Waste rock, 0.53 MTPA clay/Sub soil and 0.05 MTPA, Top Soil generation (Total Excavation: 16.8 MTPA) with existing Crusher Capacity of 1600 TPH; proposed additional Crusher Capacity of 1600 TPH at Villages Mohanpura, Kujota, Mahrampura (Rajput), Maharampura (Nawab), Kansli, Tehsil Kotputli, District Jaipur, Rajasthan - [File No. J-11015/350/2008-IA.II(M); Proposal No. IA/RJ/MIN/8653/2008] – Environment Clearance

1. Project details:

Name of the project proponent	M/s UltraTech Cement Limited		
Location	Villages	Mohanpura,	Kujota, Mahrampura

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

		(Rajput), Maharampura (Nawab), Kansli
	Tehsil	Kotputli
	District	Jaipur
	Latitudes	27°39'47.68" to 27°41'40.74" N
	Longitudes	76° 06' 27.61" to 76 ° 08' 40.21" E
	SoI Topo sheet No.	Core zone – G43E2 Buffer Zone – G43E2 & G43E1
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	The Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth.	
Seismic zone	Zone II 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 and Project Activity 2 (b) (3) for Mineral Beneficiation (Crusher with Wobbler).
Provisions	EIA Notification dated 14 th September, 2006
Mining lease Area	548.78 Ha

3. The proposal was earlier considered in the 51st EAC meeting held on 30th May, 2022. After the detailed deliberations, the Committee noted that the compliance of Environmental Clearance with Limestone Production Capacity of 6.0 million TPA vide letter dated 30.04.2010 are not satisfactory in terms of plantation and Rehabilitation & Resettlement. Work done to address the public concerns of the Public Hearing done in the year 2010 are not fully complied. The project proponent could not also convince the Committee on active dump composition on the utilizing manufacturing aggregate and manufacturing sand as well as dump which are closed and ready for plantation. The permission to access the dump also has to be a part of mining plan. Therefore, the Committee deferred the proposal due to want of the requisite information. The Project Proponent vide Lr. No:UTCL/ENV/MUM/2022/76 dated 15.06.2022 submitted the information and accordingly the proposal was reconsidered in the 2nd EAC (Non-Coal Mining) meeting held during 16th – 18th August, 2022.

Based on observation of EAC and compliance of observation of EAC made by Project Proponent, are detailed below:

S. No	Observation of EAC	Reply by Project Proponent
1	The project proponent needs to comply the specific conditions given in the earlier Environmental Clearance dated 30.04.2010	The Project Proponent submitted that as per MoM, 3 specific conditions given in the earlier Environmental Clearance dated 30.04.2010 were discussed for proper compliance. Plantation/green belt development is our ongoing program. Plantation has been developed in the safety zone around the mining lease area/ around areas of mining activities. Green belt is being developed in a progressive manner as per mine closure plan. PP also submitted that six-monthly compliance report has been regularly submitted to the Integrated Regional Office, MoEF&CC, Lucknow/ Jaipur. PP is having mining lease area, whose periphery perimeter is about 10093 metres. So, considering safety zone width of 7.5 m, the target area for green belt along the periphery comes about 7.57 Ha. But due to non-availability of land under possession at the periphery of mining lease area and some of village habitations are on non-mineralised area will not be disturbed. Hence, to protect the village habitats, green belt has been developed in the safety zone of the mining activity area. Green belt of 7.5 m has been developed around the safety zone of active mining area. So, total greenbelt developed is about 8.20 Ha., which is higher than 7.57 Ha. as stated above. Further, PP submitted that the Plantation has been developed in the safety zone around areas of mining activities as per approved mining plan by planting native species with consultation and authenticated by Range Forest Officer, Kotputli. Native species like Neem, Kala Siris, Karanj, Shisham. Khair, Gulmohar, Amaltas, Khejri, etc. have been planted. So far, 96, 321 no. of plants have been planted, which includes different native species covering 53.0 hectares of mining lease area & out of which 87209 no. of plants have survived with survival

	<p>rate of about 90.5%. Presently total land put to use for mining & allied activities is about 110.99 ha. Plantation/greenbelt has been developed over 53.0 ha of land, which is about 47.75% of total land put to use. PP already exceeded the required 33% area under plantation/greenbelt as per condition in the CTO. Plantation/greenbelt development shall be continued up to the end of mine life as per Mining Plan approved by Indian Bureau of Mines. PP also submitted the year wise compliance status of greenbelt and plantation from the year 2007-08 to 2021-22 with no. of saplings planted, area covered, saplings survived and survival rate.</p> <p>Project Proponent submitted the implementation status of issues raised during public hearing held on 05.05.2005. PP reported that Rs 3081.17 Lakhs has been spent towards addressing the issues raised during public hearing.</p> <p>Project Proponent submitted the implementation status of Rehabilitation & Resettlement (R&R) plan. PP reported that compensation of Rs 68.45 Cr was paid to the Project Affected Families of 91 no.s. PP also submitted that Rs 3.38 Cr has been spent towards expenditure for land for providing plots and Rs 2.68 Cr towards expenditure for Welfare/ amenities. Thus, PP has spent Rs 74.51 Cr towards R&R plan.</p> <p>Further, PP submitted that Certification of existing compliance of EC condition has been done by Integrated Regional Office, Jaipur vide letter dated 05.02.2021 and 29.05.2022. The project was inspected/monitored on 24.05.2022 for the purpose of issuing certified compliance report of EC dated 30.04.2010 along with the key observations.</p>
--	---

2	The project proponent needs to obtain the permission to access the dump by including it in the mining plan which needs to be approved by the Indian Bureau of Mines	Project Proponent submitted that the letter obtained from the Indian Bureau of Mines(IBM), Ajmer vide letter dated 01.03.2021 wherein the IBM conveyed that the State Govt. may permit for disposal of stacked Dolomitic Limestone for use (manufacturing of aggregate/M-Sand) as minor mineral with certain conditions. PP also submitted the relevant extract (Pg.No: 63 & 64 of Mining Plan) of accessing the dump in approved Modification in Review of Mining Plan along with Progressive Mine Closure Plan vide letter dated 17.09.2020 for use of dolomitic limestone for manufacturing of coarse aggregate/ M-Sand as Minor Mineral.
3	The air pollution that is likely to cause due to removal of dump and its transportation impact needs to be worked out and re-submit	<p>The Project Proponent submitted that at any point of time, maximum (peak) 20 Lakh TPA of waste material (Rough Stone-Dolomitic Limestone) i.e., 6061 TPD will be transported from the Kotputli Mine Area to Ready Mix Concrete Units in Gurgaon, Noida as well as Jaipur by the means of Road through 35 Tonnes capacity trucks. PP also submitted that there is a proposal for dispatch of 20 lakh tonnes/annum of waste. LOI for 7,02,372 tonnes in the 1st year has been obtained from Office of the Department of Mines & Geology at Kotputli vide their letter noAME/Kot/CC/Major/M.L-03/03(R)/1585 dated 25.01.2022. For subsequent years, waste material will be dispatched after taking necessary approval from the Competent authority.</p> <p>PP reported that there will be to & fro movement of maximum 346 (2 X 173) waste material carrying trucks per day from mine to aggregate crushers units. This will be the worst-case scenario, which has been considered for traffic impact assessment study. It should be noted that the term “waste rock carrying trucks” as depicted above is used for loaded and unloaded trucks. PP has considered the</p>

		activity such as overburden unloading and exposed O.B dump for prediction of emission rate and emission load. Impact prediction has been done due to transport of waste material through road to National highway and predicted incremental value of PM ₁₀ is estimated as 1.24 µg/m ³ .
4	Revise and submit the data of the water quality monitoring in the mining pit and assess the carbonation property of the water by Langelier's saturation index and re- submit	The Project Proponent submitted that the baseline data for the environmental studies has been collected during Winter Season (December, 2019 to February, 2020). Carbonation property of the water has been done by Langelier's saturation index study. As per study water analysis has been done for mine pit water. Parameters like PH was recorded as 7.66, TDS as 396 mg/l, Total hardness as 259.68 mg/l and Fluoride as 0.22 mg/l. PP reported that as per study, there is no scale formation from mine pit water.
5	Revise and submit the Ground water table for the levels of ground water for pre-monsoon and post monsoon seasons	Project Proponent reported that water table in the area is recorded as 332-312 m AMSL (40 - 60 m bgl) during Pre-Monsoon and 337-322 m AMSL (35 - 50 m bgl) during post monsoon.
6	Impact of additional crusher on the housing colony and the road traffic adjacent to mine needs to be submitted, with and without controlled measures.	Project Proponent submitted the two Crusher one existing and one proposed with varying production capacity in TPH were selected for the study based on the accessibility and load, three activities were performed for the study i.e., Activity 1 (For Existing Crusher Day Night Lmax, Lmin & Leq 24 hrs monitoring) at 10 locations, Activity 2 (For Proposed Crusher Day Night Lmax, Lmin & Leq 24 hrs monitoring) at 3 locations and Activity 3 Existing Crusher (Isotropic in all direction 1 hr monitoring 100 m, 250 m & 500m distance). PP reported that the maximum level of noise was found inside crusher area without acoustic enclosure. It is found 93.6 dB in daytime, crusher is not running at nighttime, so activity of nighttime goes down, leq at nighttime found 45.6 dB,

		<p>second maximum noise level was found outside the crusher area at entry gate of crusher. It is found 81.3 dB at daytime and nighttime is 44.1 dB. Noise monitoring at proposed crusher, noise level is found is 57.8 dB at day time and 42.6 dB at night time, noise level found slightly high at proposed crusher location due to nearby mining activity. Baseline noise levels towards receptor varied from 51.2 to 54.0 Leq dB (A) during daytime and from 41.2 to 43.3 Leq dB(A) during nighttime in study area.</p> <p>Further, PP reported that model reflects noise levels due to operation of Crusher and HEMMs viz. Dozer, Grader, Drills, Hydraulic Excavators, Rock Breakers, Loader, Dumpers, Tippers, water tankers and other medium sized vehicles within lease area. The highest predicted levels of generated noise will be within the crusher area. After 100-200 m distance from crusher not much noise is anticipated from crusher operation, it is found to be about 40-45 dB(A).The receptor distance from source is near by 1.92 meters, at this point there is not any impact of crusher noise, at this point incremental noise is 28.0 dB(A) as predicted from model. After running of proposed crusher there is also no impact of receptor with respect to Noise. Impact of crusher noise generated on receptors is found well within the prescribed standards for residential area.</p> <p>PP reported that the air quality modeling has been carried out for the proposed additional Crusher Capacity of 1600 TPH of crushing activity considering as point source and submitted that the incremental value found to be 1.07 µg/m³.</p>
7	The project proponent needs to submit the timeline for shifting the village as well as timeline for dump plantation	Project Proponent submitted the timeline for shifting of Village Kujota which will be till March, 2024 and timeline for dump plantation/stabilization will be March, 2023.

8	As per the KML, the dump site 4 is located outside the executed mine lease area. It seems to be a case of violation as per the judgment of Hon'ble Supreme Court. PP needs to submit the clarification from DMG	Project Proponent submitted that the clarification sought from the Department of Mines & Geology vide letter dated 07.07.2022 stating that all the dumps were found inside the mining lease area.
---	---	---

4. Observation and Recommendation of the Committee:

The EAC deliberated on the additional details submitted by the Project Proponent and the EAC noted that the Project Proponent proposed to use stacked Dolomitic limestone for manufacturing of coarse aggregate/M-Sand as Minor Mineral. The Project Proponent informed the EAC that the mining lease has been granted for mining of Limestone only which is a major mineral and the Dolomitic Limestone generated during mining as minor mineral for manufacturing of coarse aggregate/M-Sand with due permission from the State Government. The Project Proponent also informed the EAC that the royalty is being paid to the State Government and the request letter has been submitted to the State Government on 01.03.2021 for grant of permission to use & sale of Dolomitic Limestone as Minor Mineral for removal of 6,00,000 & 7,02,372 tons respectively for the period 2020-21 to 2021-22.

The EAC was of the view that the Project Proponent proposes to use & sale Dolomitic Limestone as 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 Project Proponent. The EAC also noted that there is no mention of use & sale of Dolomitic Limestone as Minor Mineral in the State Government letter dated 26.06.2018 and the mine lease deed executed on 31.01.2018, whereas the approved mining plan dated 17.09.2020 mentioned about the proposal to use & sale of Dolomitic Limestone as Minor Mineral for manufacturing of coarse aggregate/M-Sand. The Project Proponent informed the EAC that the matter regarding to use & sale of Dolomitic Limestone as Minor Mineral will be consulted with the State Government and accordingly letter will be submitted.

The EAC noted that the Project Proponent has the utilized the same baseline data of water quality for assessing the Langelier's saturation index whereas the EAC asked the Project Proponent to revise and submit the data for assessing Langelier's saturation index w.r.t additional details sought point no: 4. Also, the EAC noted that the Project Proponent has considered only the impact of additional crusher on the housing colony and not considered the impact of road traffic adjacent to the mine lease area w.r.t additional details sought point no.6.

The EAC was of the view that it is necessary to ascertain the ground reality on plantation, present mining status and status of R&R. The EAC was of the view that a site visit needs to be conducted by a sub-committee comprising of EAC Members and officers from MoEF&CC. The EAC advised to Ministry to constitute a sub-committee for site visit. The EAC noted that the project proponent failed to address the ADS points raised during last EAC meeting properly. Therefore, the EAC **deferred** the proposal and was of the view that proposal may be considered after the submission of the site visit report by sub-committee along with the following additional information: -

- i. The Project Proponent needs to submit the key observations of Integrated Regional Office report dated 29.05.2022 in PARIVESH w.r.t additional details sought point no.1.
- ii. The Project Proponent needs to submit the incremental and cumulative predicted ground level concentrations and isopleths of parameters such as SO₂ and NO_x w.r.t to removal of dump and its impact on transportation w.r.t additional details sought point no.3.
- iii. The EAC noted that the Project Proponent has the utilized the same baseline data of water quality for assessing the Langelier's saturation index. Hence, the Project Proponent needs to revise and submit the data for assessing Langelier's saturation index w.r.t additional details sought point no: 4.
- iv. The EAC noted that the Project Proponent has considered only the impact of additional crusher on the housing colony and not considered the impact of road traffic adjacent to the mine w.r.t additional details sought point no.6. Hence, the Project Proponent needs to revisit the same and accordingly should the impact of road traffic adjacent to mine.
- v. The Project Proponent needs to submit the letter from the State Government regarding use & sale of Dolomitic Limestone as Minor Mineral for manufacturing of coarse aggregate/M-Sand as committed by the Project Proponent during the meeting.
- vi. As there is no mention of use & sale of Dolomitic Limestone as Minor Mineral in the State Government letter dated 26.06.2018 and in the mine lease deed executed on 31.01.2018, whereas the approved mining plan dated 17.09.2020 mentioned about the proposal to use & sale of Dolomitic Limestone as Minor Mineral for manufacturing of coarse aggregate/M-Sand. Project proponent needs

to either include the minor mineral in the mine lease document or give an undertaking to stack/store (not to use) the minor mineral produced during the mining within the mine lease area.

- 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 in PARIVESH.

3.2 Humdara - Ghodepaiwadi block of Bauxite Mine of M/s Gamma Iron India Ltd with the proposed production capacity of 0.3 MTPA along with mobile crushing and screening plant having a capacity of 100 TPH in the mine lease area of 120.48 ha, located at Hamdara–Ghodepaiwadi, Sagave Village, Rajapur Tehsil, Ratnagiri District, Maharashtra - [Proposal No: IA/MH/MIN/240932/2021, File. No: IA-J-11015/106/2021-IA-II(NCM)] - Reconsideration for ToR

1. Project details:

Name of the Proposal	Mining of Bauxite in Humdara-Ghodepaiwadi block with the production capacity of 0.3 MTPA along with mobile crushing and screening plant having a capacity of 100 TPH in the mining lease area of 120.48 ha.	
Location	Village	Hamdara- Ghodepaiwadi
	Tehsil	Rajapur
	District	Ratnagiri
	State / UT	Maharashtra
	Latitudes	16°31'5.704"N to 16° 31'38.06" N
	Longitudes	73°23'11.61"E to 73° 24' 23.50" E
	SoI Toposheet No.	47 H/6
Company's Name	M/s Gamma Iron India Ltd.	
Accredited Consultant and certificate no.	Mineral Engineering Services NABET/EIA/1922/RA0158	
KML file	The Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth.	
Seismic zone	II	

2. Category details:

Category of the project	Category "A", Project or Activity: 1(a) Mining of Minerals
Provisions	As per EIA Notification S.O. 1533 (E), dated 14 th September 2006 and subsequent amendment
Mining lease Area	120.48 ha

3. The proposal was earlier considered in the 46th EAC meeting held during 15th to 17th February 2022. Based on the deliberations made by the project proponent and the consultant, the Committee noted that earlier the proposal was considered in the 43rd EAC meeting held during 14th to 16th December, 2021 wherein additional details were sought on 24.12.2021 and the project proponent replied on 18.01.2022. The Committee felt that the reply of ADS point no. 1 i.e. 'The project proponent needs to submit a clear-cut map showing exact distance of the mine lease area from the Western Ghats duly authenticated by the concerned authorities' is not satisfactory and since the instant mine lease is in close vicinity of the ESA of Western Ghats, more clarity is required for the appraisal of this proposal. Therefore, the Committee deferred the proposal and directed the project proponent to submit a letter from the State Authority stating that the project site is not falling under ESA of Western Ghats. The Project Proponent vide Lr. No: GIIL/272/2022-23 dated 25.07.2022 submitted the information and accordingly the proposal was reconsidered in the 2nd EAC (Non-Coal Mining) meeting held during 16th - 18th August, 2022.

Based on observation of EAC and compliance of observation of EAC made by Project Proponent, are detailed below:

S. No	Observation of EAC	Reply by Project Proponent
1	The project proponent needs to submit a clear-cut map showing exact distance of the mine lease area from the Western Ghats duly authenticated by the concerned authorities	<p>The Project Proponent submitted that the request letter has been submitted to the Member Secretary, Maharashtra State Biodiversity Board vide letter dated 23.06.2022 to provide the certificate stating that the mining lease area is not falling in ESA of Western Ghats along with authentication of the map. The Principal Chief Conservator of Forests & Member Secretary, Maharashtra State Biodiversity Board vide letter dated 20.07.2022 informed that the Maharashtra State Biodiversity Board has no mandate to issue such certificates and requested to contact with the concerned District Officials in this regard.</p> <p>The Project Proponent has now approached the Forest Department, Govt.of Maharashtra to provide a certificate clearly stating that the subject mining lease does not form</p>

		<p>part of any ESA villages as given draft notification vide SO.No. 3072(E) dated 06.07.2022.</p> <p>The Project Proponent also submitted that the Hon'ble Supreme Court of India in IA No 1000 of 2003 in W.P (C) No. 202 of 1995 titled T.N. Godavarman Thirumulpad vs Union of India & Ors vide order dated 3rd June 2022 in a matter pertaining to ESZ/Safety zone for mining activities has disposed by ordering that "Each Protected forest that is National Park or Wild life Sanctuary must have an ESZ of Minimum One Kilometer measured from the demarcated boundary of such protected forest in which the activities prescribed in the Guidelines of 9th February 2011 shall be strictly adhered to".</p> <p>The Mining lease area in village Sagave is at the distance of 47.6 km from the nearest Radhanagari Wild Life Sanctuary and at the distance of 44.4 km from nearest ESZ boundary of Radhanagari Wild Life Sanctuary in Kolhapur District which is notified. Thus it can be seen that the project does not violate any norms concerned with NBWL / FC Act 1980.</p> <p>The Mining lease area is not falling within 1km of ESA (Boundary of village Palye falling in ESA) of Western Ghat as per the MoEF&CC First Draft Notification dated 10.03.2014 or in Second Draft Notification dated 04.09.2015 or in Third Draft Notification dated 27.02.2017 or in Fourth draft notification dated 03.10.2018 or in Fifth draft notification dated 06.07.2022. Since the authentication certificate sought is for the area which</p>
--	--	---

		is pending and in draft stage, Project Proponent requested the Ministry to seek clarification from the WG-ESA division of MoEF&CC or from NBWL of MoEF&CC.
--	--	--

4. Observation and Recommendation of the Committee:

The EAC noted that the instant mine lease area is 120.48 ha and also Project Proponent submitted that in Form 1, under S.No: 7 the proposal does not attract the general conditions as per EIA Notification, 2006. The Project Proponent informed the EAC that the Palve Village is located at a distance of 1.7 km from the Western Ghats Eco Sensitive Area and this instant proposal attracts the general conditions as per EIA Notification, 2006 and in Form 1 it was wrongly mentioned that the proposal does not attract the general conditions as per EIA Notification, 2006.

During, the EAC meeting, the Project Proponent presented the letter issued by the Divisional Forest Officer, Ratnagiri (Chiplun) dated 22.07.2022 stating that as per the published notification regarding Western Ghat Eco Sensitive Area dated October 3, 2018, Sagave Village, Rajapur Taluka, Ratnagiri District is not included in the Western Ghats Eco Sensitive Area. Project Proponent also informed the EAC that the Palve Village of Western Ghats Eco Sensitive Area is located about at a distance of 1.7 km from the mining lease area. The EAC also noted the presence of Mangroves, Mango and Cashew plantation over an area of 12.56 ha inside the mine lease area. Further, the EAC observed that the Arabian Sea is located at a distance of 7.7 km from the mine lease area.

Due to close proximity of Western Ghats Eco-Sensitive Area (ESA), the EAC was of view that Ministry's Integrated Regional Office (IRO), Nagpur and a senior officer from Forest Department, Maharashtra Government may be requested for a joint visit to the site for ground truthing and submit the report to the Ministry. After detailed discussions, the EAC **deferred** the proposal.

3.3 Extension of Validity of Terms of Reference (ToR) dated 19.07.2019 granted to M/s Shri Subhaschandra Mahantappa Modi for mining of 1.0 MTPA of Limestone in Hebbal Limestone Mine in the mine lease area of 70.82 Ha, located at Hebbal Village, Mudhol Taluk, Bagalkot District, Karnataka – [Proposal No: IA/KA/MIN/277640/2022, F.No: 23-178/2018-IA.III (V), Consultant: Sri Sai Manasa Nature Tech Pvt Ltd] - Extension of Validity of Terms of Reference (ToR)

The instant proposal is for Extension of Validity of Terms of Reference (ToR) dated 19.07.2019 granted to M/s Shri Subhaschandra Mahantappa Modi for mining of 1.0 MTPA of Limestone in Hebbal Limestone Mine in the mine lease area of 70.82 Ha,

located at Hebbal Village, Mudhol Taluk, Bagalkot District, Karnataka. The mine lease area is located between Latitude: 16°11'12.4"N to 16°11'44.8"N and Longitude: 75°20'08.0"E to 75°21'08.2"E. The mine lease area falls under the Survey of India Toposheet No: 47P/7 & 8.

2. The Project Proponent has made an online application vide proposal no: IA/KA/MIN/277640/2022 dated 03.08.2022 and submitted Form 5 under the provisions of the EIA Notification, 2006.

3. The details of the previous Terms of Reference (ToR) is furnished below: -

Date of Application	File No/ Proposal No	Consideration	Details of Terms of Reference (ToR)	Date of Grant of ToR
07.08.2017	23-178/2018-IA.III (V) IA/KA/MIN/67257/2017	EAC (Violation) meeting held during 11-12 July, 2018	Mining of 1.0 MTPA of Limestone in Hebbal Limestone Mine in the mine lease area of 70.82 Ha, located at Hebbal Village, Mudhol Taluk, Bagalkot District, Karnataka and the ToR is valid upto 18.07.2022.	19.07.2019

4. The Project Proponent submitted that the Public hearing was conducted on 17.05.2022 and public hearing proceedings are yet to be issued by the District Commissioner, Bagalkot, Karnataka. The Terms of Reference (ToR) expired on 18.07.2022. In this connection, the Project Proponent requested for extension in validity of ToR dated 19.07.2019 for a period of another one year i.e. upto 19.07.2023.

5. Observation and Recommendation of the Committee:

The EAC noted the instant proposal is for extension in validity of ToR dated 19.07.2019 for a period of another one year i.e. upto 19.07.2023. The EAC observed that the Project Proponent obtained Terms of Reference (ToR) on 19.07.2019 and the ToR was valid upto 18.07.2022. The EAC also observed that as per Ministry's Notification vide S.O. 751(E) dated 17.02.2020, *the Terms of Reference for the projects or activities except for River valley and Hydroelectric projects, issued by the regulatory authority concerned, shall have the validity of four years from the date of issue.* The EAC opined that the validity of Terms of Reference for this instant proposal is already

valid upto 18.07.2023 as per Ministry's Notification dated 17.02.2020 and therefore, the EAC returned the proposal in present form.

3.4 Terms of Reference of M/s Rain Cements Limited (RCL) for enhancement of Limestone production from 1.60 MTPA (ROM) to 3.94 MTPA (ROM) with total excavation of 3.9475 MTPA (ROM 3.94 MTPA + TS 0.0075 MTPA) in the mine lease area of 417.95 ha, located at Revoor & Mellacheruvu Villages, Mellacheruvu Mandal, Suryapet District, Telangana – [File No: J-11011/152/2008-IA.II(I), Proposal No: IA/TG/MIN/256638/2022; Consultant: Vimta Labs Limited] - Terms of Reference (Expansion) – reg.

The proposal of M/s Rain Cements Limited (RCL) is for enhancement of Limestone production from 1.60 MTPA (ROM) to 3.94 MTPA (ROM) with total excavation of 3.9475 MTPA (ROM 3.94 MTPA + TS 0.0075 MTPA) in the mine lease area of 417.95 ha, located at Revoor & Mellacheruvu Villages, Mellacheruvu Mandal, Suryapet District, Telangana. The mine lease area is located between Latitude: 16°49'23.7"N to 16°50'31.6"N and Longitude: 79°57'39.0"E to 79°59'43.7"E. The mine lease area falls under the Survey of India Toposheet No: E44T13 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 obtained Terms of Reference (ToR) vide No. J-11015/246/2016-IA.II(M) dated 13.04.2017 for expansion of Limestone production from 1.60 MTPA ROM to 3.94 MTPA ROM in the mine lease area of 417.95 Ha. Then, PP obtained amendment in ToR on 26.07.2019 for amendment in coordinates of the mining lease and subsequently obtained extension of validity of ToR on 09.03.2020 for one more year i.e., upto 13.04.2021 for the preparation of EIA/EMP report. Thereafter, the Project Proponent vide Lr No. RCL/Limestone Mine/ENV12/2021 dated 07.12.2021 informed that the public hearing got delayed due to COVID situation and our expansion plan is on hold due to various fluctuating market conditions and hereby we decided to withdrawn the earlier Terms of Reference (ToR) and afresh ToR will be submitted.

3. In view of the above, the Project Proponent has applied for fresh Terms of Reference (ToR) vide proposal no:IA/TG/MIN/256638/2022dated 15.02.2022 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 and falls under Category "A" of the schedule of the EIA Notification, 2006 as the mine lease area is greater than 250 ha and appraised at Central level.

4. The proposal was earlier considered in the 48th EAC (Non-Coal Mining) meeting held during 28-30 March, 2022. After detailed deliberations made by the Project

Proponent and the Consultant, the Committee noted that the PP has submitted only the self-certified compliance of the EC conditions and also PP has not clarified about the last certified EC compliance report by Ministry's Integrated Regional Office. The Committee also noted that the PP has not submitted the year wise past production details duly authenticated by Department of Mines and Geology. The committee informed the Project Proponent to submit all the relevant documents for examination of violation in the Ministry. Therefore, the Committee deferred the proposal and was of the view that the proposal may be considered only after the submission of the additional information. In this regard, the Project Proponent submitted the information on 16.07.2022 in PARIVESH and accordingly the proposal is being reconsidered in the 2nd EAC (Non-Coal Mining) meeting held during 16 – 18 August, 2022.

Based on observation of EAC and the compliance of observation of EAC made by the Project Proponent are detailed below:

S. No	Observation of EAC	Reply by Project Proponent
1	The Project Proponent obtained integrated EC on 27.10.2010 in the name of M/s Rain Industries Ltd and applied for ToR in the name of M/s Rain Cements Limited (RCL). PP needs to clarify whether the transfer of EC separately for mining lease area has been obtained by PP or not?	<p>The Project Proponent submitted that the intimation regarding change of the name from M/s Rain Industries Ltd to M/s Rain Cements Limited (RCL) was given to the Andhra Pradesh Pollution Control Board and Central Pollution Control Board (CPCB) vide letter dated 02.03.2011.</p> <p>PP also submitted that the letter sent to the Ministry vide letter dated 23.07.2018 and 24.07.2018 regarding change of the name from M/s Rain Industries Ltd to M/s Rain Cements Limited (RCL).</p> <p>Further, PP submitted that the application for Transfer of EC has been submitted vide Proposal No: SW/280899/2022 dated 30-06-2022.</p>
2	The Project Proponent needs to submit the latest EC compliance report certified by the Ministry's Integrated Regional Office for the EC granted on 27.10.2010.	The Project Proponent submitted the Certified Compliance report issued by the Integrated Regional Office (IRO), Hyderabad vide letter dated 11.05.2022. The site was conducted by the IRO on 09.05.2022.
3	The Project Proponent	The Project Proponent submitted the past

<p>needs to submit the year wise production details certified by the Department of Mines and Geology from the inception of the mining operations to till date.</p>	<p>production details certified by the Department of Mines and Geology, Suryapet vide Lr. No. 667/M2/2008, dated 12.07.2022 from the period 1986-87 to 2021-22.</p>																																																																																																																																			
<table border="1"> <thead> <tr> <th>S. No</th> <th>Year</th> <th>Dispatch Permit (MTPA)</th> <th>EC capacity (MTPA)</th> </tr> </thead> <tbody> <tr><td>1</td><td>1986-87</td><td>0.27</td><td>-</td></tr> <tr><td>2</td><td>1987-88</td><td>0.41</td><td>-</td></tr> <tr><td>3</td><td>1988-89</td><td>0.54</td><td>-</td></tr> <tr><td>4</td><td>1989-90</td><td>0.13</td><td>-</td></tr> <tr><td>5</td><td>1990-91</td><td>0.36</td><td>-</td></tr> <tr><td>6</td><td>1991-92</td><td>0.44</td><td>-</td></tr> <tr><td>7</td><td>1992-93</td><td>0.97</td><td>-</td></tr> <tr><td>8</td><td>1993-94</td><td>0.93</td><td>-</td></tr> <tr><td>9</td><td>1994-95</td><td>1.0</td><td>-</td></tr> <tr><td>10</td><td>1995-96</td><td>0.95</td><td>-</td></tr> <tr><td>11</td><td>1996-97</td><td>1.03</td><td>-</td></tr> <tr><td>12</td><td>1997-98</td><td>1.08</td><td>-</td></tr> <tr><td>13</td><td>1998-99</td><td>1.03</td><td>-</td></tr> <tr><td>14</td><td>1999-2000</td><td>1.03</td><td>-</td></tr> <tr><td>15</td><td>2000-01</td><td>0.97</td><td>-</td></tr> <tr><td>16</td><td>2001-02</td><td>0.88</td><td>-</td></tr> <tr><td>17</td><td>2002-03</td><td>0.82</td><td>-</td></tr> <tr><td>18</td><td>2003-04</td><td>0.41</td><td>-</td></tr> <tr><td>19</td><td>2004-05</td><td>1.01</td><td>-</td></tr> <tr><td>20</td><td>2005-06</td><td>1.01</td><td>-</td></tr> <tr><td>21</td><td>2006-07</td><td>1.17</td><td>-</td></tr> <tr><td>22</td><td>2007-08</td><td>1.16</td><td>-</td></tr> <tr><td>23</td><td>2008-09</td><td>1.24</td><td>-</td></tr> <tr><td>24</td><td>2009-10</td><td>1.17</td><td>-</td></tr> <tr><td>25</td><td>2010-11</td><td>1.08</td><td>1.60</td></tr> <tr><td>26</td><td>2011-12</td><td>0.73</td><td>1.60</td></tr> <tr><td>27</td><td>2012-13</td><td>0.66</td><td>1.60</td></tr> <tr><td>28</td><td>2013-14</td><td>0.48</td><td>1.60</td></tr> <tr><td>29</td><td>2014-15</td><td>0.71</td><td>1.60</td></tr> <tr><td>30</td><td>2015-16</td><td>0.92</td><td>1.60</td></tr> <tr><td>31</td><td>2016-17</td><td>0.95</td><td>1.60</td></tr> <tr><td>32</td><td>2017-18</td><td>0.78</td><td>1.60</td></tr> </tbody> </table>	S. No	Year	Dispatch Permit (MTPA)	EC capacity (MTPA)	1	1986-87	0.27	-	2	1987-88	0.41	-	3	1988-89	0.54	-	4	1989-90	0.13	-	5	1990-91	0.36	-	6	1991-92	0.44	-	7	1992-93	0.97	-	8	1993-94	0.93	-	9	1994-95	1.0	-	10	1995-96	0.95	-	11	1996-97	1.03	-	12	1997-98	1.08	-	13	1998-99	1.03	-	14	1999-2000	1.03	-	15	2000-01	0.97	-	16	2001-02	0.88	-	17	2002-03	0.82	-	18	2003-04	0.41	-	19	2004-05	1.01	-	20	2005-06	1.01	-	21	2006-07	1.17	-	22	2007-08	1.16	-	23	2008-09	1.24	-	24	2009-10	1.17	-	25	2010-11	1.08	1.60	26	2011-12	0.73	1.60	27	2012-13	0.66	1.60	28	2013-14	0.48	1.60	29	2014-15	0.71	1.60	30	2015-16	0.92	1.60	31	2016-17	0.95	1.60	32	2017-18	0.78	1.60
S. No	Year	Dispatch Permit (MTPA)	EC capacity (MTPA)																																																																																																																																	
1	1986-87	0.27	-																																																																																																																																	
2	1987-88	0.41	-																																																																																																																																	
3	1988-89	0.54	-																																																																																																																																	
4	1989-90	0.13	-																																																																																																																																	
5	1990-91	0.36	-																																																																																																																																	
6	1991-92	0.44	-																																																																																																																																	
7	1992-93	0.97	-																																																																																																																																	
8	1993-94	0.93	-																																																																																																																																	
9	1994-95	1.0	-																																																																																																																																	
10	1995-96	0.95	-																																																																																																																																	
11	1996-97	1.03	-																																																																																																																																	
12	1997-98	1.08	-																																																																																																																																	
13	1998-99	1.03	-																																																																																																																																	
14	1999-2000	1.03	-																																																																																																																																	
15	2000-01	0.97	-																																																																																																																																	
16	2001-02	0.88	-																																																																																																																																	
17	2002-03	0.82	-																																																																																																																																	
18	2003-04	0.41	-																																																																																																																																	
19	2004-05	1.01	-																																																																																																																																	
20	2005-06	1.01	-																																																																																																																																	
21	2006-07	1.17	-																																																																																																																																	
22	2007-08	1.16	-																																																																																																																																	
23	2008-09	1.24	-																																																																																																																																	
24	2009-10	1.17	-																																																																																																																																	
25	2010-11	1.08	1.60																																																																																																																																	
26	2011-12	0.73	1.60																																																																																																																																	
27	2012-13	0.66	1.60																																																																																																																																	
28	2013-14	0.48	1.60																																																																																																																																	
29	2014-15	0.71	1.60																																																																																																																																	
30	2015-16	0.92	1.60																																																																																																																																	
31	2016-17	0.95	1.60																																																																																																																																	
32	2017-18	0.78	1.60																																																																																																																																	

			33	2018-19	1.01	1.60	
			34	2019-20	0.80	1.60	
			35	2020-21	0.74	1.60	
			36	2021-22	1.07	1.60	
4	<p>The Project Proponent needs to submit the details of greenbelt/plantation already carried out, no. of trees planted, current survival rate and the amount spent towards the development of greenbelt/plantation. PP also needs to submit the capital and recurring expenses proposed for gap plantation. The diversity of the green cover including greenbelt also needs to be submitted by PP.</p>	<p>The Project Proponent reported that 1,57,022 no.s of saplings have been planted over an area of 29.21 ha inside the mine lease area and 1,81,590 no.s of saplings have been planted over an area of 54.95 ha outside the mine lease area with the survival rate of 85%. PP has spent Rs 2.70 Cr towards the development of greenbelt/plantation. PP earmarked a budget of Rs 20.0 Lakhs as Capital cost and Rs 5,000/year for carrying out gap plantation inside and outside the mine lease area.</p>					
5	<p>The Project Proponent needs to submit the details of protection measures in place for protecting the drains in the mine lease area. Details of the garland drain should also be given by PP. Since the current EC is for both Integrated Cement plant and mine lease, similar measures taken for cement plant also needs to be submitted by PP in compliance to the EC dated 27.10.2010.</p>	<p>The Project Proponent submitted that garland drains and adequate capacity of the sumps were provided. Sedimentation pits were also constructed at corners of the garland drains and desilting is being carried out at regular intervals.</p> <p>PP also submitted that catch drains, siltation ponds have been constructed to arrest flow of silt and sediment. The water collected is being utilised for road wetting, greenbelt development, etc., All drains are being cleaned regularly and maintained properly. PP also submitted the photograph showing the garland drains and sedimentation/siltation ponds.</p>					
6	<p>The Project Proponent</p>	<p>The Project Proponent submitted that the</p>					

	<p>needs to submit the compliance audit of the pollution control measures and its efficacy.</p>	<p>environment monitoring carried out by Global Enviro Labs recognized by MoEF&CC & NABL. PP reported that the monitoring of ambient air quality carried out at five locations in core zone and three locations in buffer zone from 03.03.2022 to 15.03.2022, ground water quality at two locations in core zone and three locations in buffer zone on 15.03.2022, waste water analysis at three locations on 15.03.2022, noise level monitoring at 14 locations on 15.03.2022, soil quality at three locations on 15.03.2022 and dust fall measurement at five locations on 15.03.2022. Further, PP reported that all the parameters for air quality, water quality, noise level, soil quality and dust fall measurement are within the limits as per the prescribed standards.</p>																																																							
<p>7</p>	<p>The Project Proponent needs to submit the details of existing monitoring station for air quality w.r.t wind direction and noise monitoring station.</p>	<p>The Project Proponent submitted the details of the existing monitoring station for air quality and noise monitoring station as mentioned below.</p> <table border="1" data-bbox="690 951 1416 1896"> <thead> <tr> <th rowspan="2">S. No</th> <th colspan="2">Air Quality Monitoring Station</th> </tr> <tr> <th>Core Zone</th> <th>Buffer Zone</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Near main gate</td> <td>Near Priya Cement – Free Primary Hospital</td> </tr> <tr> <td>2</td> <td>Near L.C-1</td> <td>IMW Solar Power Plant</td> </tr> <tr> <td>3</td> <td>Near Crusher</td> <td>-</td> </tr> <tr> <td>4</td> <td>Near Loading point</td> <td>-</td> </tr> <tr> <td>5</td> <td>Near Quarry Edge</td> <td>-</td> </tr> <tr> <td>6</td> <td>Near Haul road</td> <td>-</td> </tr> <tr> <td>7</td> <td>Near Mines Garage</td> <td>-</td> </tr> <tr> <td>8</td> <td>Near Drilling site</td> <td>-</td> </tr> <tr> <th rowspan="2">S. No</th> <th colspan="2">Noise Monitoring Station</th> </tr> <tr> <th>Core Zone</th> <th>Buffer Zone</th> </tr> <tr> <td>1</td> <td>Near main gate</td> <td>-</td> </tr> <tr> <td>2</td> <td>Near Coal mill</td> <td>-</td> </tr> <tr> <td>3</td> <td>Near Raw mill</td> <td>-</td> </tr> <tr> <td>4</td> <td>Near Cooler vent</td> <td>-</td> </tr> <tr> <td>5</td> <td>Near Crusher</td> <td>-</td> </tr> <tr> <td>6</td> <td>Near C.C.R</td> <td>-</td> </tr> <tr> <td>7</td> <td>Near Compressor</td> <td>-</td> </tr> </tbody> </table>	S. No	Air Quality Monitoring Station		Core Zone	Buffer Zone	1	Near main gate	Near Priya Cement – Free Primary Hospital	2	Near L.C-1	IMW Solar Power Plant	3	Near Crusher	-	4	Near Loading point	-	5	Near Quarry Edge	-	6	Near Haul road	-	7	Near Mines Garage	-	8	Near Drilling site	-	S. No	Noise Monitoring Station		Core Zone	Buffer Zone	1	Near main gate	-	2	Near Coal mill	-	3	Near Raw mill	-	4	Near Cooler vent	-	5	Near Crusher	-	6	Near C.C.R	-	7	Near Compressor	-
S. No	Air Quality Monitoring Station																																																								
	Core Zone	Buffer Zone																																																							
1	Near main gate	Near Priya Cement – Free Primary Hospital																																																							
2	Near L.C-1	IMW Solar Power Plant																																																							
3	Near Crusher	-																																																							
4	Near Loading point	-																																																							
5	Near Quarry Edge	-																																																							
6	Near Haul road	-																																																							
7	Near Mines Garage	-																																																							
8	Near Drilling site	-																																																							
S. No	Noise Monitoring Station																																																								
	Core Zone	Buffer Zone																																																							
1	Near main gate	-																																																							
2	Near Coal mill	-																																																							
3	Near Raw mill	-																																																							
4	Near Cooler vent	-																																																							
5	Near Crusher	-																																																							
6	Near C.C.R	-																																																							
7	Near Compressor	-																																																							

			room			
		8	Near Cement mill	-		
		9	Near waste heat recovery steam generator room	-		
		10	Near AQC Boiler area	-		
		11	Near PH Boiler area	-		
		12	Near Drilling site	-		
		13	Near Tipper cabin	-		
		14	Near Backhoe operator cabin	-		
		15	Near Mines garage	-		
		PP also submitted the annual wind rose pattern (Nearby IMD Station: Rentachintala)				
8	The Project Proponent needs to submit the valid mine lease document obtained from the State Govt, lease deed execution and chronological details of grant of mine lease with the supporting documents. PP also needs to submit the entire mining plan in PARIVESH portal.	The Project Proponent submitted the chronology of grant of mine lease since from the inception as mentioned below.				
		S. No	Lease particulars	Date of Grant	Period	Mine lease area
		1	Grant of Mining lease vide G.O Ms No. 289 in favour of MsLaxmi Narayana Mining Company	08.05.1981	29.09.1981 to 28.09.2001	Ac 430.30 Gts
		2	Transfer of Mining lease vide G.O Ms No. 402 from MsLaxmi Narayana	15.09.1984	For the unexpired portion of the lease i.e., upto 28.09.2001	Ac 430.30 Gts

			Mining Company to M/s Priyadarshini Cements Limited			
		3	Grant of Mining lease vide G.O Ms No. 405 in favour of M/s Priyadarshini Cements Limited	22.09.19 88	Valid upto 28.09.200 1	80.975 Acres
		4	Grant of Mining lease vide G.O Ms No. 307 in favour of M/s Priyadarshini Cements Limited	06.06.19 90	Valid upto 27.09.200 1	Ac 111.00 Gts
		5	Grant of Mining lease vide G.O Ms No. 339 in favour of M/s Priyadarshini Cements Limited for	01.10.19 91	Valid upto 27.09.200 1	Ac.622.2 9 Gts

			clubbing of the three mining leases (G.O Ms No. 402, 405 and 307)			
		6	Grant of Mining lease vide G.O Ms No. 288 in favour of M/s Priyadarsh ini Cements Limited	18.08.19 98	20 years	Ac.127.0 7 Gts
		7	Grant of Mining lease vide G.O Ms No. 367 in favour of M/s Priyadarsh ini Cements Limited	27.10.19 98	20 years	Ac.105.3 2 Gts
		8	Grant of Mining lease vide G.O Ms No. 369 in favour of M/s Priyadarsh ini	27.10.19 98	20 years	Ac.176.2 5 Gts

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

			Cements Limited			
		9	Grant of Mining lease vide G.O Ms No. 505 in favour of M/s Priyadarshini Cements Limited for clubbing of the four mining leases (G.O Ms No. 339, 369, 367 and 288)	19.09.2000	Valid upto 27.09.2001	Ac.1030.93 Guntas
		10	1 st Renewal of Mining lease vide G.O Ms No. 192 in favour of M/s Priyadarshini Cements Limited	04.05.2002	20 years w.e.f. 28.09.2001 to 27.09.2021	Ac.1032.13 Gts
		11	Transfer of Mining lease vide G.O Ms No. 238 from M/s Priyadarsh	28.08.2006	Valid upto 27.09.2021	Ac.1032.13 Gts

			ini Cements Limited to M/s Rain Industries Limited			
		1 2	Transfer of Mining lease vide G.O Ms No. 22 from M/s Rain Industries Limited to M/s Rain Cements Limited	13.11.20 14	Valid upto 27.09.202 1	Ac.1032. 13 Gts (417.95h a)
		1 3	Grant of Mining lease vide G.O Ms No. 72 in favour of M/s Rain Cements Limited	24.08.20 17	50 years (29.09.19 81 to 28.09.203 1)	Ac.1032. 13 Gts (417.95h a)
		PP also submitted the entire copy of the approved mining plan dated 14.12.2021 in PARIVESH.				
9	The Project Proponent needs to submit the Land Use classification of the mine lease area of 417.95 Ha along with the ownership of the land with the supporting documents.	The Project Proponent reported that the total mine lease area is 417.95 ha, out of which Private land is 198.6156 ha and Govt. land is 219.3344 ha. PP submitted that an area of 296.47 ha (Ac 732.06 Gts) already purchased and the remaining land will be purchased in due course. PP also submitted the Possession Certificate issued by the Revenue Department, Govt. of Telangana vide letter dated 27.05.2022 over an area of Ac 732.06 Gts.				

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
20.03.2010	IA/AP/IND/2868/2010	23 rd – 25 th September, 2010	Environmental Clearance for Integrated Cement Plant clinker (0.80 to 1.00 MTPA), Cement (1.00 to 1.50 MTPA) and Limestone mine (1.30 to 1.60 MTPA) in the mine lease area of 417.95 ha located at Village Ramapuram, Mandal Mellacheruvu, District Nalgonda, Andhra Pradesh	27.10.2010

ii. Details of mine lease:

S. No	Lease particulars	Date of Grant	Granted by	Period	Mine lease area
1	Grant of Mining lease vide G.O Ms No. 289 in favour of MsLaxmi Narayana Mining Company	08.05.1981	Govt. of Andhra Pradesh	29.09.1981 to 28.09.2001	Ac 430.30 Gts
2	Transfer of Mining lease vide G.O Ms No. 402 from MsLaxmi Narayana Mining Company to M/s Priyadarshini Cements Limited	15.09.1984	Govt. of Andhra Pradesh	For the unexpired portion of the lease i.e., upto 28.09.2001	Ac 430.30 Gts
3	Grant of Mining lease vide G.O Ms No. 405 in favour of M/s Priyadarshini Cements Limited	22.09.1988	Govt. of Andhra Pradesh	Valid upto 28.09.2001	80.975 Acres
4	Grant of Mining lease vide G.O Ms No. 307 in favour of M/s Priyadarshini Cements Limited	06.06.1990	Govt. of Andhra Pradesh	Valid upto 27.09.2001	Ac 111.00 Gts
5	Grant of Mining lease vide	01.10.1991	Govt. of	Valid upto	Ac.622.29

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	G.O Ms No. 339 in favour of M/s Priyadarshini Cements Limited for clubbing of the three mining leases (G.O Ms No. 402, 405 and 307)		Andhra Pradesh	27.09.2001	Gts
6	Grant of Mining lease vide G.O Ms No. 288 in favour of M/s Priyadarshini Cements Limited	18.08.1998	Govt. of Andhra Pradesh	20 years	Ac.127.07 Gts
7	Grant of Mining lease vide G.O Ms No. 367 in favour of M/s Priyadarshini Cements Limited	27.10.1998	Govt. of Andhra Pradesh	20 years	Ac.105.32 Gts
8	Grant of Mining lease vide G.O Ms No. 369 in favour of M/s Priyadarshini Cements Limited	27.10.1998	Govt. of Andhra Pradesh	20 years	Ac.176.25 Gts
9	Grant of Mining lease vide G.O Ms No. 505 in favour of M/s Priyadarshini Cements Limited for clubbing of the four mining leases (G.O Ms No. 339, 369, 367 and 288)	19.09.2000	Govt. of Andhra Pradesh	Valid upto 27.09.2001	Ac.1030.93 Guntas
10	1 st Renewal of Mining lease vide G.O Ms No. 192 in favour of M/s Priyadarshini Cements Limited	04.05.2002	Govt. of Andhra Pradesh	20 years w.e.f. 28.09.2001 to 27.09.2021	Ac.1032.13 Gts
11	Transfer of Mining lease vide G.O Ms No. 238 from M/s Priyadarshini Cements Limited to M/s Rain Industries Limited	28.08.2006	Govt. of Andhra Pradesh	Valid upto 27.09.2021	Ac.1032.13 Gts
12	Transfer of Mining lease vide G.O Ms No. 22 from M/s Rain Industries Limited to M/s Rain Cements Limited	13.11.2014	Govt. of Telangana	Valid upto 27.09.2021	Ac.1032.13 Gts (417.95ha)

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

13	Grant of Mining lease vide G.O Ms No. 72 in favour of M/s Rain Cements Limited	24.08.2017	Govt. of Telangana	50 years (29.09.1981 to 28.09.2031)	Ac.1032.13 Gts (417.95ha)
----	--	------------	--------------------	-------------------------------------	---------------------------

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

Private land	198.6156
Government land	219.3344
Total Mining lease area (MLA)	417.95
Private land for crusher, workshop & other infrastructure outside the MLA	3.81

iv. Details of Mine Plan: -

Approval of Review of Mining Plan approved by Indian Bureau of Mines (IBM)	Letter No.	No:AP/NLG/MP/Lst-22/Hyd,
	Date	14.12.2021
	Validity	2022-23 to 2026-27
	Mineral	Limestone
	Mine lease area	417.95 Ha
Mining Parameters	Quantitative Description	
Method of Mining	Opencast mechanized method with deep hole drilling and blasting	
Mineable Reserves	208.26 Million Tons	
Life of mine	50 Years	
Bench Height	7 – 8 m	
Bench Width	15 m	
Individual bench slope	60° and Ultimate Slope of 55 °	
Overall pit slope	20° -80°	
Maximum Depth of mining	34.84 m	
RoM output size	- 25 mm	
Transportation details	Blasted limestone is loaded into 35 Ton Tippers and the same will be transported to the crushing plant located at a distance of about 1.5 to 2.0 km.	
Dumpers capacity	35 Ton Tippers	
No. of Working days, hours and shift	305 days, 8 hrs/shift and 2 shifts	

v. Water requirement:

Total water requirement	Fresh water	Existing water requirement: 100.0 KLD After Expansion: 250.0 KLD
	Treated water	Will be used for dust suppression and green belt development.
Source	Rain water collected in the mine pit sumps/Bore wells	
Additional information (if any)	PP submitted that the existing water requirement is being met from the rainwater accumulation in the mine pit sumps / bore wells and it will be continued to meet the demand from rain water accumulation in the mine pit sumps after expansion.	

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

Particulars	Particular's Name	Distance & Direction
Village	Ramapuram	2.0 km, NE
Town	Kodad	17.8 km, N
Highway	NH-65	13.6 km, NE
	Public road from Ramapuram to Revoor is passing within the lease area at the eastern part of the mine lease area.	
Railway Station	Ramapuram	2.0 km, NE
	Khammam	48.3 km, NNE
Railway track from Jaggaiahpet to Vishnupuram is passing within the lease area on the eastern direction.		
Interstate Boundary	Telangana and Andhra Pradesh	2.7 Km, NE
Water bodies	Palleru River	5.8 km, NNE
	Krishna River	8.1 km, ESE
	i. Revoor Nala flowing West to East in Southern Part of the mine lease area, ii. A seasonal drainage channel originating from the Northern Part of the area is flowing in between Pit No.1 and Pit No.2 towards southeast, and joins with Revoor Nala.	

vii. The Project Proponent reported that no forest land is involved in the mine lease area. PP also reported that there is no National Park, Wild Life Sanctuary, Tiger/Elephant Reserves, Biosphere Reserves within 10 Km radius of the study area. Further, PP reported that the following Reserve Forests such as Yepalmadhavaram R.F - 4.1 km, SW, Buduvada R.F - 4.3 km, ENE, Balusupasdu R.F - 6.3 km, NE, Kuntimaddi R.F - 9.0 km, ESE, Venkatayapalem R.F - 9.2 km, SE and Chintalapalem R.F 6.8 km, SSE are found within 10km of

the study area. PP reported that Common Indian monitor (*Varanus bengalensis*) is the only schedule I species found in the study area.

- viii. The Project Proponent reported that 1,57,022 nos of saplings have been planted over an area of 29.21 ha inside the mine lease area and 1,81,590 no.s of saplings have been planted over an area of 54.95 ha outside the mine lease area with the survival rate of 85%. PP has spent Rs 2.70 Cr towards the development of greenbelt/plantation. PP proposed that in the next 5 years during mining plan period about 10,000 saplings will be planted covering an area of 4.71 ha inside the ML Area & 0.45 ha outside ML Area. PP earmarked a budget of Rs 20.0 Lakhs as Capital cost and Rs 5,000/year for carrying out gap plantation inside and outside the mine lease area. PP also earmarked a budget of Rs 1,00,000 /annum towards development of nursery.
- ix. The Project Proponent submitted that the Consent Order issued by the Telangana State Pollution Control Board vide Consent Order No: 210523194658 dated 17.01.2022 for the production capacity of Limestone mining & Shale/Clay: 1.6 MTPA and this consent order is valid for mining of Limestone and Shale/Clay to the following yearly capacity should be limited to as per IBM approval only and the consent order was valid for a period upto 31st October, 2026.
- x. The Project Proponent submitted that the instant proposal is for expansion within the mine lease area of 417.95 ha and the mining activities do not involve any displacement of human settlement. Hence, there is no Rehabilitation and Resettlement envisaged for this project.
- xi. 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.
- xii. Details of Project cost and employment:

Particulars	(Rs. In Crore)
Project Cost	Rs.15.5 Crores
Employment	Existing: 42 No.s, Additional: 18 No.s, Total: 60 Persons

6. Observation and Recommendation of the Committee:

The EAC on viewing the KML presented by the Project Proponent, the EAC noted that the Revoor Nala flowing West to East in Southern Part of the mine lease area and also seasonal drainage channel originating from the Northern Part of the area is flowing in between Pit No.1 and Pit No.2 towards southeast, and joins with Revoor Nala.

The EAC also noted that the Public road from Ramapuram to Revoor is passing within the mine lease area on the eastern side and also Railway track from Jaggaiahpet to Vishnupuram is passing within the mine lease area at the eastern part of the lease area. Further, the Project Proponent informed that there is no forest land involved in the mine lease area and also there is no National Park, Wild Life Sanctuary, Tiger/Elephant Reserves, Biosphere Reserves within 10 Km radius of the study area. Thereafter, the EAC deliberated on the additional details sought submitted by the Project Proponent.

The EAC asked the Project Proponent that whether there is only a name change or change in ownership from M/s Rain Industries Cements to M/s Rain Cements Ltd. Project Proponent informed that there is only a name change and CIN No has been changed and applied for transfer of EC from M/s Rain Industries Cements to M/s Rain Cements Ltd which is under process with the Industry sector in the Ministry.

The EAC noted that the Project Proponent has agreed to comply in a few of the compliance of the EC conditions in EC letter dated 27.10.2010 which is inappropriate. The EAC advised the Project Proponent to rectify the same and to properly address the same at the time of appraisal of EC. The EAC also advised the Project Proponent to explore the feasibility of utilizing the hazardous waste with raw material along with the timeline. The EAC asked the Project Proponent to submit the details on storage and handling of low grade limestone of high silica content till the conceptual stage.

The EAC asked about the no. of Environmental Engineers employed in the mine site under Environment Management Cell. Project Proponent informed that one Environmental Engineer is employed in the mine site and the other at the cement plant. The EAC asked the Project Proponent to submit the existing status of the environment management cell and its effectiveness and the proposed environment management cell. The EAC also advised the Project Proponent to revisit the overall pit slope as per the mines act and rules.

The EAC noted that the Project Proponent has been operating the mine from 1986-87 and obtained Integrated EC on 27.10.2010 for Limestone production from 1.30 to 1.60 MTPA and Consent to Operate (CTO) issued by the State Pollution Control Board for mining of Limestone and Shale/Clay with capacity of 1.60 MTPA. The EAC asked the Project Proponent whether the mine has been operating from the 1993-94 to 2009-10 without obtaining Environmental Clearance and also whether any shale has been produced or not? The Project Proponent informed the EAC that the Environmental Clearance has been obtained in the year 2007 for production capacity of 1.30 MTPA and there is no any excess production has been done against the EC capacity of 1.30 MTPA and 1.60 MTPA and also no production of shale has been done. Further, the EAC noted that PP has exceeded the base year (1993-94) production of 9,33,810 MT in

the year 1994-95 (10,09,620 MT), 1995-96 (9,56,430 MT), 1996-97 (10,36,890 MT), 1997-98 (10,85,880 MT), 1998-99 (10,36,050 MT), 1999-00 (10,31,070 MT), 2000-01 (9,77,640 MT), 2004-05 (10,19,729 MT), 2005-06 (10,10,736 MT) and 2006-07 (11,72,500 MT). Thus, the EAC 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. However, the Project Proponent has not submitted the copy of the EC obtained in the year 2007 in PARIVESH. The EAC opined that the Project Proponent needs to submit the letter from the Dept. of Mines and Geology stating that the no production of shale has been done after the grant of initial EC and the status of the compliance of 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.

The EAC observed that the Project Proponent conducted a baseline study during the period December, 2019 - February, 2020 wherein the production achieved during the year 2019-20 was only 0.80 MTPA which is half of the EC capacity of 1.60 MTPA. The EAC was of the view that the scenario of the pollution generated during the year 2019-20 would be inappropriate to consider as a baseline data for expansion in Limestone Production Capacity from 1.60 MTPA to 3.94 MTPA. Thus, the EAC advised the Project Proponent to conduct a fresh baseline study with operating capacity of 1.3 - 1.6 MTPA to assess the increase in pollution load.

Based on the above discussions held, the EAC **recommended** the proposal for grant of Terms of Reference (ToR) of M/s Rain Cements Limited (RCL) for enhancement of Limestone production from 1.60 MTPA (ROM) to 3.94 MTPA (ROM) with Total excavation of 3.9475 MTPA (ROM 3.94 MTPA + TS 0.0075 MTPA) in the mine lease area of 417.95 ha, located at Revoor & Mellacheruvu Villages, Mellacheruvu 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 Project Proponent should obtain the NOC from Railway Department as drilling and blasting activities are proposed in mining operations.
- ii. The EAC noted that as the drilling & blasting activity is proposed and the Railway track from Jaggaiahpet to Vishnupuram is passing within the mine lease area at the eastern part of the lease area, the Project Proponent should carry out the scientific study from CIMFR or any other recognized institution of repute which is approved for carrying out such studies. The study should be clearly demonstrated that whether there are any adverse impacts and it can be controlled by adopting mitigative measures or not?

- iii. The Project Proponent shall submit the measures taken for strengthening of mine pit and protection of railway track which is passing through the mine lease area. PP needs to mention the proposed frequency of the train passing along with timing and also the time of blasting. PP should also submit the map demarcating the railway track, railway boundary and safety distance left, distance of proposed working pit from railway track/railway boundary, mining zone within the mine lease area.
- iv. The Project Proponent needs to conduct a fresh baseline study with at least 80-100 percentage of current EC capacity to capture the actual pollution load for expansion in Limestone Production Capacity from 1.60 MTPA to 3.94 MTPA.
- 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.
- vi. 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.
- vii. The Project Proponent needs to rectify the compliance of the EC conditions mentioning that agreed to comply and address the same at the time of appraisal of EC.
- viii. The Project Proponent needs to submit the detailed note on storage and handling of low grade limestone of high silica content till the conceptual stage.
- ix. The Project Proponent needs to explore the feasibility of utilizing the hazardous waste with raw material along with the timeline.
- x. The EAC advised the Project Proponent to revisit the overall pit slope as per the mines act and rules.
- xi. The Project Proponent needs to submit the composition of the existing environment management cell and its effectiveness and proposed composition of environment management cell in line with the environment policy of the company.

- xii. 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.
- xiii. The EAC noted that the instant proposal falls between the interstate boundary of Telangana and Andhra Pradesh - 2.7 Km, NE from the mine lease area. As the environmental study area of the buffer zone falls within 10 km radius, Project Proponent needs to involve the people from both these states in the public hearing. The Project Proponent needs to submit the details of the local people participated in the public hearing from both the States of Telangana and Andhra Pradesh at the time of appraisal of EC.
- xiv. The Project Proponent needs to submit the letter from the Dept. of Mines and Geology stating that the no production of shale has been done after the grant of initial EC and also the status of the compliance of 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.
- xv. The Project Proponent needs to submit the copy of the Environmental Clearance granted in the year 2007 for production of Limestone of 1.30 MTPA in PARIVESH.
- xvi. The Project Proponent submitted that while granting the mining lease on 19.09.2000, mine lease area was Acre 1030.93 Guntas and while granting the 1st renewal of mining lease on 04.05.2002 mine lease area was Ac 1032.13 Guntas. Hence, Project Proponent needs to clarify the difference in mine lease area of Acre 1.20 Guntas with the supporting document.
- xvii. The Project Proponent reported that the total mine lease area is 417.95 ha, out of which Private land is 198.6156 ha and Govt. land is 219.3344 ha. PP submitted that an area of 296.47 ha (Ac 732.06 Gts) already purchased and the remaining land will be purchased in due course. Hence, the Project Proponent needs to submit the timeline for acquiring the remaining area.
- xviii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.
- xix. Impact of proposed project/activity on hydrological regime of the area shall be assessed and report be submitted. Hydrological studies as per GEC 2015 guidelines to be prepared and submitted by the Project Proponent.

- xx. Project Proponent shall propose to use LNG/CNG/Electrical based mining machineries and trucks/dumpers for mining operation and transportation of mineral.
- xxi. Project proponent needs to prepare Environmental Cost Benefit Analysis for the project in EIA/EMP Report.

3.5 Nanar Bauxite mine of M/s. Sociedade de Fomento Industrial Pvt. Ltd for mining of Bauxite with the proposed production capacity of 0.9 MTPA of Bauxite, Waste: 0.9 MTPA (Total Excavation: 1.8 MTPA) along with proposed crusher of 2 x 100 TPH in the mine lease area of 144.95 ha, located at village Nanar, Taluka Rajapur, District Ratnagiri, Maharashtra - [Proposal No. IA/MH/MIN/226441/2021, File No. IA-J-11015/67/2021-IA-II] - Terms of Reference (ToR)

The instant proposal is for mining of Bauxite in Nanar Bauxite mine of M/s. Sociedade de Fomento Industrial Pvt. Ltd with the proposed production capacity of 0.9 MTPA of Bauxite, Waste: 0.9 MTPA (Total Excavation: 1.8 MTPA) along with proposed crusher of 2 x 100 TPH in the mine lease area of 144.95 ha, located at village Nanar, Taluka Rajapur, District Ratnagiri, Maharashtra. The mine lease area is located between Latitude: 16°30'38.83"N to 16°32'17.28"N and Longitude: 73°26'46.70"E to 73°27'39.78" E. The mine lease area falls under the Survey of India Toposheet No: 47H/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 proposal was initially considered in the 37th EAC (Non-Coal Mining) meeting held during 15th - 17thSeptember,2021, the Committee asked the project proponent regarding the distance of their minesite from ESA of Western Ghats wherein the project proponent informed that the minesite does not falls in ESA of Western Ghats. The Committee observed that a major riveris 1.2 Km to the South of mine site and the site is surrounded by the sides with waterstreams. The EAC also noted that there will be no drilling and blasting. After detaileddeliberations, the Committee recommended the proposal for Terms of Reference(ToR) with the proposed Bauxite Mine with the production capacity of 0.9 MTPA in theMine lease area of 144.95 ha located at village Nanar, TalukaRajapur, District Ratnagiri,Maharashtra by M/s. Sociedade de Fomento Industrial Pvt. Ltd with certain specific conditions.

3. The proposal was again considered in the 46thEAC meeting held during 15thto 17thFebruary, 2022. Based on the deliberations made by the project proponent and the consultant, the Committee observed that earlier the proposal was considered in the 37th EAC (Non-Coal Mining) meeting held during 15th– 17thSeptember, 2021, wherein the Committee recommended the proposal for Terms of Reference. The Committee also

suggested the Ministry to seek comments from the ESZ Division whether the project site falls under ESA of Western Ghats, as the site is in close proximity with the Western Ghats. Accordingly, the IA Division sought comments from ESZ division in the Ministry, which are produced below:

“The fourth draft notification of the Western Ghats Eco-Sensitive Area (WGESA) was published on 3rdOctober, 2018 and the validity of the draft stands till 31stDecember, 2021. Further, as per the draft notification of WGESA: There shall be a complete ban on mining, quarrying and sand mining in Ecologically Sensitive Area and all existing mines shall be phased out within five years from the date of issue of the final notification or on the expiry of the existing mining lease, whichever is earlier.

The Ministry issued directions vide OM no. 1-4/2012-RE(Pt) dated 13.11.2013 with amendment to the directions issued vide O M no. 1/9/2018-ESZ dated 03.12.2018 banning following activities in WGESA: Mining, Quarrying and Sand Mining; Thermal Power Plan; Building and Construction of projects of 20,000 sq m area and above; Township and area development projects with an area of 50 ha and above and/or with built up area of 1,50,000 sq. m and above and Red categories industries. After the examination of the project location using Decision Support System (DSS), it is observed that the project site is located within the ESA area of Western Ghats (Maharashtra)”.

During the presentation, the Project Proponent submitted a letter from Maharashtra Government stating that the mine site is not falling in ESA of Western Ghats and also as per the Ministry’s Notification S.O. 5135 (E) dated 3rdOctober 2018, the Nanar Village of Ratnagiri District does not fall in ESA of Western Ghats. However, the DSS used by the Ministry shows that the mine site falls in the ESA of Western Ghats. The Committee was of the view that joint report of Ministry’s IRO, Bangalore and a senior officer from Forest department, Maharashtra Government to visit the site for ground truthing and joint report to be submitted to Ministry for necessary action. After detailed discussions, the Committee deferred the proposal.

4. The Ministry vide email dated 04.03.2022 requested the Integrated Regional Office, Nagpur to carry out the site inspection of the Nanar Bauxite along with representative of State Forest Department, Govt. of Maharashtra. Integrated Regional Office, Nagpur vide letter dated 15.06.2022 submitted the site inspection report of proposed bauxite mine i.e., Nanar Bauxite block with the production capacity of 0.9 MTPA in the mine lease area of 144.95 ha, located at Village Nanar, Taluka Rajapur, District Ratnagiri, Maharashtra by M/s. Sociedade de Fomento Industrial Pvt. Ltd. Accordingly, the proposal was reconsidered in the 2nd EAC (Non-Coal Mining) meeting held during 16th - 18thAugust, 2022.

5. The Integrated Regional Office, Nagpur submitted that the site inspection of proposed bauxite mine of M/s. Sociedade de Fomento Industrial Pvt. Ltd located at village Nanar, Taluka Rajapur of Ratnagiri District of Maharashtra was carried out on 05.05.2022. The joint committee perused all the documents submitted by Project Proponent and observed following:

1. PP (M/s. Sociedade de Fomento Industrial Pvt. Ltd) submitted application for the grant of Terms of Reference (TOR) for prior Environmental Clearance (EC) to MoEF&CC for production of 0.9 MTPA of Bauxite at Nanar Bauxite Block over 144.95ha. located at following Survey numbers of Nanar village of Rajapur Taluka of Ratnagiri District:
 - a. 78(P),84,85(P), 93(P), 94(P),95,96,97(P), 99(P), 100, 101, 102(P), 103, 104, 105, 106,107, 108, 109,110,111,115,116,117,118,119,120,121,122, 123, 124(P), 125,126(P), 127(P) and road
2. The EAC sought factual report from the committee of representatives from IRO, MoEF&CC, Nagpur and State Forest Department, Govt. of Maharashtra.
3. The Committee during its site inspection held on 05.05.2022 observed that a nallah is separating Nanar and Kumbhavade villages. As per the documents including application made to Ministry and DGPS map certified by Directorate of Geology & Mining, Govt. of Maharashtra the said Nanar Bauxite Block entirely falls in the Nanar Village.
4. As per the Fourth Draft ESA Notification (dated 03.10.2018) of Western Ghats, the village Nanar in which the Nanar Bauxite Block is located) does not fall under the proposed ESA of Western Ghats.
5. PP has submitted the Nanar village plan certified by Deputy Superintendent, Land Records, Rajapur Taluka. As per the village plan all survey numbers as mentioned in the EC application of the said Nanar Bauxite Block fall in Nanar village.
6. The committee also perused village map of Kumbhavade. Upon perusal, it was observed that the survey numbers of Kumbhavade village adjacent to Nanar village are different than the above Survey numbers (falling within the said Nanar Bauxite Block).

6. The Committee concluded that based on the observations made as above, EC application, Village maps of Nanar and Kumbhavade villages and DGPS map it is concluded that the entire Nanar Bauxite Block falls in Nanar village, which is outside the ESA of Western Ghats.

7. Observation and Recommendation of the Committee:

The EAC deliberated on the site inspection report submitted by the Ministry's Integrated Regional Office, Nagpur for which the site visit was conducted on 05.05.2022 with the officers of IRO, MoEF&CC and State Forest Department, Govt. of Maharashtra for ground truthing. After detailed deliberations, the EAC noted that the entire Nanar Bauxite Block is in Nanar village, which is outside the ESA of Western Ghats. Therefore, the EAC **recommended** the proposal for grant of Terms of Reference (ToR) for mining of Bauxite in Nanar Bauxite mine of M/s. Sociedade de Fomento Industrial Pvt. Ltd with the proposed production capacity of 0.9 MTPA of Bauxite, Waste: 0.9 MTPA (Total Excavation: 1.8 MTPA) along with proposed crusher of 2 x 100 TPH in the mine lease area of 144.95 ha, located at village Nanar, Taluka Rajapur, District Ratnagiri, Maharashtra for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:

- i. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- ii. The EAC noted that major river is flowing at a distance of 1.2 km, South of mine lease area and the mine lease area is surrounded by water bodies, the Project Proponent needs to address the safety of mine lease area from flood and vice versa i.e., safety of streams from mine operations in the EIA/EMP report through proper control measures.
- iii. The EAC noted that since the mine lease area is very close to Western Ghats, selection of air quality monitoring stations near the eco sensitive area needs to be identified, monitored and accordingly the Project Proponent shall propose the Continuous Ambient Air Quality Monitoring Stations in such numbers as per the scientific study and in consultation with CPCB.
- iv.
- v. The Project Proponent needs to submit the scenario of pollution to be generated at the mine lease boundary, nearest Village, predominant downwind direction,

crusher and at other sensitive receptors such as ESA of Western Ghats for air quality, noise level, water quality and soil quality.

- vi. The EAC noted that the Project Proponent informed that there is no drilling and blasting involved, however the Project Proponent needs to address the measures for control of noise and ground vibration if any in the EIA/EMP report.
- vii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years.
- viii. The Project Proponent needs to submit the detailed R&R plan covering all the components viz. number of Project Affected Families (PAF) and details of the land owned by them, break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP need to submit the plan for Socio economic development of the neighbourhood habitats based on the need based survey along with the time bound action plan.
- ix. The project proponent shall mention about the operation of a refinery (if any exists) near the mine site in the EIA/EMP report. Also, incorporate the impacts of the project of refinery on this mine.
- x. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.

List of members of Expert Appraisal Committee participated through VC

S.No	Member Name	Member Address	Designation	16 th Aug 2022	17 th Aug 2022	18 th Aug 2022
1	Dr. Dinesh Misra, IFS (Retd.)	Plot No 65, Sector 8, Gandhinagar, Gujarat India, 382 008	Chairman	Yes	Yes	Yes
2	Sh. Niranjan Kumar Vasu, IFS (Retd.)	816, Shanti Nagar, Opposite Durgapur Railway Station, Jaipur-Rajasthan, India, 302018	Member	Yes	Yes	Yes

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

3	Dr. Asha Rajvanshi Scientist 'G' (Retd.), WII	B/104/106 Rock Valley Apartments, GMS Road, Sewla Kalan, P.O. Majra, Dehradun, Uttarakhand-248171	Member	Yes	Yes	Yes
4	Shri. Avijit Ghosh (CMD-Heavy Engineering Corporation Limited) (Retd)	Singhee Marg, A-604 Shahadeo Tower, P.P. Compound, Ranchi 834001, Jharkhand	Member	Yes	Yes	Yes
5	Shri. Bandi Ramchandra Reddy (CMD-South Eastern Coalfields Limited)- (Retd.)	Flat No-503 A, Jyoti Cosmos, White Fields, Hi-Tech City, Kondapur, Hyderabad-500081	Member	Yes	Yes	Yes
6	Prof. Pramod Kumar, Professor, Shri Aurobindo College, University of Delhi	Shri Aurobindo College, University of Delhi 1372, B-1, Vasant Kunj, New Delhi-110070	Member	Yes	Yes	Yes
7	Prof. Devesh Walia, Professor, Department of Environmental Studies	Department of Environmental Studies, NEHU, Shillong-793022 Meghalaya	Member	Yes	Yes	Yes
8	Dr. Suresh Tiwari Scientist-F	Indian Institute of Tropical Meteorology, Pune, New Delhi Branch, Prof. Ram Nath Viji Marg Rajinder Nagar, New Delhi - 110060	Member	Yes	No	No
9	Dr. K.G Asha	10/B, "SPARSHA",	Member	Yes	Yes	Yes

Minutes of 2nd EAC (Non-Coal Mining) Meeting held during 16th – 18th August, 2022

	Manjari, Professor, University of Mysore	2nd Main, 2 nd Cross, Bhogadi IInd Stage, Mysore-570026, Karnataka				
10	Prof. Dev Dutt Sharma, Vice- Chancellor	Sardar Patel University, Mandi H.P. 175001	Member	Yes	No	Yes
11	Shri V. K. Soni, Representative of India Meteorological Department	Government of India, Ministry of Earth Sciences, India Meteorological Department, MausamBhawan, Lodi Road, New Delhi – 110003	Member	No	No	No
12	Shri Kale Ji/Shri Abhay Agrawal	Representative of Indian Bureau of Mines Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur - 440001	Member	Yes	Yes	Yes
13	Shri Nilip Malik	Representative of Directorate General of Mines Safety	Member	Yes	Yes	Yes
14	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira Paryawaran Bhawan, MoEF&CC, Jorbagh, New Delhi- 110003.	Member Secretary	Yes	Yes	Yes
