

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

SUMMARY RECORD OF 40th MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 40th meeting of the Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 26th – 27th October, 2021 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0.0) Deliberation & Circulation on the Minutes of the 37th EAC Meeting (Non-Coal Mining) held during 15th – 17th September, 2021.

The minutes of 40th EAC meeting held during 26th – 27th October, 2021 were placed before the members of the Committee. The Member Secretary informed the Committee that the following corrigendum was made in 37th EAC Meeting (Non-Coal Mining) held during 15th – 17th September, 2021 as given below:

Age nda No.	As per EAC meeting minutes dated 15 th – 17 th September, 2021	EAC recommended during 40 th EAC(non-coal) meeting on 26-27 th October,2021.																	
1.4	Pg No 18, Point No 21, below paragraph of Observation and Recommendation of the Committee (Specific conditions) (IA/TN/MIN/211 156/2017)	<p>11) The EC will be valid till 11.11.2035, in line with the lease validity.</p> <p>12) EAC recommended for an amount of Rs 3.55 Crores towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan provision are mentioned below: <u>Remediation plan with budgetary provision</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">S.No.</th> <th rowspan="2" style="text-align: center;">Component Remediation</th> <th rowspan="2" style="text-align: center;">Remediation Proposed</th> <th rowspan="2" style="text-align: center;">Total Cost in Lakhs</th> <th colspan="3" style="text-align: center;">Phasing years in Lakhs</th> </tr> <tr> <th style="text-align: center;">Year-</th> <th style="text-align: center;">Year-</th> <th style="text-align: center;">Year-</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S.No.	Component Remediation	Remediation Proposed	Total Cost in Lakhs	Phasing years in Lakhs			Year-	Year-	Year-							
S.No.	Component Remediation	Remediation Proposed					Total Cost in Lakhs	Phasing years in Lakhs											
			Year-	Year-	Year-														

				I	II	III
1	Air & Noise Environment	Dust suppression	43,20,000	14,40,000	14,40,000	14,40,000
2	Noise Environment and Ecology	Avenue Plantation	75,00,000	37,50,000	18,75,000	18,75,000
3	Water Environment	Surface Water Conservation & Ground Water recharge	20,00,000	15,00,000	2,50,000	2,50,000
Total			1,38,20,000	66,90,000	35,65,000	35,65,000
<u>Natural Resource Augmentation plan with budgetary provision</u>						
S.No.	Component Remediation	Remediation Proposed	Total Cost in Lakhs	Phasing years in Lakhs		
				Year-I	Year-II	Year-III
1	Natural Resource Augmentation Plan	Energy Conservation by adapting Green Energy technology	80,00,000	40,00,000	20,00,000	20,00,000
Total			80,00,000	40,00,000	20,00,000	20,00,000
<u>Community Resource Augmentation plan with budgetary provision</u>						

S. No.	Component Remediation	Remediation Proposed	Total Cost in Lakhs	Phasing years in Lakhs		
				Year- I	Year- II	Year- III
1	Community Resource Augmentation Plan	Development of Infrastructure & Facilities	15,00,000	15,00,000	--	--
			52,50,000	17,50,000	17,50,000	17,50,000
			30,00,000	20,00,000	--	--
			22,50,000	15,00,000	7,50,000	--
			17,70,000	5,56,000	5,56,000	2,78,000
Total			1,37,70,000	58,06,000	30,56,000	20,28,000
Grand Total			3,55,90,000	1,79,96,000	86,21,000	75,93,000

Summary

Sl. No	Activities	Estimated Cost (Rs. in Lacs)
01	Remediation plan	138.20
02	Natural Resource Augmentation Plan	80.00
03	Community resource Augmentation Plan	137.70
Total		355.90

13) Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs 3.55 Crores. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 3.55 Crores/- towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of Environmental Clearance.

		<p>14) Remediation plan along with the Natural and Community Resource Augmentation Plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.</p> <p>15) Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.</p> <p>16) The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p> <p>17) State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.</p> <p>18) Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.</p> <p>19) Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.</p>
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		<p>20)The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.</p>
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(1.0.1) Deliberation & Circulation on the Minutes of the 39th EAC meeting held during 11th – 12th October, 2021.

The minutes of 39th EAC meeting held during 11th – 12th October, 2021 were placed before the members of the Committee.

Day 1: 26th October, 2021 (Tuesday)

1.1 Proposal for Environmental Clearance of M/s J K Cement Ltd for Chenpura Limestone Deposit with total excavation of 3.05 MTPA [Limestone: 2.502 MTPA (Cement Grade: 0.876 MTPA & Sub grade: 1.626 MTPA), Topsoil: 0.008 MTPA, Sub soil/ alluvium: 0.040 MTPA and Waste 0.5 MTPA] along with 2 x 500 TPH capacity of crusher with screening in the mine lease area of 206.354 ha, located at Village: Nayagaon, Tehsil: Jawad & Village: Chenpura, Tehsil: Neemuch, District: Neemuch, State: Madhya Pradesh – [File No: IA-J-11015/7/2021-IA-II(M), Proposal No: IA/MP/MIN/193710/2021, Consultant: JM EnviroNet Pvt. Ltd] – Environmental Clearance (EC).

EAC Meeting Details:

EAC meeting	40 th
Date of Meeting	26 th – 27 th October, 2021

The proposal of M/s J K Cement Ltd is for grant of Environmental Clearance for Chenpura Limestone Deposit with total excavation of 3.05 MTPA [Limestone: 2.502 MTPA Limestone (Cement Grade: 0.876 MTPA & Sub grade: 1.626 MTPA), topsoil: 0.008 MTPA, Sub soil/ alluvium: 0.040 MTPA and Waste 0.5 MTPA] along with 2 x 500 TPH capacity of crusher with screening in the mine lease area of 206.354 ha, located at Village: Nayagaon, Tehsil: Jawad & Village: Chenpura, Tehsil: Neemuch, District: Neemuch, Madhya Pradesh. The mine lease area is located between Latitude 24°31'35.78"N to 24°34'33.65"N and Longitude 74°44'53.91"E to 74°46'27.65"E. The mine lease area falls under the Survey of India Toposheet No: G43U10, G43U11, G43U14, G43U15 and falls in Seismic Zone – II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth.

2. The Project Proponent (PP) has made an online application vide proposal no: IA/MP/MIN/193710/2021 dated 26.08.2021 and submitted Form2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and 2(b) Mineral Beneficiation and falls under Category “A” as the mining lease area is greater than 100ha and appraised at the Central level. PP also submitted that Interstate boundary of Rajasthan-Madhya Pradesh found adjacent to the mine lease area in Northern direction.

3. The proposal for Environmental Clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the railway line is running parallel to 30-60m away from mine lease area. The Committee also noted that the following villages Nayagaon (~130 m, NE), Chenpura (~200 m, SW), Gandhi Colony (adjacent to SE) and School (~100 m, W) are located in the vicinity of the mine lease area. Therefore, the Committee deferred the proposal for want of following requisite information. (i): Since the Drilling and Blasting activities are proposed in mining operations, the Project Proponent should obtain the NOC from Railway Department for mining within 100m. (ii): The Project Proponent shall submit the measures taken for strengthening of mine pit and protection of railway line which is running parallelly along the mine lease. (iii): As the drilling & blasting activity is proposed and the railway line is passing parallelly the lease boundary, 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?. (iv): The Project Proponent should explore the possibility of shifting the crusher to other location. (v): The Project Proponent should revisit the data submitted on noise level monitoring. The average data should be taken for every 15 minutes interval instead of 60 minutes interval in view of the sensitivity of the railway line passing parallelly the lease boundary. (vi): The Project Proponent shall submit the quantity to be handled annually of top soil and sub soil/ alluvium and the same should be reflected in total excavation. Utilization and management practices of the same to be adopted shall be submitted. (vii): The Project Proponent shall adopt the water softening techniques. The water facility should be provided throughout the year to the villagers instead of summer season only. The Project Proponent vide Lr NM/EMD/MoEF/F01/010 dated 11.10.2021 submitted the information sought in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021 as mentioned below:-

Point (i): Since the Drilling and Blasting activities are proposed in mining operations, the Project Proponent should obtain the NOC from Railway Department for mining within 100m.

Reply by PP: PP submitted that the mining shall be carried out initially at a distance of 300 meters away from the railway line using Controlled Blasting technique. NOC from railway department will be obtained for mining within 100 meters.

Point (ii): The Project Proponent shall submit the measures taken for strengthening of mine pit and protection of railway line which is running parallelly along the mine lease.

Reply by PP: PP submitted that the adequate safety barrier will be left between railway line and mine pit. Slope stability will be carried out through the scientific agency within first 5 years of mining after developing 3 benches of Limestone and the recommendations will be strictly complied. Plantation will be carried out at the outer edge of the berm and bench plantation will be developed over an area of 20.53 ha. Barbed wire fencing of 1.5m will be installed all along the boundary of the reservoir with gated single entry and exit in the area. PP also submitted that for protection of railway line, scientific study carried out by the CIMFR on 29th September, 2021 and all the recommendations will be strictly complied.

Point (iii): As the drilling & blasting activity is proposed and the railway line is passing parallelly the lease boundary, 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?

Reply by PP: PP submitted the scientific study carried out by CIMFR on 29th September, 2021 and recommendation made in the report is as follows:

- I. Khandwa-Ratlam-Ajmer Section of Western Railways is passing along the eastern boundary of the mining lease area. The distance of the railway line from the mining lease boundary varied from 60 to 100 m. The minimum and maximum distance of 1st five year working from the Railway line is 150 m and 290 m respectively.
- II. Amongst the different components of Railway Line, railway sleeper, steel rails, different parts of the overhead line electrifications viz. mast, electric line, insulators, rigid suspension etc. and the underpass are found to be vulnerable from blast induced ground vibration and fly rock,
- III. Chenpura village is located in the western side of the mining lease at the distance of 170 m from the mining lease boundary. Gandhi colony is also located just outside the mining lease area in the eastern side. However, the distance of Gandhi colony from the proposed 1st Five Year Working is 740 m and Chenpura village is 350 m,

- IV. For the assessment possible blasting impacts to the Railway line and nearby village houses/structures, the ground vibration predictor equation already developed by CSIR-CIMFR at the nearby mine of JK Cement situated at Nimbahera have been used. The mines at Nimbahera have the similar geo-mining condition with the study mine,
- V. Based on the dominant frequencies obtained at different mines of JK Cement Limited at Nimbahera and Vikram Cement of M/s UltraTech at Neemuch, the safe level of PPV for the different structures of Railway Line has been taken as 20 mm/s. However, for the village houses and other structures present at Chenpura village and Gandhi Colony, the safe level of PPV has been considered as 10 mm/s,
- VI. Based on the assessment of ground vibration levels for different explosive charge quantities at various distances, blasting operations can be carried out safely without affecting and endangering the Railway Line. Similarly, blasting operations can be carried out safely without affecting the habitants and residential houses/structures of Chenpura village and Gandhi Colony,
- VII. Controlled blast design patterns and firing patterns have been recommended for conducting safe blasting operations nearby the Railway Line for the safety of residential houses and other structures of the nearby villages,
- VIII. It is recommended to muffle the entire blasting area using blasting mats/wire-mesh/conveyor belts with sufficient sandbags within the blasting zone of 100-150 m from the Railway Line. Within the blasting zone of 150 to 200 m from the Railway Line, all the blast holes should be covered with either wire-mesh or conveyor belts and sufficient sandbags,
- IX. Blasting time should be fixed in consultation with the Railway Department. No blasting operation should be conducted during any train movement near the mining lease area and
- X. Nonel (Shock Tube) initiation system is recommended for in-hole explosive initiation and surface hole-to-hole firing. For effective control on ground vibrations, the recommended maximum scattering of delays in case of TLD is 5 ms and for DTH, the suggested limit for scattering of delay is 10 ms.

Point (iv): The Project Proponent should explore the possibility of shifting the crusher to other location.

Reply by PP: PP submitted that location of Crusher-1 has been shifted from near eastern site (distance from railway track 70 meters) to western direction (distance

from railway track 590 meters). PP also submitted the map showing the revised location of crusher in mining lease area.

Point (v): The Project Proponent should revisit the data submitted on noise level monitoring. The average data should be taken for every 15 minutes interval instead of 60 minutes interval in view of the sensitivity of the railway line passing parallelly the lease boundary

Reply by PP: PP submitted that ambient noise level monitoring has been carried out for every second and monitoring has been done as per the guidelines of CPCB. PP reported that noise level monitoring has been carried out 10 locations and reported that minimum and maximum noise level during day time ranged between 51.7 to 59.1 Leq dB (A) and during night time ranged between 40.8 to 47.7 Leq dB (A).

Point (vi): The Project Proponent shall submit the quantity to be handled annually of top soil and sub soil/ alluvium and the same should be reflected in total excavation. Utilization and management practices of the same to be adopted shall be submitted.

Reply by PP: PP submitted that total excavation to be handled will be 3.05 MTPA [Limestone: 2.502 MTPA (Cement Grade: 0.876 MTPA & Sub grade: 1.626 MTPA), Topsoil: 0.008 MTPA, Sub soil/ alluvium: 0.040 MTPA and Waste 0.5 MTPA]. PP also submitted that total quantity of top soil generation during plan period will be 0.0198 MT and during the entire life of mine will be 0.35 MT. The entire quantity will be used for plantation and green belt development. Sub soil/ alluvium will be temporarily dumped in the western side of the proposed five-year working area and these dumps will be re-handled and used for backfilling when the mineral will be exhausted in the working pit and to be reclaimed by plantation and & re-grassing. Total quantity of waste generation during plan period will be 0.90 MT and during the entire mine life will be 18.74 MT. The entire quantity will be used for backfilling.

Point (vii): The Project Proponent shall adopt the water softening techniques. The water facility should be provided throughout the year to the villagers instead of summer season only.

Reply by PP: PP submitted that water softener plant will be installed in consultation with the Panchayat for drinking water availability throughout the year. PP earmarked a budget of Rs.15.0 Lakh as capital cost and Rs. 4.0 Lakh as recurring cost.

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

Date of application	Proposal No	Consideration	Details	Date of accord
19.01.2021	IA/MP/MIN/193710/2021	27 th EAC meeting (non-coal mining)	ToR accorded for both 1(a) Mining of Minerals	02.03.2021

		held during 3 rd - 5 th Feb, 2021	and 2(b) Mineral Beneficiation with the production capacity of 2.502 Million TPA ROM (Cement Grade Limestone: 0.876 Million TPA & Sub grade Limestone: 1.626 Million TPA), Soil/Alluvium: 0.048 Million TPA, Waste: 0.5 Million TPA; Total Excavation: 3.05 Million TPA along with 2 x 500 TPH Capacity of Crusher with Screening in the mine lease area of 206.354ha	
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5. Details of Mine lease:

S.no	Lease particulars	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Prospecting License vide Lr F2-125/2012/12/1 Bhopal,	18.04.2013	Limestone	12.02.2015 to 11.02.2018	Govt., of Madhya Pradesh	450.465
2	Letter of Intent vide Lr F 3-57/2018/12/ 1	29.09.2018	Limestone	50 years	Govt., of Madhya Pradesh	206.354
3	Grant of Mining Lease vide Lr F3-57/2018/12/1	01.12.2020	Limestone	50 years	Govt., of Madhya Pradesh	206.354

6. Details of executed Mine leases.

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	04.12.2020	03.12.2070	MP279462020A1810452 dated 04.12.2020

7. Details of Mine Plan

S. no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Mining Plan with Progressive Mine Closure Plan approved by IBM	MP/Neemuch/ Limestone/MP LN/G-10/ 2020-21/3274, Jabalpur	10.11.2020	5 years from the date of registration of lease deed	206.354ha

8. The Project Proponent submitted that mining operations will be carried out by fully mechanized opencast method. PP reported that total Geological Resources of Cement Grade Limestone is 29.067 Million Tonnes & Sub-grade Limestone is 105.275 Million Tonnes and Mineable Reserves of Cement Grade Limestone: 21.636 Million Tonnes & Sub-grade Limestone: 79.71 Million Tonnes. Life of the mine will be 44 years. PP also reported that the total excavated limestone will be 8340 TPD. Peak production and transportation per day will be 9591 TPD based on 15% increase in total production capacity. The proposed bench height will be 6 meters maximum and width of working bench will be 10 meters. Overall pit Slope will be 45°. Drilling will be carried out by compressed air fed wagon drills. Conventional blasting will be done using SME/ ANFO. Loading will be done by 3.9 cu.m bucket capacity of Hydraulic Excavators and transport of mineral will be done by dumper (55 Tonnes capacity) to crusher via haul road. Further crushed limestone to be transported to the existing interlinked Cement Plants located at Kailash Nagar, Tehsil: Nimbahera, District: Chittorgarh, Rajasthan and at Village: Mangrol, Tehsil: Nimbahera, District: Chittorgarh, Rajasthan through tippers (35 Tonnes capacity) via road (eastern side) adjacent to the Railway track nearby the NH-79. Capacity of Crusher is 2 x 500 TPH with Screening (In Phased Manner, initially 500 TPH will be installed and later on additional 500 TPH crusher will be installed) and proposed to be installed in southern block of Limestone mine. The limestone is utilized for cement manufacturing by dry process. There is no wet processing or beneficiation necessary to upgrade the limestone. The input size of the material being dumped in Crusher hopper is 1.2 X 1.2 X 1.2 Cu.m and the output size is 50 mm. A screen is installed at Crusher which screen out fine clay of -6 mm size and segregated by screen reject belt conveyor. The screen reject material is further used in haul road maintenance, levelling and balance reject material is being dumped in waste dumps. Total top soil to be generated during plan period will be 19865.10 Tonnes which will be used for plantation and green belt development simultaneously. During the plan period about 89580 CuM (0.12541 Million Tonnes) of soil/ alluvium will be generated which will be temporarily dumped in the western side of the proposed five year working area and these dumps will be re-handled and used for backfilling when the mineral will be exhausted in the working pit. At conceptual stage, total 0.35 million tonnes Top Soil, 1.86 million tonnes Soil/alluvium & 18.74 million tonnes of OB waste will be generated which will be backfilled & reclaimed by plantation. PP submitted that the mining shall be carried out initially at a distance of 300 meters away from the railway

line using Controlled Blasting technique. NOC from railway department will be obtained for mining within 100 meters. PP also submitted that the adequate safety barrier will be left between the railway line and pit. Slope stability will be carried out through the scientific agency within first 5 years of mining after developing 3 benches of Limestone and the recommendations will be strictly complied. Further, PP submitted that as per the advice of the Hon'ble EAC Committee members, location of Crusher-1 has been shifted from near eastern site (distance from railway track 70 meters) to western direction (distance from railway track 590 meters).

9. The Project Proponent reported that the general ground level is 467 AMSL and depth of the water level in pre-monsoon period ranges between 18 to 20m bgl while in post-monsoon season, water level ranges between 16 to 18m bgl. Working depth during plan period will be 448m AMSL (19m bgl), working depth during conceptual period (Southern Block) will be 393m AMSL (79m bgl) and working depth during Conceptual Period (Northern Block) will be 388m AMSL (84m bgl). Hence, there will be ground water intersection.

10. Water requirement

Total water requirement	96.5 KLD (Fresh water – 92.5 KLD & Treated water – 4.0 KLD)	Wet Drilling, Crushing, Dust Suppression on haul roads and OB dumps	65.0 KLD
		Plantation and Greenbelt Development	20.0 KLD
		HEMM Washing	5.0 KLD
		Drinking water & Domestic Purpose	2.5 KLD
Source	Ground Water and mine sump		
Permission	PP submitted the NOC obtained from CGWA for ground water abstraction vide NOC no CGWA/NOC/MIN/ORIG/2021/11940 dated 21.05.2021 for abstraction of 147.50 m ³ /day of fresh water and is valid for the period up to 20.05.2023		
Additional information	PP submitted that initially, during the plan period total fresh water 92.5 KLD water will be sourced from ground water after taking the prior approval from CGWA. From, fifth year onwards, 2.5 KLD water for drinking & domestic purpose will be sourced from ground water while remaining 90.0 KLD water will be sourced from the mine sump. Waste water of 4.0 KLD from HEMM washing will be used for dust suppression in crushing after removal of oil & grease content. PP also submitted that water softener plant will be installed in consultation with the Panchayat for drinking water availability throughout the year and PP earmarked a budget of Rs.15.0 Lakh as capital cost and Rs. 4.0 Lakh as recurring cost for the same.		

11. Land Area Breakup

Private land	140.039ha
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Government land	62.688ha
Industrial land	3.627ha
Total Mining lease area (MLA)	206.354

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

Particulars	Details	Distance & Direction
Nearest Village	Nayagaon Village	~130 m, North East
	Chenpura Village	~ 200 m, South west
	Gandhi Colony	Adjacent, South East
Nearest Town/ City	Nimbahera	~ 7.0 km, North
Nearest Highway	NH-79	~200 m, NE
	NH-56	~7.5 km, WNW
Nearest Railway Station	Jawad Road Railway Station	~60 m, East
	Bisalwas Kalan Railway Station	~2.5 Km, SSE
Water Bodies	<p>i. PP submitted that there are two small seasonal nallas in the area with westerly flows. One is located in southern block trending NW-SE. Another one is located in the northern block trending east-west occurs in the northernmost part of the lease area, forming the boundary. Both nallas have already deducted from the granted lease area. Other water bodies found in the study area are</p> <p>i. Daru Nadi (~2.5 Km in West direction) ii. Nimbahera Nadi (~ 7.0 km in NW direction) iii. Kadamali Nadi (~4.0 Km in WNW direction) iv. Gambhir Nadi (~ 9.0 Km in ENE direction)</p>	

13. 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 that there is no forest land involved in mining lease area. There is no National Park, Wildlife Sanctuary, Biosphere Reserves, Tiger Reserves and Wildlife Corridors etc. within 10 km radius of the mining lease area. PP also submitted that NOC for the same has been obtained from DFO, Neemuch vide letter no Maa. Chi/2021/3878 dated 11.08.2021 and from APCCF vide letter no F-1/Env/2021/2788 dated 16.08.2021.
National Park	No	
Wildlife Sanctuary	No	
Details of Reserve Forest/ Protected Forest		
Name of Reserve	Distance	Direction

Forest/ Protected Forest		
Chapropi Bir Block	~7.0 Km	SSW
Motatonk PF	~8.0 Km	SW
Reserved Forest	~8.5 Km	South

Availability of Schedule-I species in study area – Available

If available - authenticated list of flora/fauna details

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	PP submitted that there are 4 Schedule I faunal species [Indian Peafowl (<i>Pavo cristatus</i>), Monitor Lizard (<i>Varanus bengalensis</i>), Python (<i>Pythonidae</i>) and Leopard (<i>Panthera Pardus</i>)] observed in the study area.
Authentication of Flora and Fauna	Yes	PP submitted the authentication of flora & fauna along with conservation plan for schedule I species has been approved from DFO, Neemuch vide letter no Maa. Chi/2021/3880 dated 11.08.2021 and from CCF, Ujjain vide letter no Maa. Chi/2021/4967 dated 16.08.2021.
Wildlife Conservation Plan	Yes	PP submitted the Wildlife Conservation Plan approved from Chief Wildlife Warden for an amount of Rs. 132 Lakh vide letter no WL/Maa. Chi/GEN-274/6096 dated 18.08.2021 for the period of 10 years.

14. Green belt/plantation details

Proposed area for green belt/plantation	80.03 ha
Budget for green plant & plantation till the end of life of mine.	Capital Cost Rs. 4.0 Crore & Recurring Cost: Rs. 48 Lakh
Budget for nursery	Nil
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Greenbelt will be developed covering 11.0ha area along the 7.5m of the lease periphery. Out of the 11.0ha, 4.0ha will be covered in southern part of the lease area during 1 st year and 7.0ha will be covered in middle and northern part of the lease area in 2 nd year. Plantation along the 7.5m safety zone of road, nalla and habitation will be carried out covering 4.0 ha area within 3 rd year.
50 m safety zone of nallah, roads, electric lines	
50 m safety zones of nearest habitation villages	
Backfilled area	Plantation & re-grassing will be carried out on 44.50 ha of backfilled area.
Bench Plantation	Bench plantation will be developed over an area of 20.53 ha
Proposed Plantation during Plan	An area of 15.0ha will be covered with 37,500

period	no.s of saplings and Survival rate will be maintained at 90%. Species proposed to be planted are <i>Aegle marmelos</i> , <i>Albizia lebbeck</i> , <i>Azadirachta indica</i> , <i>Bauhinia racemosa</i> , <i>Cassia fistula</i> , <i>Dalbergia sissoo</i> , <i>Ficus religiosa</i> , <i>Mangifera indica</i> , <i>Ailanthus excels</i> , <i>Madhuca indica</i> , <i>Tamarindus indica</i> etc. An budget of Rs 75 Lakhs (Capital cost) and Rs 9 Lakhs (Recurring) towards development of greenbelt during plan period.
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15. 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 Monsoon season. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water for the month of October to December, 2020 have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)					
Period of baseline data collection			October to December, 2020		
Season (Summer / Pre-monsoon / Post-monsoon / Winter)			Post Monsoon		
Period	Results of Baseline monitoring				
AAQ parameters at 10 locations	Pollutant	Min, $\mu\text{g}/\text{m}^3$	Max, $\mu\text{g}/\text{m}^3$	98 %le , $\mu\text{g}/\text{m}^3$	Standard, $\mu\text{g}/\text{m}^3$
	PM2.5	28.9	55.8	55.2	60
	PM10	58.4	93.2	92.0	100
	SO2	5.7	13.5	13.4	80
	NOx	13.4	28.9	28.6	80
AAQ modelling (Incremental GLC)	Pollutant	Baseline Concentration, $\mu\text{g}/\text{m}^3$	Incremental Concentration, $\mu\text{g}/\text{m}^3$	Total GLC, $\mu\text{g}/\text{m}^3$	Standard
	PM2.5	38.3	1.3	39.6	60
	PM10	73.7	2.8	76.5	100
	SO2	13.0	1.5	14.5	80
	NOx	20.8	1.7	22.5	80
Noise level at 10 locations	Day Time: 51.7 to 59.1 Leq dB (A) Night Time: 40.8 to 47.7 Leq dB (A)				
Ground water quality at 8 locations	pH varied from 7.12 to 7.84, Total hardness varied from 210 mg/l to 534.6 mg/l Total dissolved solids varied from 440 mg/l to 834 mg/l. The water samples contain, chloride from 94.9 to 167.4 mg/l, SO4 varied from 30.2 to 132.5 mg/l, Ca from 40.08 to 120.07 mg/l and Mg varied from 14.58 to 56.5 mg/l. Overall quality of water found to be potable. The villagers use ground water for drinking purposes and also rain water stored in small tanks, village ponds etc.,				

Soil quality at 8 locations	The soil samples exhibit brown and blackish which indicates good fertility and presence of organic matter (0.72% to 1.49%) and organic carbon (0.42% to 0.87) observed to be appropriate for the plant growth. The texture of the soil sample found to be sandy loam. All soil samples have slightly alkaline having pH ranging from 6.75 to 8.87 which is an optimal range for most the plant to thrive and grow.
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16. Public Hearing (PH) Details

Advertisement for PH with date	"Dainik Bhaskar and Times of India" on 13.06.2021
Date of PH	15.07.2021
Venue	Govt. Primary school, Village-Chenpura Mine, Tehsil & District-Neemuch (M.P.)
Chaired by	1. Chairperson: Shri S. R Nayar, Additional District Magistrate, Neemuch. 2. Officers: Shri H.K Tiwari, Regional Officer, Madhya Pradesh Pollution Control Board
Main issues raised during PH	Education, Employment, Land compensation, Health and Medical facilities, Livelihood, Skill development, water facilities, Environment pollution, Plantation and poor infrastructure etc.
Budget proposed for addressing issues raised during PH	Rs. 2.67 Crore

17. The Project Proponent submitted that total mining lease area is 206.354 ha, out of which 140.039 ha is Pvt. land, 3.627 ha is Industrial Land and 62.688 ha is Govt. land which spreads in 2 villages namely Nayagaon & Chenpura. Out of the total 140.039 ha of Pvt. Land, 4.057 ha land has been purchased by mutual agreement and rest will be undisturbed and will not be purchased. As per khasra details there are 156 PAFs involved in which 147 PAFs having land only and 9 PAFs having houses on Govt. Land (8 in Nayagaon village and 1 in Chenpura village) which will be displaced due to the mining activity. Land will be purchased in transparent manner in mutual agreement with the land holders at mutually agreeable rates. Total budget for Land and R&R is estimated as Rs. 91.192 Crore. However, the actual cost will be as per the mutual agreement with the land owners.

18. Court case details

Court Case	There is no any Court Cases pending against the project and/or land in which the project is proposed to be set up
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19. Affidavit/Undertaking details

Affidavit in a Non-Judicial Stamp paper of Rs 100 bearing AW	The Company with all the statutory requirement & judgment of Hon'ble Supreme Court dated 2nd
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722631 dated 18.01.2021	August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.
PP submitted an undertaking dated 26.08.2021	The conditions laid down in Terms of Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/7/2021-IA.II (M) dated 02.03.2021 have been complied with, and the data submitted and information presented in this report are factually correct.
Consultant submitted an Undertaking dated 10.08.2021	The conditions laid down in Terms of Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/7/2021-IA.II (M) dated 02.03.2021 have been complied as per data/details provided by Project Proponent & as per Approved Scheme of Mining approved by IBM, Ajmer and the data submitted are factually correct.
Plagiarism Certificate checked on 10.08.2021	The Head of the Accredited Consultant Organization/ Authorized person certified that this EIA Report has been evaluated by using online in-house software viz. small tools https://smalltools.com/plagiarism-checker/ . The report produced has been analyzed by the system and based on it, I certify that the EIA Report produce in accordance with good scientific practice.

20. Details of the EMP

S. No	Particulars	Capital Cost (Rs. In Lacs)	Recurring Cost/ Annum (Rs. In Lacs)
1	One no of high-efficiency nozzle mounted water tanker for water sprinkling on haul roads.	35	5
2	Plantation on 7.5 mtr of periphery of mining lease area and road, Nallah etc. (15 ha) will be done in initial three year of plan period @ 2500 plants per ha (37500 nos.)	75	9
3	Plantation will be done till the end of mine life 162575 nos of plant in 65.03 ha.	325.15	39
4	01 nos. of Continuous Ambient Air Quality Monitoring Station at Mine office for the measurement of air quality for PM10, PM2.5, SO2, NOx and CO and real time data connectivity with CPCB/SRPCB server	50	4
5	Emission Monitoring of air quality, water quality and Noise by NABL accredited laboratory on quarterly basis. (Rs. 50000/- quarterly)	0	2
6	Peak Particle Velocity monitoring (Vibration monitoring)	3.5	0.5

7	Installation of 1 no.s of piezometer along the periphery.	0.5	0.2
9	Installation of Water Sprinkler system	1.5	0.25
10	01 no of Rainwater Harvesting structure	10.5	2.5
11	Strengthening of road from mine face to highway	10	0.5
12	Construction of garland drain (total length 681 mtr (1.5m (width) and 1.0m (depth)) and de-silting pit / settling pond for two nos. of dump (soil & subgrade) and Catch drain along the lease periphery (total length 11 km, 1.5m (width) and 1.0m (depth)	2	0.5
13	Construction of septic tank & soak pit or Modular STP for office utility	1	0
14	Roof top rainwater harvesting for mine office	2	0.2
15	4 nos. of Bag-filter for crusher system& dry-fog system	50	5
16	Public Hearing Action Plan for three year	267	18
17	Wildlife Conservation Plan (for 6 Schedule-I species) for ten year	132	
Total		965.15	86.65

21. Details of project cost and employment:

Particulars	Budget
Capital Cost for Environment Protection	Rs 698.15 Lakh
Budget for addressing the Public Hearing issues	Rs 267 Lakh
Total Cost for EMP	Rs 965.15 Lakh
Recurring Cost for EMP	Rs 86.65 lakh/annum
Project Cost	Rs 133.40 Cr
Employment	58 Persons

22. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 40th EAC (Non-Coal Mining) meeting held during 26th – 27th October, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Environmental Clearance for M/s J K Cement Ltd for Chenpura Limestone Deposit with total excavation of 3.05 MTPA [Limestone: 2.502 MTPA (Cement Grade: 0.876 MTPA & Sub grade: 1.626 MTPA), Topsoil: 0.008 MTPA, Sub soil/ alluvium: 0.040 MTPA and Waste 0.5 MTPA] along with 2 x 500 TPH capacity of crusher with screening in the mine lease area of 206.354 ha, located at Village: Nayagaon, Tehsil: Jawad & Village: Chenpura, Tehsil: Neemuch, District: Neemuch, Madhya Pradesh subject to the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects:

- i. Environmental Clearance will be functional only after obtaining No-objection Certificate (NOC) from Railway Board and no production and dispatch will be

carried out without obtaining NOC from Railway Board. A copy of the NOC must be submitted to the Ministry, Integrated Regional Office and Madhya Pradesh Pollution Control Board. The conditions/preventive measures prescribed by the Railway Board, if any shall be complied by the Project Proponent and implementation status should be submitted to the IRO & Railway Board.

- ii. The Project Proponent shall ensure that no mining activity will be carried out within the distance of 300m from the railway line. The pit embankment along the direction of railway should be strengthen using cement mortar or other measures to avoid any danger to railway line. For working beyond 300 m of the railway line all the precautionary measures for flyrock as mentioned in the section 4.2 of the Scientific study report of CIMFR, Dhanbad should be followed.
- iii. Scientific study carried out by CIMFR for assessment of blasting report shall be sent to Integrated Regional Office for further necessary action.
- iv. No mining activity will be allowed to undertake within a distance of 740m from Gandhi colony and 350m from Chenpura village.
- v. The Project Proponent shall strictly follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z11013/57/2014-IA.II (M), dated 29th October, 2014.
- vi. The Project Proponent shall carryout the scientific study on slope stability within first 5 years of mining and the report shall be submitted to the Ministry for further review and appraisal. This will be the requisite document for mining after 5 years.
- vii. The Project Proponent shall submit the progress report on the Environmental Management Plan to the Integrated Regional Office every year.
- viii. The Project Proponent should collect six monthly data on ambient air quality, noise and ground vibration by installing adequate no. of monitoring station during blasting at the edge of the mine, near the village and railway line and such collected data should be submitted to IRO during EC Compliance monitoring.
- ix. The Project Proponent shall locate the crusher in the western direction at a distance of 590m distance from railway track as committed by PP during the presentation.
- x. The budget of Rs 2.67 Crores to address the concerns raised by the public including in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for

public hearing concerns and make regular maintenance and record the progressive activity outcomes.

- xi. The Project Proponent shall carry out the plantation with the survival rate of not less than 90% by planting 10 ft seedlings. Casualties should be replaced with new saplings every year and be counted separately other than the total proposed saplings. The data for such saplings should be furnished during six monthly compliance report along with the progressive plantation. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.
- xii. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.
- xiii. The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the Central/State Government, as provided under the law.
- xiv. The conservation plan in consultation with the Forest Department shall be implemented and compliance of the same shall be submitted to IRO of MoEF&CC before 1st July of every year.
- xv. The Project Proponent should install suitable water softening plant and ensure the availability of adequate drinking water throughout the year for mine workers and their family as well as residents of Nayagaon & Chenpura village.
- xvi. PP should also explore the possibility of using water body surface area for installing floating solar panels to generate solar power and supply to the villages.
- xvii. The Project Proponent should explore the possibility for shifting to clean energy using electric equipment for cleaner production options to reduce the emission generated from various machinery.
- xviii. Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons every year.

1.2 Proposal for Terms of Reference of M/s Lalajee Minerals for Negariya Manganese (Psilomelane) mine for total excavation of 26,466 TPA [Manganese-975 TPA, Over Burden (OB)-25,378 TPA, Inter-Burden (IB)-113 TPA] in the mine lease area of 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh – [File. No: IA-J-11015/65/2019-IA-II(M), Proposal No:

IA/MP/MIN/105055/2019, Consultant: Aseries Envirotek India Pvt. Ltd] – Terms of Reference (TOR).

EAC Meeting Details:

EAC meeting	40 th
Date of Meeting	26 th – 27 th October, 2021

The proposal of M/s Lalajee Minerals is for grant of Terms of Reference for Negariya Manganese (Psilomelane) mine for total excavation of 26,466 TPA [Manganese-975 TPA, Over Burden (OB)-25,378 TPA, Inter-Burden (IB)-113 TPA] in the mine lease area of 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh. The mine lease area is located between Latitude 22°50'53.5"N to 22°51'00.7"N and Longitude 74°30'31.6"E to 74°30'42.9"E. The mine lease area falls under the Survey of India Toposheet no: 46 J/7 and falls in Seismic Zone-III. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth.

2. M/s Lalajee Minerals has made an online application vide proposal no: IA/MP/MIN/105055/2019 dated 10.05.2019 and submitted Form-1 & Pre-Feasibility Report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as Gujarat – Madhya Pradesh Interstate boundary is located at a distance of 3.2 km, NW from the mining lease area and appraised at the Central level.

3. The proposal for Terms of Reference was earlier considered in the 32nd EAC meeting held during 28th June, 2021 to 1st July 2021. Project Proponent/Consultant requested for deferment, as there was no power available at their office. Further, the Committee was of the view that the Consultant was not prepared to make presentation and answer the basic details about the project and there was no submission of documents to the EAC. Therefore, the Committee deferred the proposal as requested by the Project Proponent. Then, again the proposal was considered in the 34th EAC (Non-Coal Mining) meeting held during 27th to 30th July, 2021, the Member Secretary informed the Committee that the Project Proponent vide email dated 30.07.2021 informed that they are unable to attend the meeting. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and deferred the proposal for want of the additional information. PP submitted the information on 03.09.2021 in Parivesh and again the proposal was placed in was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the lease was granted on 13.07.2011 and PP has not submitted the copy of the lease deed execution in PARIVESH. As per the sub section (4) of the section 4A of MMDR Act,

1957 as amended on 28.03.2021 “where the Central Government has communicated previous approval as required under sub-section (1) of section 5 for grant of a mining lease, or if a letter of intent (by whatever name called) has been issued by the State Government to grant a mining lease, before the commencement of the Mines and Minerals (Development and Regulation) Amendment Act, 2015, the mining lease shall be granted subject to fulfilment of the conditions of the previous approval or of the letter of intent within a period of two years from the date of commencement of the said Act”. Therefore, the Committee deferred the proposal and asked the PP to submit the lease execution copy on PARIVESH. PP submitted the copy of the lease deed registered on 10.01.2017 for a period of 50 years vide MP199172017A1011500 in Parivesh on 09.10.2021.

4. Lease Detail

S.no	Grant of PI/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Prospecting License vide Lr 2-38/2008/12/1	12.01.2009	Manganese	07.03.2009 to 06.03.2010	Govt. of Madhya Pradesh	6.50
2	Letter of Intent vide Lr F-3-7/2010/12	02.05.2012	Manganese	30 years	Govt. of Madhya Pradesh	4.99

5. Details of executed Mine leases.

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	10.01.2017	09.01.2067	MP199172017A1011500 dated 10.01.2017

6. Mining plan

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	Indian Bureau of Mines vide Lr JHB/DOL/MPLN-1131/NGP
	Date of approval	02.04.2013
	Mineral	Manganese Ore
	ML area	4.99 Ha
Mining Parameters		Quantitative Description
Method of Mining		Opencast semi mechanized method of manual mining by deployment of hand tools such as spades, hammer, crowbar, and chisel.

Total Geological reserves	5,520 MT
Total Mineable reserves	3,881 MT
Life of mine	6 years
Bench Height	2-4m
Bench Width	As per DGMS requirements and not less than height of the bench
Individual bench slope	80-85°
Overall pit slope	55°
Drilling/Blasting	Jack hammer drill will be used to make 1.5m deep hole at one stroke therefore blasting will be carried out in two to three sub benches and 0.35kg of explosives will be required daily.
Transportation details	After sorting of Mn ore, it will be loaded in to the trucks and tractor manually. Produced Manganese transported to the destination nearby cement plant by dumpers/ trucks.
Topsoil	Nil
Overburden	33,316 Tonnes of OB waste will be generated during first five-year plan period and will be dumped temporarily within lease area in non-mineralized zone in the western part of the lease area.
Intercalated waste	Intercalated waste is about 449 MT and will be stored in non-mineralized zones within lease area and utilized for making and maintaining of haul roads.

7. Land Area Breakup

Government land	4.99 Ha
Total Mining lease area (MLA)	4.99 Ha

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

Particulars	Details	Distance & Direction
Nearest Village	Negariya Village	~ 0.51 km, W
Nearest Town	Meghnagar Town	~ 7.0 km, NE
Nearest Highway	National Highway NH-59	~ 4.4 km, S
Nearest Railway line	Ratlam – Dahod Section	~ 2.6 km, NNW
Nearest Waterbody	Anas River	~ 0.20 km, S

9. Water requirement

Total water requirement	7.33 KLD	Dust Suppression	6.30 KLD
		Drinking & Domestic	0.50 KLD
		Plantation	0.54 KLD
Source	Drinking and domestic purpose water will be obtained from		

	tube wells situated near the mine lease area. Remaining 6.84 KLD water will be met from sump proposed to be constructed in the pit which will be used for dust suppression, afforestation and Jhiri cutting respectively.
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10. Presence of Environmentally Sensitive areas in the study area

Forest Protected Environmental Sensitivity Zone	Land/ Area/	Yes/No	Permission
Forest Land		No	PP submitted letter issued by office of the DFO, Jhabua vide Lr No Maa.Chi 2017/4768 Jhabua, dated 27.10.2017 wherein it has been mentioned that the lease area is situated beyond 700m form the forest border and there is no National Park, Sanctuary, declared Bio-diversity area within 10 km periphery and no forest land within 250 m periphery.
Reserve Forest		No	
National Park		No	
Wildlife Sanctuary		No	
Tiger/Elephant Reserves		No	
Biosphere Reserve		No	
Wildlife Corridor		No	

11. Green belt/plantation details

Particulars for Green belt/plantation	Area covered (in Ha)
Proposed area for green belt/plantation	1.64 Ha
No of Saplings	200/year

12. Court case details

Court Case	There is no any Court Cases pending against the project and/or land in which the project is proposed to be set up
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13. The Project Proponent submitted that this is a new proposal and no mining has been done in the lease area. PP applied to the Mines Dept. for obtaining certificate to this effect. PP also submitted the affidavit in a non-judicial stamp paper of Rs 100 bearing BN 365673 dated 21.08.2021 declaring that no mining was done in the lease area till date.

14. Resettlement & Rehabilitation (R&R)

R & R Plan	NA
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15. Details of project cost and employment

Particulars	Budget (Rs. In Crore)
Project Cost	Rs. 0.80
Employment	11 persons

16. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 40th EAC (Non-Coal Mining) meeting held during 26th – 27th October, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference for M/s Lalajee Minerals for Negariya Manganese (Psilomelane) mine for total excavation of 26,466 TPA [Manganese-975 TPA, Over Burden (OB)-25,378 TPA, Inter-Burden (IB)-113 TPA] in the mine lease area of 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:-

- i. The Project Proponent needs to submit the normative and peak total excavation in tonnes including mineral, overburden, inter-burden, waste, top soil, rejects etc. to be handled annually and the management of topsoil and waste needs to be properly addressed. The mineable reserves, blocked reserves need to be mentioned along with the life of mine. Waste to be generated during the entire life of mine and details of the location of dumping/backfilling area need to be submitted during EC appraisal.
- ii. The Project Proponent should clearly bring out the environmental impacts and measures taken for protection of Anas River (~ 0.20 km, S) and other water bodies in the vicinity of the mine lease area.
- iii. The Project Proponent needs to submit the plan for transport route and the no. of vehicles used for transportation along with capacity/type.
- iv. The Project Proponent should submit the plantation plan in tabular format (year wise for life of mine) with proper time bound capital and recurring cost. Entire plantation shall be carried out by planting the seedling of 10 ft height with at least 90% survival rate. Undertaking in this regard needs to be submitted by PP.
- v. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through proper separate budget for the concerns of the local people in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets, infrastructure and environment protection.
- vi. The Project Proponent should submit the letter from Department of Geology and Mining, State Government that no mining was done in the lease area till date.
- vii. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the

project area. PP should also submit list of Schedule – I species present in the lease area authenticated by PCCF 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 lease area.

- viii. Over all pit slope shall not exceed 45° and PP shall bring out the land use classification of the mine lease area of 4.99ha.
- ix. The Project Proponent needs to submit the Affidavit as per Ministry's O.M No 3- 50/2017 -IA.II(M) dated 30.05.2018.

1.3 Proposal for Environmental Clearance for Sultanpur Thanda Limestone Mine of M/s NCL Industries Limited for expansion of production of limestone from 0.05 to 1.0 MTPA with Total Excavation of 1.0 MTPA [Limestone – 1.0 MTPA (ROM) and Waste/Reject/IB/OB/Top Soil – Nil] in the mine lease area of 42.83 Ha in Survey No 540 (P), located at Pedaveedu Village, Matampalli Mandal, Nalgonda District, Telangana - File. No: J-11015/159/2016-IA.II(M), Proposal No: IA/TG/MIN/53618/2007, Consultant: B S Envi-Tech (P) Ltd] - Environmental Clearance (Violation)

EAC Meeting Details:

EAC meeting	40 th
Date of Meeting	26 th – 27 th October, 2021

The proposal of M/s NCL Industries Limited is for grant of Environmental Clearance for Sultanpur Thanda Limestone Mine for expansion of production of limestone from 0.05 to 1.0 MTPA with Total Excavation of 1.0 MTPA [Limestone – 1.0 MTPA (ROM) and Waste/Reject/IB/OB/Top Soil – Nil] in the mine lease area of 42.83 Ha in Survey No 540 (P) located at Pedaveedu Village, Matampalli Mandal, Nalgonda District, Telangana. The mine lease area falls under the Survey of India Toposheet No 56 P/14 and bounded by Latitude 16°42'44.50"N to 16°43'15.60"N and Longitude 79°50'19.20"E to 79°50'58.20"E and falls in Seismic Zone-II.

2. M/s NCL Industries Limited initially made an online application vide proposal no: IA/TG/MIN/53618/2007 dated 06.02.2019 and submitted Form2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the interstate boundary of Telangana-Andhra Pradesh located at a distance of 1.0km, S from the mining lease boundary and appraised at the Central level.

3. The proposal was earlier considered in the 8th EAC Meeting held during August 27-28, 2019 and the PP not able to attend the meeting. The Committee therefore deferred the proposal and was of the view that PP should submit the past production details duly authenticated by DMG for examining the proposal in light of

Common Cause Judgment dated 02.08.2017 and S.O. 804(E) dated 14.03.2017. In this regard, the Ministry sought additional details on 25.09.2019. Since the PP did not submit the information, the proposal was delisted from the PARIVESH portal on 20.05.2020. Then, the PP relisted the proposal on 17.02.2021 and submitted the information for the additional details sought in 8th EAC Meeting held during August 27-28, 2019 vide Lr. No: NCL/Mine/EC/MoEFCC/ADS/ 2021 dated 02.02.2021. Then again, the proposal was considered in 29th EAC (Non-Coal Mining) meeting held during 15th-17th March, 2021 during the EAC meeting, the Project Proponent informed the Committee that there is excess of the production against the EC capacity of 50,000 TPA during the period 2015-16 (52,000 TPA), 2016-17 (51,000 TPA) and 2018-19 (50,021 TPA). The Committee was of the view that this proposal is a violation of the EIA Notification 2006 and subsequent amendments as PP has enhanced the production against the approved EC capacity of 50,000 TPA. The following principle as approved by the Competent Authority with respect to consideration of violation cases to be followed:

- i. Send the matter to the Sector EAC for consideration of the case on merit.
- ii. Take action against the alleged violation as per law.
- iii. Do not wait for either the evidence of action having been started or violation proceedings to finish before taking up the case on merit.
- iv. The EC if given after consideration on merit would be valid from the date it is given and not with retrospective effect. For the period before it, if violation is established by the court or the competent authority, the punishment/penalty as per law would be imposed.

In view of the above, the Committee deferred the proposal for want of the additional information. Then, PP vide letter NCL/Admin//2021-22 dated 30.06.2021 requested additional time for submission of information sought by the EAC in 29th EAC Meeting held during 15th - 17th March, 2021. Now, the PP resubmitted the proposal vide no: IA/TG/MIN/53618/2007 dated 07.10.2021 along with the information sought by the EAC in 29th EAC Meeting held during 15th - 17th March, 2021 as mentioned below:

Point (i): The State Government/SPCB to take action against the project proponent under the provisions of the Environment (Protection) Act, 1986.

Reply by PP: PP submitted that State Government/SPCB has initiated action under the provisions of Section 19 of the Environment (Protection) Act, 1986. A case has been filed at Additional Junior Civil Judge Court, Kodada, Suryapet District with CC number of 202/2021. Credible Action case is pending under EPA, 1986.

Point (ii): The Project Proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory

authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.

Reply by PP: PP submitted that Bank guarantee will be submitted after EAC appraisal on deciding the amount. The estimated amount of bank guarantee amount towards the damage assessment, Remediation Plan and Natural and community resource augmentation is about Rs 60,000/-. PP proposed an amount of Rs 1,03,000/- for the same.

Point (iii): Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

Reply by PP: PP submitted that there was excess production against the EC capacity of 50,000 TPA during the period 2015-16 by 2000 TPA, 2016-17 by 1000 TPA and 2018-19 by 21 TPA. Total excess production in three years is about 3021 T. The maximum excess production of 6 T/Day (2000 TPA) is considered for damage assessment. The assessment carried out on all the environmental aspects showed no impact/negligible impact. PP considered the protocol followed by TS SEIAA to arrive at cost of damage assessment. PP submitted that as the baseline data collected and analysed was three years old (Dec-2016 to Feb-2017), PP revalidated the baseline data covering summer season (March-May, 2021). PP submitted that 9 attributes are falling in low category and the damage cost is worked out for low level ecological damage. PP also submitted that the equivalent area of damage for excess production of 3021 Tonnes worked out based on mine planning. The area is estimated to be about 100m² (0.01 ha). However, for estimation of damage cost, an area of 0.5 ha considered and the damage cost for the same is estimated to be about Rs 60,000.

Point (iv): Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

Reply by PP: PP submitted that Ecological damage cost assessed as Rs 0.60 Lakhs. EMP comprising remediation plan and natural and community resource augmentation worked out as Rs 1.03 Lakhs with time schedule of two years. Economic benefits derived due to violation is Rs 1.9 Lakhs.

Point (v): The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.

Reply by PP: PP prepared an independent Chapter 13 in the EIA report for assessment of ecological damage, remediation plan and the natural and community resource augmentation plan.

Point (vi): The Project Proponent should submit the latest EC certified Compliance report.

Reply by PP: PP submitted the EC compliance report certified by Integrated Regional Office, Hyderabad vide Lr No ENV/IRO-HYD/CCR-05/A/2021/33 dated 03.07.2021. PP vide Lr No NCL/EC-2009/2021-22 submitted the action plan to the IRO, Hyderabad in respect of the IRO recommendations in the certified compliance report dated 03.07.2021.

4. The Ministry vide Lr No. J-11015/159/2016-IA.II(M) dated 28.06.2021 directed the Secretary, Department of Environment, Forests, Science and Technology, Govt., of Telangana to take action against the above unit by invoking powers under section 19 of the Environment (Protection) Act, 1986 for the period for which the unit had produced in excess of the EC capacity without obtaining the requisite prior environmental clearance. The details of the action taken against the unit may be intimated to enable this Ministry to take further action on grant of environmental clearance.

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

Date of application	Proposal No	Consideration	Details	Date of accord
05.03.2005	IA/AP/MIN/ 21458/ 1910	-	Enhanced production capacity of limestone from 200 TPA to 7700 TPA of Limestone (MLA 42.82 Ha)	05.10.2006
22.06.2009	IA/AP/IND/ 23052/ 1910	-	Expansion of Cement Plant (Cement 0.30 MTPA to 0.90 MTPA; Clinker 0.60 MTPA to 1.60 MTPA) and Limestone (0.90 MTPA to 2.55 MTPA) involving 3 mine leases namely i. Mining lease I at Mettapalli – 0.78 to 1.5 MTPA (MLA 114.5 acres) ii. Mining lease II at Sultanpur Thanda – 0.02	15.12.2009

			to 0.05 MTPA (MLA – 105.32 acres) iii. Mining lease III at Gundlapalli – 0.10 to 1.0 MTPA (MLA – 322.06 acres)	
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6. The details of the Terms of References (TOR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
10.05.2016	IA/TG/MIN/53620/2016	June 22- 23, 2016	Terms of Reference for expansion in production from 0.05 to 1.50 MTPA (MLA: 42.83 ha)	24.08.2016
20.01.2017	IA/TG/MIN/53620/2016	Jan 30-31, 2017	Amendment in ToR for reduction of production of limestone from 1.5 MTPA to 1.0 MTPA (MLA: 42.83 ha)	16.02.2017

7. Details of Mine lease:

S.no	Lease particulars	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area
1	Initial grant of mining lease vide G.O MS. No. 126 in favour of Sri.K. Ramachandra Raju	22.06.1996	Limestone	29.10.1996 to 28.10.2016	Govt., of Andhra Pradesh	Acres 105.32 Gts
2	Transfer of lease from Sri.K. Ramachandra Raju to M/s NCL Industries Ltd vide G.O MS. No. 265	31.07.1998	Limestone	till 28.10.2016	Govt., of Andhra Pradesh	Acres 105.32 Gts
3	Extension of lease period vide G.O.Ms. No.63	23.08.2017	Limestone	29.10.1996 to 28.10.2046	Govt., of Telangana	Acres 105.32 Gts
4	Proceedings vide No. 2876/	20.02.2018	Limestone	29.10.1996 to	Govt., of Telangana	Acres 105.32

	M/1998			28.10.2046		Gts
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8. 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.	29.10.1996	28.10.2016	
2	Date of entering into supplementary lease deed	29.10.1996	28.10.2046	Affidavit bearing 321711 dated 20.02.2018

9. Details of Mine Plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Approval of Modified Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines	Lr no. AP/NLG/MP/LST-31/HYD	28.02.2017	2016-2017 to 2020-2021	Limestone mine, 42.83 Ha
2	Review of Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines	Lr no. AP/NLG/MP/LST-31/HYD	08.04.2021	2021-2022 to 2025-2026	Limestone mine, 42.83 Ha

10. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance (Violation) was considered in the 40th EAC (Non-Coal Mining) meeting held during 26th – 27th October, 2021. During the meeting, the Committee noted that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017, W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. The procedure adopted to consider the proposal in the EAC meeting dated 15th-17th March, 2021 was as per the principal, approved by the Competent Authority with respect to consideration of violation cases. After that the SOP on 07.07.2021 was issued by the Ministry for identification and handling of violation cases under EIA, 2006 and the same has

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

1.4 Proposal for amendment in Environmental Clearance of M/s SAIL for allowing dispatch of 0.8 MTPA iron ore through road maximum up to Antagarh and subsequently by rail to Bhilai Steel Plant for Rowghat Iron Ore mine-Deposit F [ML area 2028.797ha and production capacity 14 million TPA] in Matla Reserve Forests, in Narainpur and Kanker District, Chhattisgarh - EC under para 7(ii) of EIA Notification, 2006 – [File No: J-11015/331/2006-IA.II(M), Proposal No: IA/CG/MIN/223248/2021, Consultant: MECON Limited] - EC under para 7(ii) of EIA Notification, 2006

EAC Meeting Details:

EAC meeting	40 th
Date of Meeting	26 th – 27 th October, 2021

The proposal of M/s SAIL is for amendment in Environmental Clearance for allowing dispatch of 0.8 MTPA iron ore through road maximum up to Antagarh and subsequently by rail to Bhilai Steel Plant for Rowghat Iron ore mine-Deposit F [ML area 2028.797ha and production capacity 14 million TPA] in Matla Reserve Forests, in Narainpur and Kanker District, Chhattisgarh. The mine lease area is located between Latitude: 19°45'20" to 19°51'20" N and Longitude: 81°08'22.5" to 81°12'27.7" E. The mine lease area falls under the Survey of India Toposheet No: E44D1 and falls in Seismic Zone-II.

2. M/s SAIL has made an online application vide IA/CG/MIN/223248/2021 dated 11.08.2021 and submitted updated Form-1 under para 7(ii) of the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 and appraised at the Central level.

3. The proposal was earlier considered in the 36th EAC meeting held during 31st August and 1st September, 2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee deferred the proposal for want of additional information. The Project Proponent vide Lr No: CGM (Mines-Rowghat)/2021/200 dated 04.10.2021 submitted the information sought by the EAC in the 36th EAC meeting held during 31st August and 1st September, 2021 as mentioned below: -

Point (i): The Project Proponent needs to justify the raise in despatch from 0.3 MTPA to 0.8 MTPA. Need for the increase strongly justified as it is related to change in production in Bhilai Steel Plant.

Reply by PP: PP submitted that the present shortfall is 1.4 MTPA which is expected to rise to 3.0 MTPA by 2023 - 24. Thus, Bhilai Steel Plant (BSP) is being forced to operate at reduced capacity which is affecting the plant's operating economics. Moreover, SAIL's captive mines in Jharkhand and Odisha are supplying iron ore to SAIL's steel plants at Rourkela, Bokaro, Durgapur and Bumpur which too have increased their capacities recently. The mines supplying iron ore to these plants do not have spare capacity to meet the shortfall at BSP and the rail infrastructure (Howrah-Mumbai Rail Network) also does not support transport of additional quantity on continuous sustained basis. Further, the total mineable reserves in operating mines of Dalli Rajahra is only 50 Million Tonne with inferior quality. The shortfall in iron ore supply will be made up by increasing the production from Rowghat mine. It is not possible to increase the production 0.3 MTPA to 14 MTPA within a short time frame. Increasing the production to 0.8 MTPA will be one such phase and shall help in reducing the shortfall of iron ore to some extent. At presently there is no industry in Narainpur District and the present mining activity will not only boost the economic activity by way of increased revenue earnings of Government in form of Royalty, DMF and Forest transit fee and also generate employment and will improve the overall human development index of the North Bastar District of Chhattisgarh.

Point (ii): The Project Proponent needs to submit the past production details duly authenticated by Department of Geology and Mining.

Reply by PP: PP submitted the Annexure-III certified by the Mining Officer, North Bastar, Kanker of Dept., of Mines and Geology, Govt., of Chhattisgarh for the period 1993-94 to 2021-22. PP also submitted that the mining activity commenced on 05.02.2021 and so far, only 186.395 Tonne (2020-21) has been mined out since the grant of EC dated 04.06.2009. Further, PP submitted that mining operation will be fully commenced by the end of October, 2021.

Point (iii): The Project Proponent needs to submit a detail note on the compliance status of earlier ECs and status report of health impacts due to road transportation. PP shall also submit the action taken adopted against the remarks of the Certified Compliance Report by IRO.

Reply by PP: PP submitted the EC compliance report certified by Integrated Regional Office, Chhattisgarh vide Lr No. 3-45/2009(ENV)/215 dated 02.08.2021. PP also submitted that Free silica has been analysed in Respirable Dust (PM10) in three samples at each location and results were well below the permissible limit as recommended by DGMS, Govt. of India (3 mg/m³ for eight hours' time weighted average provided the concentration of silica in the respirable dust remains less than 5%). Regular medical camps are being conducted by Bhilai Steel Plant through "Ramakrishna Mission" to provide free health services in the core zone and buffer zone area of Rowghat Project. 3705 patients were attended to at these camps held in 22 villages, during April-Sept, 2021. Data from the medical camps reveals that incidence of respiratory diseases is negligible (33 patients out of 3705 i.e. ~0.9%).

The most common diseases prevalent in the area are Common cold, Skin diseases, malnutrition, sickling and anaemia amongst children and Gynaecology related problems. PP reported that with the mine capacity of 0.8 MTPA, considering 350 days of operation per year and material despatch in 30 t capacity trucks, about 75 trucks will be despatched daily. The traffic on the road will increase by 150 trucks per day which is equivalent to 450 PCUs per day. The resultant traffic volume on SH-5 up to Dandakvan (and a few km beyond as there are no settlements or activities on this stretch which can contribute vehicular traffic) will be 1900 PCUs per day i.e. within the recommended design volume of 2000 PCUs per day as recommended by IRC:64 “Guidelines for Capacity of Roads in Rural Areas”. The max cumulative AAQ values among all receptors are expected to be ~100.80 µg/m³, ~58.91µg/m³, ~21.62 µg/m³ and 35.45 µg/m³ for PM10, PM2.5, SO₂ and NO_x respectively without management measures. With stringent management measures in place actual increase in ground level concentration of pollutants, especially PM10 & PM2.5, will be less than the predicted values. Prevailing levels of SO₂ and NO_x are already low and well below the maximum permissible limits of NAAQS. Due to increased transportation, there may be marginal increase in levels of SO₂ and NO_x. The resultant concentrations of SO₂ and NO_x will remain well below the limits of NAAQS. PP vide Lr No. CGM (Mines-Rowghat)/2021/196 dated 27.09.2021 submitted the action taken report against the remarks of the Certified Compliance Report by the IRO.

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

Date of application	Proposal No	Consideration	Details	Date of accord
28.07.2007	IA/CG/MIN/8566/2009	-	Production of 14.0 MTPA of iron ore mining over a lease area of 883.22ha	04.06.2009
23.06.2009	-	-	Partial modification in EC letter dated 04.06.2009 and additional specific conditions were imposed	15.03.2010
09.02.2017	IA/CG/MIN/8566/2009	February 20-21, 2017	Transportation of 0.3 million TPA of ore from Rowghat M.L to Keonti by road and further onwards to Dalli Raihara/Bhilai through rail till 2021	08.06.2017

5. The Project Proponent submitted that after resolving issue of security and forest tree cutting, mining operation (production and dispatch) started on 05.02.2021 and it is expected that by Oct-21 mining operations commence with full production capacity of 0.3 MTPA. Since the last EC amendment, the railway line has been extended from Keonti to Antagarh (~17 km patch) and construction of another ~11

km to 17 km long Antagarh–Bondanar-Tadoki section is at an advanced stage. It is expected that the Bondanar and Tadoki station will be commissioned by mid-2022 and mid-2023 respectively. Construction of the rail link up to Rowghat is expected to be completed by December, 2025. Track Laying is completed till Godbinapal (65 Km). PP also in discussion with Railways to develop a temporary loading siding at Godbinapal (65 Km) or any other suitable enroute site with a view to reduce the road transport distance. Under the prevailing situation, PP requested for amendment in environmental clearance for the following: -

- i. For increase in transportation capacity of iron ore up to 0.8 MTPA by road up to Antagarh and subsequently by rail to Bhilai for period up to Dec-2025.
- ii. Once the railway line from Antagarh up to Bondanar and then Tadoki is commissioned, allowing despatch of 0.8 MTPA of iron ore by road up to Bondanar/Tadoki or loading siding nearest to Rowghat and subsequently by rail to Bhilai.

6. The Project Proponent submitted that lease deed was executed vide Ref Kramank/Jila Kosha/Stamp/1091/2009 dated 21.10.2009 for the period of 20 years i.e., from 21.10.2009 to 20.10.2029. PP also submitted that Mining Plan including Progressive Mine Closure Plan in respect of Rowghat Iron Ore Deposit over an area of 2028.797 ha approved by IBM vide letter No. No. 314(3)/2006-MCCM(CZ)/MP-27 dated 22.03.2007 and latest review of mining plan along with the Progressive mine closure plan for the period 2019-20 to 2023-24 approved by IBM vide letter no नारायणपुर/लौह/खयो-1179/2018-रायपुर/1244 dated 06.12.2018 over an area of 2028.797 ha.

7. The Project Proponent submitted that there is no change in the method of mining. Mining is being carried out by conventional open cast Top Slicing mining involving drilling, blasting & handling of excavated mineral and waste by shovel dumper combination. The mine lease is divided into seven blocks. In the initial phase three blocks will be mined. The other blocks will be mined in the 2nd phase. The excavated mineral is processed in crushing & screening plant before being dispatched by trucks to the railway siding(s). ~6.75 km long concrete road has already been constructed from the mine to SH-5 which leads to the railway siding(s). Waste is dumped externally in designated areas within the lease. Once the rail link up to Rowghat is commissioned, dispatches through rail shall be started from Rowghat itself with production levels of 14 MTPA and road despatch of ore to external sidings will be phased out.

8. The Project Proponent submitted the Addendum EIA/EMP report based on the baseline environmental data generated for one month during February, 2021 for micrometeorological conditions, ambient air quality, noise levels, water quality, soil quality and Traffic density. PP also submitted that Rowghat mine commenced operation only on 5th Feb., 2021.

Micro meteorology: A micro-meteorological monitoring station was set up at Narayanpur. Wind speed & direction, air temperature and relative humidity were recorded at hourly intervals continuously throughout February, 2021. PP submitted that wind was mostly blowing from South (S), North (N), and North East (NE). The predominant wind speeds were mostly in the range of 0.4 m/s– 2.0 m/s.

Ambient Air Quality (AAQ): PP reported that the Ambient Air Quality (AAQ) was monitored at 9 locations. The PM10 values ranged from 62 to 90 µg/m³ , PM2.5 values from 34 to 56 µg/m³ , NO₂ concentration at the monitoring locations varies from 20.7 to 31.1µg/m³ and SO₂ concentration ranged from 13.7 to 21.2 µg/m³ which are well within the limits of NAAQS. The estimated values of maximum Ground level concentrations are concentrated in and around the fines excavation & loading area and the transportation route. There may be marginal increases along the transportation route only. No impacts are anticipated in residential areas which are at a distance. The maximum additional predicted GLCs are limited to 13.96 µg/m³ , 3.12 µg/m³ , 0.57 µg/m³ and 4.26 µg/m³ for PM10, PM2.5, SO₂ and NO_x respectively at nearby receptors. Free silica has been analysed in Respirable Dust (PM10) in three samples at each location and results were well below the detection limit in A1, A2, A3 and A9 and in rest of the locations the concentration were insignificant with range of 0.001 to 0.006 µg/m³ .

Ambient Noise level: PP submitted that ambient noise levels were monitored at 9 locations. Among the nine locations, one location falls under commercial zone, N9 (Antagarh) and the rest of the locations are residential areas. The day noise Leq levels at all the ambient locations are in the range of 40.2 to 63.8 dB (A) where as in the night the noise levels ranged from 37.9 to 47.3 dB (A). The high values were observed in N9 (Antagarh) due to commercial activities. Major sources of noise during the operation phase are operation of excavators and vehicular traffic. The operation of material handling equipment will generate noise levels ranging between 75 to 90 dB (A). However, this noise level will be near the source only and is not expected to raise noise levels outside the lease boundary. From the mine, mineral will be dispatched only during day-light hours, thus avoiding increase in night-time noise levels. It has been estimated that there will be only a nominal rise in day time noise levels {~0.2 dB(A)} due the project. Since ore transport will be only during day time, night time noise levels will be unaffected.

Water quality: PP submitted that a total of ten (10) water-sampling locations were selected for the present study covering five (5) surface water and five (5) ground water. There is no trend in most of the parameters as the results are below the detection limits. The pH of the surface water samples are neutral with dissolved oxygen vary from 6.1 to 6.8 mg/l. Total Coliform organisms, in SW1 (Devijharia Nallah) and SW5 (Mendaki River D/S of mine lease)are 580 and 540 MPN/100ml respectively and when compared to the CPCB norm for surface water they fall under Class C (Drinking water source after conventional treatment and after disinfection) and rest of the samples SW2, SW3 and SW4 fall in Class B (Drinking water source

after conventional treatment and after disinfection). PP reported that the pH of the ground water samples is neutral in the range of 7.35 to 7.75. Ground water samples collected are clear and the turbidity of the all samples are less the detection limit except of GW3 (Hand Pump at Vill. Bheisgaon) with 0.63 NTU. Total dissolved solids (TDS), total hardness and total alkalinity is found to high in GW4 among the other samples with 347 mg/l and 160 mg/l respectively. The concentrations of metals in ground water samples are found well within the norms but the concentrations of Al in GW3 is 0.238 mg/l and Mn concentration in GW4 is 0.335 mg/l has marginally exceeded the norm of 0.2 and 0.3 mg/l respectively.

Soil quality: PP submitted that in the study area the soil sample S2 (Supgaon village), S4 (Bharanda village) and S5 (Khodgaon village) shows strongly acidic with pH range of 5.06 to 5.13. The soil sample S3 (Aturbeda) is moderately acidic with pH of 5.94 and S1 (near Anjarel Village) is slight acidic in nature with pH of 6.15. The conductivity in the soil samples is in the range of 21.5 to 60.4 $\mu\text{S}/\text{cm}$ which indicates that all the soil samples are non saline which are good for plants. Organic carbon was found to be low in S5 (Khodgaon), medium in S2 (Supgaon Village) and rest of the three samples S1, S3 and S4 were in high concentration range. Available Phosphorus levels are found to be in low concentration range and available Nitrogen levels are found to be medium concentration range, whereas availability of Potassium is found to be in medium range in all samples except S1 with high concentration range. As the major nutrients are not showing any major deviation among the tested soil samples, it is indicating that there is no impact on nutrient contents of soil. The collected soil samples are not showing any signs of increase in alkalinity (Sodium/Potassium). The micronutrients are in higher concentration i.e. above critical limits in the entire tested soil sample except in S1 for Mn which is within the critical limit. Among the micro nutrients, the following order can be seen for the tested soil samples, Fe > Mn > Cu > Zn.

Traffic Density: Traffic Density was studied on the proposed haul routes at 3 locations at hourly intervals continuously for 7 days from 16th – 22nd Feb., 2021 at TD-1: SH-5 near Dandakvan Security Camp TD-2: SH-5 at Tadoki and TD-3: SH-5 just before approach road to Antagarh Railway Siding. 0.8 MTPA ore will be dispatched from SAIL's Rowghat Mine by road initially up to Antagarh Rly Siding (haulage distance ~58 km). The haulage includes ~10 km of concrete road constructed from the mine to SH-5. Present maximum traffic volume on SH-5 near Dandakvan Security Camp is ~1450 Passenger Car Units (PCUs) per day i.e., within the Suggested Design Service Volume. Just beyond Tadoki, the maximum traffic is ~3090 PCUs /day whereas near Antagarh just before the diversion leading to Antagarh siding the maximum traffic is ~4340 PCUs /day. Thus, the present traffic volume on this stretch of SH-5 is within the threshold limits for intermediate lane roads. The max cumulative AAQ values among all receptors are expected to be ~102 $\mu\text{g}/\text{m}^3$, ~59 $\mu\text{g}/\text{m}^3$, ~21.7 $\mu\text{g}/\text{m}^3$ and 35.1 $\mu\text{g}/\text{m}^3$ for PM₁₀, PM_{2.5}, SO₂ and NO_x respectively without management measures. With stringent management

measures in place actual increase in ground level concentration of pollutants, especially PM10 & PM2.5, will be less than the predicted values.

9. The Project Proponent submitted that the entire mine lease area of 2028.797 ha is Forest Land. PP obtained Stage II Forest Clearance for diversion of 883.22 ha forest land vide letter no. F.No.8-44/2005-FC (Pt), dated 3rd Aug., 2009. PP also submitted that mining and allied activities will be confined to the diverted area.

10. The Project Proponent submitted the Consent to Operate issued by the Chhattisgarh Environment Conservation Board vide 4844/TS/CECB/2018 under section 21 of the Air (Prevention and Control of Pollution) Act 1981 and 4842/TS/CECB/2018 dated 06.09.2018 under section 25/26 of the Water (Prevention and Control of Pollution) Act, 1974 for mining of Iron ore of 14.0 million TPA for a period of one year from the first day of the month of the commissioning of mine.

11. The Project Proponent submitted that WP (Civil) no. 795/2021 to quash the EC amendment dated 08.06.2017 is pending in Hon^{ble} High Court of Chhattisgarh.

12. Observation and Recommendation of the Committee:

The proposal for amendment in Environmental Clearance under para 7(ii) of EIA Notification, 2006 was considered in the 40th EAC (Non-Coal Mining) meeting held during 26th – 27th October, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that initially PP obtained the EC on 04.06.2009 and it was proposed that the transportation of 14.0 MTPA of iron ore will be through railways from Rowghat Rly. Siding on Bhilai to Dalli Rajhara – Rowghat rail link and further to Bhilai Steel Plant; Then, PP obtained amendment in EC on 15.03.2010 for Partial modification in EC letter dated 04.06.2009 and additional specific conditions were imposed. Further, amendment in EC was obtained on 08.06.2017 w.r.t. transportation of 0.3 million TPA of ore from Rowghat M.L to Keonti by road and further onwards to Dalli Raihara/Bhilai through rail till 2021. The reason stated at the time of amendment in EC for change in transportation plan was due to naxal movement as well as for diversion of forest. During the meeting, PP also informed that so far only 186.395 Tonne (2020-21) has been mined out since the grant of EC dated 04.06.2009. The amendment in EC granted on 08.06.2017 was challenged vide WP (Civil) no. 795/2021 in the Hon^{ble} High Court of Chhattisgarh. An application was filed by petitioner for interim relief which was dismissed by the Hon^{ble} High Court vide order dated 17.02.2021. The matter was last listed on 05.07.2021 and is still pending before the Hon^{ble} High Court. PP now submitted proposal for (i) increase in transportation capacity of iron ore up to 0.8 MTPA by road up to Antagarh and subsequently by rail to Bhilai for period up to Dec-2025 and (ii) Once the railway line from Antagarh up to Bondanar and then Tadoki is commissioned, allowing despatch of 0.8 MTPA of iron ore by road up to Bondanar/Tadoki or loading siding nearest to Rowghat and subsequently by rail to Bhilai. The Committee noted that the PP informed that amendment in EC dated 08.06.2017 is still valid up to end of 2021 and the quantity to be dispatch by

road haulage was 0.3 MTPA. PP could not achieve the already sanctioned capacity of 0.3 MTPA and now submitted the proposal for increasing the same from 0.3 MTPA to 0.8 MTPA. The Proposal of enhanced capacity can be appraised only after understanding the environmental implications of the earlier amendment in EC granted on 08.06.2017. The Committee also opined that if the timeline was the constraint, PP shall submit the application for extension of validity of amendment in EC dated 08.06.2017 with proper justification and a detailed note on the environmental footprints due to the road haulage instead of railway. The Committee also received representation from local organization and hence PP should submit their response with substantiating the documentation to the Ministry for further consideration. The Committee also advised the PP to monitor the environmental impacts due to amendment in EC granted on 08.06.2017 and take appropriate measures to minimize the potential impacts on environment. Based on the above discussions held, the Committee **deferred** the proposal.

1.5 Proposal for amendment in Environmental Clearance for amalgamation of Environmental Clearances of M/s Parasakti Cement Industries Ltd for Parasakti Limestone Mine – I (180.09 Ha.) with Parasakti Limestone Mine – II of (132.27 Ha) over an area of 312.36ha for combined production of 2.00 MTPA limestone with Total excavation of material handling at 2.222 MTPA (Limestone – 2.00 MTPA + Top soil: 0.033 MTPA + OB: 0.189 MTPA) located at located at Jettipalem Village, Rentachintala Mandal, Guntur District, Andhra Pradesh – [File No: J-11015/570/2007-IA.II(M), Proposal No: IA/AP/MIN/233751/2021, Consultant: B.S. Envi-Tech Pvt. Ltd] - Amendment in EC

EAC Meeting Details:

EAC meeting	40 th
Date of Meeting	26 th – 27 th October, 2021

The proposal of M/s Parasakti Cement Industries Limited is grant for Amendment in EC for amalgamation of Environmental Clearances of Parasakti Limestone Mine – I (180.09 Ha.) with Parasakti Limestone Mine – II of (132.27 Ha) over an area of 312.36ha for combined production of 2.00 MTPA limestone with Total excavation of material handling at 2.222 MTPA (Limestone – 2.00 MTPA + Top soil: 0.033 MTPA + OB: 0.189 MTPA) located at located at Jettipalem Village, Rentachintala Mandal, Guntur District, Andhra Pradesh. The mine lease area is located between Latitude 16°35'36.5"N -16°37'40.7"N and Longitude 79°30'19.8"E - 79°30'42.6"E. The mine lease area falls under the Survey of India Toposheet No: 56/P/10 & 56/P/6 and falls in Seismic Zone – II.

2. M/s Parasakti Cement Industries Limited has made an online application vide IA/AP/MIN/233751/2021 dated 12.10.2021 and submitted Form 4 for amendment in Environmental Clearance under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a)

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

3. The Project Proponent earlier submitted the proposal for Terms of Reference vide proposal no: IA/AP/MIN/229224/2021 dated 15.09.2021 for expansion of Parasakti Limestone Mine-1 (Area 180.09ha) with increase of limestone production from 1.80 MTPA to 2.25 MTPA with total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189ha) and increase in Mine lease area from 180.09 Ha. to 317.782 Ha (Amalgamated Mining Lease of ML 1: 180.09ha + ML 2: 137.693ha). The proposal was earlier considered in the 38th EAC (Non-Coal) meeting held during 29th – 30th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the PP initially obtained EC for ML-I 180.89ha for 0.465 MTPA under EIA Notification, 1994 in favour of M/s Chola Cements Ltd, which was transferred from M/s Chola Cements Ltd to M/s Parasakti Cement Industries Limited on 03.02.2004. Then, PP obtained EC for Expansion in Limestone production from 0.45 MTPA to 1.80 MTPA for ML I-180.09ha dated 13.09.2007 under EIA Notification, 2006. EC for Limestone production of 0.20 MTPA for Limestone mine for ML II-132.27ha dated 11.09.2007 under EIA Notification, 2006. PP submitted that the both the mine lease ML- I and ML-II over an area of 317.90ha was amalgamated on 21.07.2009. The Committee felt that during the amalgamation of mining leases, PP was required to obtain Amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes and PP also obtained the EC dated 13.09.2007 for expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I) and after obtaining the EC dated 13.09.2007, the production is within the EC limit. Thus, the Committee was of the view that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. The Committee felt that the instant proposal cannot be considered in present form and PP should obtain necessary amendment in EC for amalgamation of mining leases. Therefore, the Committee was of the view that Ministry should take action against the Project Proponent for violation and returned the proposal in present form.

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

Date of application	Proposal No	Consideration	Details	Date of accord
14.03.2002	IA/AP/MIN/23070/1910	-	EC in favor of M/s Chola Cements Ltd to produce 0.465 million TPA of	20.03.2003

			Limestone in the mine lease area of 180.89ha under EIA Notification, 1994	
03.01.2004	J-11015/4/2002-IA.II (M)	-	Transfer of EC from M/s Chola Cements Ltd to M/s Prasakti Cement Industries Limited	03.02.2004
30.05.2007	IA/AP/MIN/21287/1910	-	Expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I - 180.09 ha)	13.09.2007
30.05.2007	IA/AP/MIN/21288/1910		Limestone production of 0.20 MTPA for Limestone mine (ML II - 132.27 ha)	11.09.2007

5. Lease Detail:

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

	Cement Industries Limited			
8	Proceedings No	No. 5050/M/2001 dated 15.12.2001 for a period of 30 years (13.12.2001 to 12.12.2031)	No. 3478/M/2005 dated 10.04.2008 for a period of 30 years (11.10.2007 to 10.10.2037)	No. 4551/M/2009 dated 27.07.2010 (23.07.2010 to 12.12.2031)
9	Extension of Mining Lease	-	-	G.O.MS No. 172 dated 04.12.2017 for a period of 50 years up to 12.12.2051 over an extent of 317.90ha

6. Details of executed Mine leases.

S.no	Lease detail	Date of grant of Lease execution	Period of Grant		Details
			From	To	
1	ML-I	Date of entering into original lease deed	13.12.2001	12.12.2031	
2	ML-II	Date of entering into original lease deed	11.10.2007	10.10.2037	F 712399
3	Amalgamation of ML-I & ML-II	Date of entering into original lease deed	23.07.2010	12.12.2031	AM 291672

7. Details of Mine Plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Review of Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines	Letter No. AP/GNR/MPLst-53/Hyd	08.01.2020	2020-21 to 2024-25	317.782 ha, Limestone

8. The Project Proponent reported that total mine lease area is 317.782ha, out of which 277.224ha is Private land and 40.558ha is Government land and there is no forest land involved in the mine lease area. PP also reported that Buffer Zone of Rajiv Gandhi Wild Life Sanctuary (Boundary of Tumurukota RF) is located at a distance of 4.2 Km, SW from the mine lease area. PP obtained Wildlife clearance from NBWL vide letter no. 36338/2007-WL1 dated 09.02.2010 and letter no. 36338/2007/WL-1 dated 11.02.2011.

9. The Project Proponent submitted the Wild life Conservation plan for conservation measures for protection of Flora and Fauna in the core and buffer zones of Rajiv Gandhi Wild Life sanctuary was approved by PCCF vide letter no 38338/2007-WL1 dated 28.05.2008. PP deposited Rs 39 Lakhs with Divisional Forest Office, Wild Life Management, Nagarjuna Sagar for implementing the Plan which includes Rs 24 Lakhs for implementing the plan for afforestation scheme, fodder development and Soil Moisture Conservation Works and Rs 15 Lakhs for preferential treatment, aided natural regeneration, pasture plots, SMC works, Fire Protection Works and Saucer pits.

10. The Project Proponent submitted the EC compliance report certified by Integrated Regional Office, MoEFCC, Vijayawada, Andhra Pradesh vide Letter No: IRO/VIJ/EPE/03-01/2021 dated 29.04.2021 for both ML I-180.09ha and ML II-132.27ha. PP also submitted the Consent For Operation (CFO) issued by the Andhra Pradesh State Pollution Control Board vide Order No: APPCB/VJA/GNT/25379/CFO/HO/2020 dated 09/07/2020 that, the Board was issued Consent for Mining division vide Order No. APPCB/VJA/GNT/25379/CFO/HO/2015-3579, Dt.22.08.2015 and CFO Amendment Order APPCB/VJA/GTR/25379/CFO/HO/2018, Dt.08.05.2018, both are valid up to 31.10.2020. The same orders of Mining division are hereby renewed for a period of 5 (FIVE) years i.e., up to 31.10.2025 for production of 1.8 MTPA [ML I, 180.09ha – 1.6 MTPA and ML II, 132.27ha – 0.2 MTPA].

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

& judgment of Hon'ble Supreme Court dated 2nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.

12. Observation and Recommendation of the Committee:

The proposal for amendment in Environmental Clearance was considered in the 40th EAC (Non-Coal Mining) meeting held during 26th – 27th October, 2021. During the meeting, the Committee noted that PP amalgamated both the mine lease ML- I and ML-II over an area of 317.90ha on 21.07.2009 and during the amalgamation of mining leases, PP was required to obtain Amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes. Hence, the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006. The Ministry issued SOP dated 07.07.2021 for identification and handling of violation cases under EIA, 2006 and the same has been stayed by the Madurai bench of Hon'ble High Court of Madras vide order dated 15.07.2021. Therefore, the Committee **returned the proposal in present form** and was of the view that PP should approach Ministry after the final adjudication of the Hon'ble High Court.

DAY 2: 27.10.2021 (Wednesday)

2.1 The proposal for Environmental Clearance for Nandgaon-Ekodi Limestone Mine with total excavation capacity of 2.9 MTPA (2.0 Million TPA Limestone, 0.2 Million TPA Screen Rejects, 0.2 Million TPA Sub Grade, 0.4 Million TPA Waste and 0.1 Million TPA Top Soil) & 1200 TPH capacity of crusher with Wobbler, Screening Plant in the mine lease area of 369.52 ha located at Villages: Nandgaon, Ekodi, Bhoeygaon and Kawathala, Taluka: Korpana, District: Chandrapur, Maharashtra by M/s. Ambuja Cements Limited - [Proposal no: IA/MH/MIN/73277/2018; File No. J-11015/62/2018-IA.II(M); Consultant: J.M. EnviroNet Pvt. Ltd.] – EC

1. EAC Meeting Details:

EAC meeting	40th EAC Meeting
Date of Meeting	26 th -27 th October, 2021

2. Project details:

Name of the Proposal	Nandgaon-Ekodi Limestone Mine (ML Area: 369.52 ha) with total excavation capacity of 2.9 Million TPA (2.0 Million TPA Limestone, 0.2 Million TPA Screen Rejects, 0.2 Million TPA Sub Grade, 0.4 Million TPA Waste and 0.1 Million TPA Top Soil) & 1200 TPH Capacity of Crusher with wobbler, screening plant.	
Location	Villages	Nandgaon, Ekodi, Bhoyegaon and Kawathala
	Tehsil/Taluka	Korpana
	District	Chandrapur
	State / UT	Maharashtra
	Latitudes	19 ^o 50' 23.42"N to 19 ^o 52' 12.81"N
	Longitudes	79 ^o 10' 40.36"E to 79 ^o 11' 59.87"E
	Soil Topo sheet No.	E44B1 (56 M/1), E44B5 (56 M/5)
Company's Name	M/s. Ambuja Cements Ltd.	
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Certificate no. NABET/EIA/2023/RA 0186	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral and Project Activity 2(b) (3) for Mineral Beneficiation (Crusher with Wobbler)
Provisions	EIA Notification dated 14th September, 2006.
Mining lease Area (MLA)	369.52 Ha (Govt. Land- 4.03 ha & Private Land- 365.49 Ha)

4. ToR/EC Details:

ToR Proposal No.	IA/MH/MIN/73277/2018
EC Proposal No.	IA/MH/MIN/73277/2018
Online application date for Form-I	31.05.2018
EIA/EMP uploaded on	12.10.2021
EAC meeting date for ToR	33rd EAC meeting on 22.06.2018
ToR Letter No.	J-11015/62/2018-IA.II (M)
ToR grant Date	04.07.2018
Production capacity	2.0 Million TPA
Soil	0.1 million TPA
Waste	0.4 million TPA
Others	0.4 million TPA (Sub Grade: 0.2 Million TPA + Screen Rejects: 0.2 Million TPA)
Total Excavation	2.9 Million TPA
Crusher	1 x 1200 TPH

5. Lease Details:

Letter of Intent	Letter No.	MMN-0717/C.R.64/IND-9
	Date	08.11.2017
Validity of mine lease	50 years from registration of mining lease	
Amendment of LOI	<ul style="list-style-type: none"> Letter of Intent (LOI) for grant of mine lease over an area of 369.52 ha (which includes area 289.42 ha for which earlier EC was granted) has been issued in favor of M/s. Ambuja Cements Limited by Government of Maharashtra vide letter no MMN-0717/C.R.64/IND-9 dated 08.11.2017 with minor amendment vide dated 16.11.2017. The last para of LOI, has been corrected as follows “the accepted copy of Letter of Intent along with Board resolution should be submitted latest by 19.12.2017” is substituted for the “the accepted copy of Letter of Intent along with Board resolution should be submitted latest by 12.09.2017. 	
Extension of LOI	<ul style="list-style-type: none"> Application was submitted to the Dy Secretary (Industries) Industries, Energy and Labour Department for extension validity of LOI vide letter No ACL: MR: DGM: LOI: 2019: 1 dated 02.05.2019. Validity extension of LOI was granted from Joint Secretary, Government of Maharashtra vide letter no MMN-0717/C. No. 64/I-9 dated 26.08.2021 and it is extended up to 31.12.2022. 	
Earlier mine lease details	<ul style="list-style-type: none"> It is also notable that earlier Environment Clearance was granted for Nandgaon-Ekodi Limestone Mine over an area of 289.42 ha in favor of M/s. Murli Agro Products Ltd by MoEFCC, New Delhi vide their letter No J-11015/214/2006-IA. II (M) dated 11th April, 2007. However, the project proponent (M/s. Murli Agro Products Ltd.) changed the plant location and could not execute the mining lease. Later on, above mentioned mining lease had gone for e-auction and M/s. Ambuja Cements Ltd. participated in e-auction bidding of Nandgaon Ekodi Block and was declared the “Preferred Bidder” vide letter no MMN-0717/C.R.64/IND-9 dated 05.04.2017. 	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	CND/LST/MPLN/1176/NGP/2018
	Date	24.09.2018
	Validity	Five years from the registration of mining lease
Mining Parameters	Quantitative Description	
Bench Height	10 m	
Bench Width	15 m	

Method of Mining	Open Cast Mechanized Mining Method
Individual bench slope	80 ° to 90 °
Overall pit slope	45 °
Drilling/Blasting	<p>Considering the basic rock characteristics such as hardness, abrasiveness, etc., drilling will be carried out by deploying 115 mm diameter drill equipped with in-built arrangement of water sprinkling for dust suppression and separate dust extraction system. Following drilling parameters will be used to meet the production requirements.</p> <ul style="list-style-type: none"> ➤ Bench Height : 10 meters ➤ Drill Hole dia : 115 mm ➤ Burden : 3 meters ➤ Spacing : 4.5 meters ➤ Sub grade drilling : 10% <p>Blasting will be done using the non-electric shock tube initiating system like Raydet and Noiseless Trunkline Delays. In this system, on the surface of the hole, the delay between different holes is provided by non-electric connectors ensuring correct firing as per the blast design. The oversized boulder generated during primary blasting will be broken up by hydraulic rock breaker. No secondary blasting is envisaged in this mine.</p> <p>Blasting Parameters</p> <ul style="list-style-type: none"> ➤ Bench Height : 10 m ➤ Burden : 3 m to 3.25 m ➤ Spacing : 4.0 m to 4.5 m ➤ Stemming : 1/3 of the hole depth
RoM output size	300-900 mm
Life of mine	22 years
Transportation details	Initially some ROM material can be brought into plant prior to commissioning of the crusher installation during developmental stage and later on it shall be need based. Later on the excavated limestone will be transported to crusher and after crushing/screening, crushed material will be transported by tippers/tip trailers having capacity of 30 tonnes to MCW Plant located 23 kms road distance at village Upparwahi, Taluka Korpana, District Chandrapur (Maharashtra). 47 nos of tippers will be used for transporting limestone on two shift working basis. Traffic survey has been done by CSIR, New Delhi.
Dumpers capacity	30 tonnes (Tippers capacity)

7. Land Area Breakup:

Private land	365.49 Ha
Government land	4.03 ha
Total Mining lease area (MLA)	369.52 ha
Private land for crusher,	No infrastructure is proposed outside the ML area

workshop & other infrastructure outside the MLA	
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8. Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Distance & Directions
Nearest village	Nandgaon	Adjacent in SE direction
Nearest Town / City	Chandrapur	~15 km in NE direction
Nearest State/National Highway	SH-6	~8.0 km in North direction
Nearest Railway Station	Chandrapur	~15 km in NE direction
Nearest water bodies	Seasonal nallah	Passing through the lease area
	Wardha River	~3.0 km in North direction
	Bop Nala	~4.0 km in West direction
	Penganga River	~4.5 km in WNW direction
	Laoni Nala	~5.0 km in East direction
	Lokhandi Nala	~7.0 km in SSW direction
	Sarai Nala	~8.0 km in NE direction

9. Water requirement:

Total water requirement	200 KLD	Fresh water	200 KLD
		Treated water	-
Source	Initially from ground water and later by mine sump		
Permission	NOC has been obtained from CGWA vide NOC no CGWA/NOC/MIN/ORIG/2021/12090 dated 17.06.2021		

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

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	No forest land falls within the lease area. A Letter has been received from DCF, Chandrapur reg No forest land in Mining lease area vide their letter no Deptt/Survey/Land/572 Chandrapur dated 21.07.2020
National Park	No	There is no National Park, Wildlife Sanctuary, Biosphere Reserves, Tiger Reserves, and Wildlife Corridors etc. within 10 km radius of the mining lease area. Letter has been received Principal Chief Conservator of Forest vide letter no Kaksh - 23(2)/WL/ Survey/ C. No. 61(2020)/ 1696/2020-21 dated 06/11/2020.
Wildlife Sanctuary & Forest	No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	Authenticated list of Flora and Fauna has been received from DCF, Chandrapur vide their letter no vide letter no Deptt/Survey/Land/572 chandrapur dated 21.07.2020.

11. Green belt/plantation details:

Proposed area for green belt/plantation	85.07 ha
Budget for green plant & plantation till the end of life of mine.	Rs. 2.74 Crore

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	7.47 ha on 7.5 m lease periphery and ultimate pit limit
50 m safety zone of nallah, roads, electric lines	Plantation will be done in the unworked area (Nalla, HT zone) 34.23 Hectare, which is including 8.28 ha area as safety zone of Nandgaon village.
500 m safety zones of nearest habitation villages	
Additional information	Greenbelt will be done on 7.47 ha along 7.5 m lease periphery. Plantation will be done on 77.6 ha (22.88 ha area on waste dump, 20.49 ha on upper bench and 34.23 ha along the haul roads and on un-worked area).

12. Baseline details:

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)		
Period of baseline data collection	March to May, 2018	
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer Season	
Meteorology at site	Temperature	46.0 °C (Max.) 16.3 °C (Min.)
	Relative Humidity	52% (Max.) 22% (Min.)
	Pre-dominant wind direction	From North West

13. Public Hearing Details:

Advertisement for PH with date	22.12.2020 ("Loksatta, English newspaper & The Times of India")
Date of PH	29.01.2021
Venue	Project Site, M/s. Ambuja Cements Ltd., Nandgaon-Ekodi Limestone Mine, Vill. Nandgaon,

	Tal. Korpana, Dist. Chandrapur.
Chaired by	1. Shri. Manohar Gawhad, Additional District Magistrate, Chandrapur 2. Shri Ashok M Kare (Member), Regional Officer, MPCB, Chandrapur
Main issues raised during PH	Issues raised during public hearing were about Land compensation, Protection of agriculture land, Environment Management plan w.r.to noise pollution, air pollution and water pollution, Health Facility, Educational facility, employment and greenbelt/plantation etc.
Budget proposed for addressing issues raised during PH	Rs. 3.75 Crore/-

14. Court case details:

Court Case	No court case pending against the project
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15. Rehabilitation & Resettlement:

R & R details	As per khasra details there are 172 PAFs involved in the lease area out of which, 7 PAFs are homestead oustees of Nandgaon Village which will not be displaced due to their location in non mineralized zone. Total budget for R&R is Rs. 201 crores.
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16. Affidavit/Undertaking details:

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

S. No.	Activities	Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs)
I	EMP for Pollution Control & Monitoring		
A.	Air Quality Monitoring and Management		
	Mitigative Measures		
1	Permanent water sprinkling arrangements for main haulage road	20.00	2.00
2	One water tanker for water sprinkling in other roads	25.00	1.50

	and mining areas		
3	Motor Grader & Soil Compactor for haul road maintenance	150.00	5.00
4	Bag filter installation at Crusher Hopper	20.00	4.00
5	Water Sprinkler system at crusher hopper and transfer point	4.00	0.50
6	Bench slope plantation in an area of 20.49 ha with total 40980 saplings from 11 th year onwards upto the life of mine (Considering Rs. 90.156 Lakh)	90.16	7.51
7	Plantation on Un-worked Area covering an area 34.23 ha with total 68460 saplings from 6 th year onwards upto the life of mine (Considering Rs. 150.61 Lakh)	150.61	9.41
8	Green belt around 7.5 m periphery covering an area of 7.47 ha (No. of saplings: 14940)	32.87	-
Monitoring			
1	4 Ambient Air Quality Monitoring Stations at Mine Site (one online and 3 manual) at villages: Nandgaon, Ekodi, Bhoyegaon and Kawathala and display board at Mines Main Gate	65.00	3.50
2	Fugitive dust emission monitoring (5 locations * monthly)	-	1.00
3	Personal Dust Monitoring (5 locations * Quarterly)	-	0.50
Sub Total A.		557.63	34.93
B. Water Quality Monitoring and Management			
Mitigative Measures			
1	Garland Drain around soil dump, Reject, waste & Sub grade dump (L*W*D = 2440 m x 2 m x 1 m)	5.00	0.20
2	Retaining Wall around soil dump (L*W*H = 650 m x 1 m x 1.5 m)	6.00	0.20
3	Channelized Catch Drains	8.00	0.50
4	3 nos. of Settling Tank / Sedimentation Pond (Length*Width*Depth =4 m x 4 m x 2 m)	10.00	0.50
5	Construction of Protective Bunds along the water reservoir	3.00	0.10
6	Construction of 3 nos. of Check Dams in and around 5 km area of mine boundary and its annual maintenance	25.00	1.50
Monitoring			
1	Installation of 1 Piezometers along the lease periphery in the Premises	1.50	0.50
2	Installation of Modular STP/ETP	6.00	0.20
3	River/Stream flow measurement and Surface Water & Ground water quality analysis (4 locations * 2 times in a year)	-	0.40
4	Raw water analysis (PZ wells) (4 locations * 2 times in a year)	-	0.20
5	Workshop Waste Water Quality Analysis (monthly)	-	0.15

	as well as maintenance of oil-water separators		
Sub Total B.		64.50	4.45
C.	Noise and Vibration Monitoring and Management Mitigative Measures		
1	Procurement of the Blast Vibration Measuring Instrument & Noise level meter	5.00	-
Monitoring			
1	Peak Particle Velocity Monitoring for nearest habitation i.e. Nandgaon, Ekodi, Bhoyegaon and Kawathala	-	1.50
2	Ambient Noise Monitoring (4 locations * monthly frequency)	-	1.00
4	Personal Noise Monitoring (5 Locations * quarterly)	-	1.00
Sub Total C.		5.00	3.50
D	Miscellaneous		
1	Digital mapping of entire mine area once in three years (Rs. 3 Lacs once in 3 years)	-	1.00
2	Others, if any	-	5.00
Sub Total D.		0.00	6.00
TOTAL (A +B+C+D)		627.13	48.88
II	Estimated budget for addressing the Public Hearing issues	375.00	63.0
Grand Total (I + II)		1003.00	111.88

18. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	Rs. 6.28 Crore
Budget for addressing the Public Hearing issues	Rs. 3.75 Crore
Total Cost for EMP	Rs. 10.03 Crore
Recurring Cost for EMP	Rs. 1.12 Crore / annum
Project Cost	Rs. 291 Crore
Employment	70 persons

19. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 40th EAC meeting held during 26th – 27th October, 2021. After detailed deliberations, the Committee noted that it is a Greenfield project. The Committee observed that the baseline data was collected more than three years ago i.e. during March to May, 2018. It was also noted that cotton fields are present near the mine lease area which will be prone to dust after the mining activities will start. As a result of which, it can affect the yield of cotton plants. Therefore, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to revalidate the baseline data by collecting one-month baseline data in the winter season and use the meteorological conditions of winter for calculating impacts:
 - a) At the mine
 - b) Along the road (23 Km stretch)
 - c) Near the plant including the operating mines using suitable model as applicable.
- 2) The project proponent needs to examine and submit the Resettlement and Rehabilitation (R & R) plan using the current population and also the possibility of land-for-land or compensation which will be sustainable and beneficial to people's livelihood and to the society.
- 3) The project proponent needs to submit the cost benefit analysis to be done for compensation for agricultural loss due to land acquisition and crop loss in surrounding area during operation and dust deposition.
- 4) The project proponent needs to submit the revised cost of EMP for addressing concerns raised in public hearing (PH) as per the prescribed norms considering it as a Greenfield project. The project proponent also needs to submit a table indicating the capital cost for 3 years and recurring cost up to conceptual stage with PH specific items.
- 5) Since the area has many cement plants, limestone and coal mines, the route for road transportation and its supporting capacity needs to be re-examined by the project proponent with suitable and adequate safety measures.

2.2 The proposal for Terms of Reference (ToR) under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 for Walayar Limestone Mine with production capacity of 0.90 MTPA and waste / topsoil 360000 CuM per annum (Maximum) with existing crusher 400 TPH in the mine lease area of 65.18 ha located at villages Mavuthampathy, Tehsil Madukkarai, District Coimbatore, Tamil Nadu by ACC Limited Madukkarai Cement Works - [File No. IA-J-11015/73/2021-IA-II; Proposal No. IA/TN/MIN/81256/2018; Consultant: Perfect Group] – ToR

1. EAC Meeting Details:

EAC meeting	40th EAC Meeting
Date of Meeting	26 th -27 th October, 2021

2. Project details:

Name of the Proposal	Revalidation of EC under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 for Walayar Limestone Mine with Production Capacity of 0.90 MTPA and waste 360000 CuM per annum (Maximum) with existing Crusher 400 TPH in the mining lease area of 65.18 ha	
Location	Village	Mavuthampathy
	Tehsil/Taluka	Coimbatore South
	District	Coimbatore
	State / UT	Tamil Nadu
	Latitudes	10° 52'26.40"N to 10° 52'59.2"N
	Longitudes	76° 50' 8.1"E to 76° 51' 29.7"E
	SoI Topo sheet No.	58B/13
Company's Name	M/s. ACC Limited.	
Accredited Consultant and certificate no.	Perfact Enviro Solutions Pvt Ltd. (NABET/EIA/1922/RA 0184)	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category "A", Project or Activity 1(a) for Mining of Mineral
Provisions	EIA Notification dated 14 th September, 2006
Mining lease Area (MLA)	65.18 Ha
General condition	The lease area falls 3.29 Km NE to the Kerala-Tamil Nadu state boundary.

4. ToR/EC Details:

ToR Proposal No.	IA/TN/MIN/81256/2018
Online application date for Form-I	04.10.2018
EDS details	EDS was generated on 02.11.2018 for which reply was submitted on 05.10.2021
Production capacity	0.90 MTPA
Soil	Nil
Waste	360000 CuM per annum
Total Excavation	The total excavation to be handled including waste, reject and production is 1535400 TPA (Comprising ore 900000 TPA, and waste 635400 TPA).
Crusher	Existing crusher – 400 TPH located in the south of the lease area

Geological Reserves	49.42 Million Tonnes
Mineable Reserves	14.26 Million Tonnes
Previous EC details	Environmental Clearance granted for an annual production capacity of 0.90 MTPA, vide letter No. J-11015/106/2005-IA.II (M) dated 21.06.2005 under EIA notification 1994.
Additional information	There is no change in the mining technology and production capacity.

5. Lease Details:

Granted Prospecting License by Tamil Nadu Govt.	Area	NA, Existing operating captive limestone mine since 1964 and valid upto 31.03.2030 as per MMDR Amendment Act 2015
	Execution date	
	PL No.	
Validity of mine lease	Mining lease granted by T.N. Govt. on 28.09.1963 for a period of 20 Years. Subsequently renewed on 17.04.1998 for a period of 20 years ending on 12.02.2004. Second renewal of lease was done by GO No. 220 dated 12.05.2006 for a period of 20 years and valid up to 12.02.2024. Being a captive mine Lease is valid upto 31.03.2030 as per Mines and Minerals (Development and Regulation) Amendment Act, 2015.	

6. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	TN/CBT/LST/ROMP-1522.MDS
	Date	12.11.2018
	Validity	2019-2020 to 2023-2024
Mining Parameters	Quantitative Description	
Bench Height	9 m	
Bench Width	12 m	
Method of Mining	Open cast mining with drilling & blasting	
Individual bench slope	80-85 ⁰	
Overall pit slope	Less than 45 ⁰	
Drilling/Blasting	The mining will be carried out with drilling and blasting.	
RoM output size	800 mm	
Life of mine	20 Years	
Transportation details	The broken material is transported using 40 tons Dumpers	
Dumpers capacity	40 tons	

7. Land Area Breakup:

Private land	NA
Government land	65.18
Total Mining lease area (MLA)	65.18 ha
Private land for crusher, workshop & other infrastructure outside the MLA	A crushing plant with a capacity of 400T/H is located in the south of the lease area. The workshop, & garage are also located within the lease area.

9. Observation and Recommendation of the Committee:

The proposal for Terms of Reference (ToR) under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 was considered in the 40th EAC meeting held during 26th – 27th October, 2021. After detailed deliberations, the Committee observed that the project proponent did not submit the certified compliance report, which is necessary for the appraisal of the proposal for ToR under the provision of Ministry's Notification S.O. 1530 (E). The project proponent also agreed during the presentation that certified compliance report is not available of earlier Environmental Clearance vide letter No. J-11015/106/2005-IA.II (M) dated 21.06.2005 granted under EIA Notification, 1994. The Committee was of the view that the project proponent has to obtain certified compliance report before the appraisal of the instant project. Therefore, the Committee **deferred** the proposal.

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

1. EAC Meeting Details:

EAC meeting	40th EAC Meeting
Date of Meeting	26 th -27 th October, 2021

2. Project details:

Name of the Proposal	Gaurala & Somnala Limestone & Dolomite for the production capacity of Limestone 2,37,486 TPA and Dolomite 12,500 TPA with the total excavation of 2,49,986 TPA in the Mining lease area of 116.13 ha	
Location	Village	Gaurala
	Tehsil/Taluka	Maregaon

	District	Yavatmal
	State / UT	Maharashtra
	Latitudes	20 ⁰⁰ 06'19.1-20 ⁰⁰ 05'0.1
	Longitudes	78 ⁰⁰ 51'20.1-78 ⁰⁰ 51'29.6
	SoI Topo sheetNo.	55L/16
Company's Name	Maharashtra State Mining Corporation Limited	
Accredited Consultant and certificate no.	Enviro Techno Consult Private Limited NABET/EIA/1922/RA0163	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	EIA Notification, 2006
Mining lease Area (MLA)	116.13 Ha

4. ToR/EC Details:

ToR Proposal No.	IA/MH/MIN/74203/2018
Online application date for Form-I	11.04.2018
ToR Letter No.	23-246/2018.IA.III(V)
ToR grant Date	04.01.2021 vide EAC reference 18.09.2018
Production capacity	Limestone: 741.94 TPD
Soil	Nil
Waste	82.46 Tonnes/day (OB + Rejects)
Total Excavation	824.4 TPD
EIA/EMP uploaded on	16.07.2021
Date of earlier meeting	34 th EAC Meeting held during 27 th to 30 th July 2021 37 th EAC Meeting held during 15 th – 17 th September, 2021

5. Lease Details:

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

	Date	13.10.2006
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6. Mining plan details:

Mining Plan(approved by IndianBureau of Mines/DMG)	Letter No.	IBM Letter YTL/LST/MPLN-221/NGP-2018/661
	Date	18.07.2019
	Validity	2023-2024 (valid till 11.12.2024)
Mining Parameters	Quantitative Description	
Bench Height	6 m	
Bench Width	6 m	
Method of Mining	Opencast Operation with category "A" mechanized	
Individual bench slope	60 ⁰ to horizontal	
Overall pit slope	60 ⁰ to horizontal	
Drilling/Blasting	Drilling by Wagon drill in limestone and jack hammer for secondary blasting if needed. Controlled delayed blasting is proposed.	
RoM output size	250-300mm	
Life of mine	43 Years	
Transportation details	1] Pit to Surface by Tipper in OC mining 2] Transportation by Trucks by Roads	
Dumpers capacity	20Tonners	

7. Land Area Breakup:

Private land	91.59 HA
Government land	24.54 Ha (Land in possession of Project Proponent (It is a Govt. of Maharashtra undertaking)
Total Mining lease area	116.13 Ha

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

Particulars	Particular's Name	Distance & Directions
Village	Gaurala	1.5 Km East
Town	Wani	12 Km East
National Highway	NH-7	23 Km West
State Highway	(Wani-Yavatmal) Now NH 930	252m South
Railway Station	Wani Rajur	12 Km East 5.4 Km North East
Water Bodies	Nirguda River	3.9 Km West

9. Water requirement

Total water requirement	13.5cum/day	Fresh water	13.5cum/day
		Treated water	0
Source	Pit :1cum/day & Tubewell : 12.5 cum/day		

Permission	CGWA/NOC/MIN/ORIG /2021/10947 dated 15 February 2021	
Ground Water Abstraction Permitted	Fresh Water	
	13.5 cum/day	13.5 cum/day
No Objection Certificate (NOC) for Ground Water Abstraction	Valid from	15/02/2021
	Valid up to	14/02/2023

10. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	Yes	Reserved forest is at 2 Km South of Lease. Letter issued by Forest Department, Pandhar kawda is submitted vide compliance to ToR point No. 12. Letter reference 3897/2021 dated 18.02.2021
National park	No	
Wildlife Sanctuary	No	

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

11. Green belt/plantation details:

Proposed area for green belt/plantation	Safety belt of 7.5 meter covering area of 2.02 ha
Budget for green plant & plantation till the end of life of mine.	Rs. 70000
Budget for nursery	Rs. 200 per tree

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	0.058
50 m safety zone of nallah, roads, electric lines	1.97
500 m safety zones of nearest habitation villages	Nil

12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	05 March 2018-02 June 2018
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer/Pre monsoon

13. Public Hearing (PH) Details

Advertisement for PH with date	22.04.2019
Date of PH	29.05.2019
Venue	Project Site

Chaired by	Additional District Magistrate , Yavatmal
Main issues raised during PH	1] Local issues regarding Land Acquisition 2] Plantation 3] Employment to Locals 4] Ambulance for Locals
Budget proposed for addressing issues raised during PH	Under CSR Rs. 2.10 Lakh Under CER 1.70 Lakh For Plantation Rs. 70000.00 Provision for ambulance as a part of EMP for Rs. 1.20 Lakh per annum on contractual basis is made.

14. Court case details:

Court Case	No case is pending against the project
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15. Rehabilitation & Resettlement:

R & R details	Land of 24.54 ha is already in possession of project Proponent. Land of 91.59 ha Land acquisition is under process vide letter of Collector-Yavatmal dated 28.05.2010
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16. Past production details:

Particulars	Letter no. and date
Certified past production	Details of past production details certified by District Mining Officer, Yavatmal are submitted.

17. ADS details:

S.No	ADS Point	Reply
1	The project proponent has to obtain and submit a letter from Department of Mines, Govt. of Maharashtra that the project proponent will be permitted to execute the lease after grant of Environmental Clearance. This is required because renewal of mine lease vide letter dated 13.10.2006 clearly mentioned that the project proponent should execute renewed mining	Letter issued by District Mining Officer, Collector Office Yavatmal regarding execution of lease after grant of prior environmental clearance is submitted as an annexure with the ADS reply.

	lease within 6 months from the date of order date 13.10.2006	
2	The project proponent needs to submit the revised table of damage assessment by calculating the damage from 1994 onwards till 2011 instead of 1984.	Revised table of damage assessment is submitted with ADS reply.
3	The project proponent needs to submit the revised table of EMP for public hearing concerns by providing only capital expenditure in 2 years i.e. upto 2023 as current lease is expiring in 2024.	Project cost is revised including land coat as below : Cost Break up for Project : a) Cost Against Plant and machinery : RS. 0.85 Cr b) Cost Against Private Land Purchased 16.35 HA @ Ready Reckoner of Rs. 777000.00 per ha is 1.27 Cr. c) Total Cost of investment is Rs. 2.12 Cr. Details are submitted with the ADS reply.
4	The project proponent needs to submit the revised table aligning with the approved mining plan indicating total Limestone, Dolomite, overburden, interburden and mineral rejects. Also, details of total excavation shall be resubmitted along with the stripping ratio.	Details are submitted with ADS reply.
5	The project proponent has confirmed that mining will be done only up to 16 m from the surface and current level of mining is 10m in the existing pit. The project proponent will be permitted for one more bench and production will be permitted from this bench only	Project Proponent is agreed
6	The project proponent needs to submit the current status of the credible action taken.	No action is reported to the project proponent by either the State Government or SPCB under the provisions of section 19 of EPA Act, 1986. No CTO is issued by MPCB to the project.

7	The project proponent needs to submit the cost saved in EMP expenditure and profit accrual during violation period duly certified by the Finance Department.	M/s MSMCL has saved Rs. 850000 against capital cost and Rs. 18700000 against recurring cost w.r.t. implementation of environmental management measures.
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18. Details of the EMP:

Activities	Capital cost in Rs.	Recurring cost (Rs./annum)
	Haul Road Dust Control : Compaction, gradation and drainage on both sides Regular Maintenance Capital Cost @ Rs.1000/Mtr	150000
Dust Control Activity : Water Tanker @ Rs.750/2KL tanker	0	300000
Dust Control Activity : Rain Guns with connections @ 12000/per with fittings	60000	5000
Air Quality will be regularly monitored as per norms within ML area & Ambient Area Yearly Compliance as per CPCB norms	0	200000
No overloading of trucks/tippers/tractors. Manual Monitoring through Security guard	0	120000
Lime Stone chips carrying trucks will be effectively covered by tarpaulin to avoid escape of fines to the atmosphere Tarpaulin (Provision for minimum 15 made though trucks are contractual)	75000	25000
Enforcing speed limits of 20 Km/hr within ML area. Manual Monitoring through Security guard	0	120000
Regular Monitoring of Exhaust Fumes @ 500/truck (Provision for minimum 14 made though trucks are contractual)	0	7000
Regular sweeping and maintenance of tar road for of 250 m from quarry entrance. Provision for 3 labors @ Rs.20000/labor (Contractual sweepers)	0	60000

Safety tools and implements that are required will be kept adequately near blasting site at the time of charging. Provision made in OHS part	25000	0
Proper warning system before blasting will be adopted and clearance of the area before blasting will be ensured. Installation of Warning System	15000	5000
Provision for Portable blaster shed .Installation of Portable blasting shelter	25000	5000
During monsoon period surface runoff around the quarries will follow the garland drains/storm water drains as per natural drain pattern. Eroded sediments, through a garland drain will be entrapped before being discharged to the natural drainage system. Otherwise the water from garland drains shall be collected in temporary pit reservoirs, after settling and this collected water shall be used for a plantation and dust suppression uses. Provision for storm water drains @ Rs. 100/Running Meter (Provision for 1mx1mx 1m Capital cost for excavation of drain. Peripheral Length 350m)	35000	10000
Provision of Recharge structure for rain water harvesting. Provision of 6 recharge structures	90000	15000
Provision for domestic waste collection and disposal through authorized agency (Capital Cost Membership fee + Recurring for collection /disposal charges)	20000	25000
Provision for dust bins etc. Installation of dust bins	10000	2500
Provision for up gradation of toilets made @ Rs.50000/unit	50000	50000
Workers will be provided with Personal Protective Equipments. Provision for 30 kits made(one Eyewashis included for one quarry in the cost)	10000	150000
Warning hooters with warning sound system will be provided. Provision for hooter system	12000	1200
Provision of Ambulance (24 Hrs Contractual Basis on Site).OHS /PH demand	0	120000
Six monthly health check up for workers will be provisioned. Six Monthly Health check up	0	30000
First aid facility will be provided. Provision for 2 Kits of first aid @ Rs. 15000/kit	0	40000

Mine will have safety precaution signages, boards. Provision for signages and boards made	0	15000
Barbed Wire Fencing to quarry area will be provisioned. @ Rs1.00 Lakh/Ha. Provision @ Rs1.00 Lakh/Ha (Already Barbed 70 %)	150000	35000
About 200 trees per year along 7.5 m safety zone of quarry will be planted year wise. (Two Tier) About 500 trees per year will be planted for 0.5 Km area (400 trees + 100 provisioned for replantation) on transport road/SH Wani Maregaon on both side year wise. Provision for Rs 100/ sapling	0	70000
Village Biodiversity Conservation Program. Provision includes expenses towards Chowdee Sabha, Expert Remuneration, Implementation of program	15000	20000
Though no final mine closure activity will be started progressively, but financial provision of Rs. 1.00 Lakhs/year in the form of deposit every year will be made. This amount will be utilized to implement final mine closure plan approved by Directorate of Geology and Mining, Govt. of Maharashtra at the time of mine closure. Rs. 1.00 Lakh /year provisioned to deposit till continuation of mining operations	0	100000
Mine Pit Operations Transportation over roads. No parking will be provided on the transport routes. Separate provision on the Western part of lease is made for parking of vehicles /HEMMs. Flaggers will be deployed for traffic management. Provisioned for Land and Flagger made	0	50000
Total in Rs.	742000	1655700

19. Details of project cost and employment:

Particulars	Details (in Crores)
Capital Cost for Environment Protection	0.0742
Budget for addressing the Public Hearing issues	0.057
Total Cost for EMP	0.1312
Recurring Cost for EMP	0.16557
Project Cost	0.85
Employment	60 persons

20. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 40th EAC meeting held during 26th – 27th October 2021. The matter was examined in the Ministry in accordance with the EIA Notification, 2006, Ministry's Notification vide S.O 804 (E) dated 14.03.2017 and further amendments. After detailed deliberations made by the project proponent and the consultant, the Committee **recommended** the proposal for Environmental clearance of Gaurala & Somnala Limestone & Dolomite for the production capacity of Limestone 2,37,486 TPA and Dolomite 12,500 TPA with the total excavation of 2,49,986 TPA in the Mining lease area of 116.13 ha located at Village Gaurala, Tehsil Maregaon, District Yavatmal. State Maharashtra, by M/s Maharashtra State Mining Corporation Limited along with the following specific conditions:

- a. The EC will be valid till 11.12.2024, in line with the lease validity.
- b. Action against project proponent under section 19 of Environment (Protection) Act, 1986.
- c. EAC recommended for an amount of Rs 1.39 Crores towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan provision are mentioned below:

Remediation plan with budgetary provision

Sl. No	Name of the area	Budget for Remediation Plan (Rs.)
01	Land Environment	322000.00
02	Air Environment	4125000.00
03	Water Environment	685000.00
04	Noise & Vibration Environment,	180000.00
05	Ecological Environment	5700000.00
06	Socio-Economic Environment	97058.00
07	Occupational Health & Safety	847000.00
Total Budget allocated for remediation measures		Rs. 1,19,56058.00

Natural Resource Augmentation plan with budgetary provision

Proposed activity under Natural Resource Augmentation Plan	Year wise Implementation and Budgetary provision		Total
	Yr1	Yr2	
Development of Greenery in the surrounding area and road side plantation, Awareness programs, fauna habitat conservations, Expert Advice, Funding for Chawdi	700000	700000	1400000

Provision of drinking water facilities through hand pumps/dug wells/tube wells (1 hand pumps/wells per year)	25000	25000	50000
Renovation of open wells in nearby villages	10000	10000	20000
Ground Water Recharge Pits in 2	15000	15000	30000
Supply of fluoride free water	75000	75000	150000
Awareness Camps for villagers on various issues including clean	50000		50000
Training for fish culture in pit water	25000	25000	50000
Total	875000	875000	1750000

Community Resource Augmentation plan with budgetary provision

Proposed activity under Community Resource Augmentation Plan	Year wise implementation		Total Cost Allocation
	1st year	2nd year	
Providing water to farmers & support for irrigation (Farm Ponds)	30000	30000	60000
Construction of village Roads, repair and maintenance	10000	10000	20000
Construction of sanitation structures (toilet) in schools and villages (3 toilets in 3 villages)	50000	50000	100000
Technical skill development program to the children of farmers / poor people	15000	15000	30000

Scholarship to the clever students for higher education	10000	10000	20000
Total in Rupees	115000	115000	230000

Summary

Sl. No	Activities	Total Cost (Rs.)
01	Remediation plan	Rs. 1,19,56058.00
02	Natural Resource Augmentation Plan	Rs. 17,50,000.00
03	Community resource Augmentation Plan	Rs. 2,30,000.00
Sub Total		Rs. 1,39,36058.00

- d. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs 1.39 Crores. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 1.39 Crores/- towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- e. Remediation plan along with the Natural and Community Resource Augmentation Plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- f. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- g. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- h. State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

- i. Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.
- j. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- k. The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.
- l. The mining operations shall be away by 500 meters from habitations and the agricultural fields.

2.4 The proposal for Terms of Reference (ToR) under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 for Limestone with production of Limestone 1.3 MTPA in the mine lease area of 598.88 ha located at Village Rajanka, Dakota, Purna Chaibasa, Kondwa & Indikuri etc Tehsil Tonto, District West Singhbhum, Jharkhand by ACC Ltd. - [Proposal no: IA/JH/MIN/233447/2021; File No. J-11015/155/2018-IA.II (M)] – ToR

1. EAC Meeting Details:

EAC meeting	40th EAC Meeting
Date of Meeting	26 th -27 th October, 2021

2. Project details:

Name of the Proposal	Rajanka Limestone Mines (Main Lease) (Area 598.88 Ha) of M/s ACC Limited	
Location	Village	Rajanka, Dakota, Purna Chaibasa, Kondwa & Indikuri etc
	Tehsil/Taluka	Tonto
	District	West Singhbhum
	State / UT	Jharkhand
	Latitudes	22°15'37.94"N to 22°31'47.40"N,
	Longitudes	85°37'26.66"E to 85°37'32.47"E
	Sol Topo sheet No.	No.73F/10, 73 F/14, 73 F/11, 73 F/1573 F/10, 73 F/14, 73 F/11 and 73 F/15
Company's Name	M/s. ACC Limited	

Accredited Consultant and certificate no.	Perfact Enviro Solutions Pvt Ltd. (NABET/EIA/1922/RA 0184)
KML file	Submitted
Seismic zone	II

3. Category details:

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	EIA notification 2006
Mining lease Area (MLA)	598.88 ha

4. ToR/EC Details:

ToR Proposal No.	IA/JH/MIN/233447/2021
Online application date for Form-I	04.10.2018
EAC meeting date	27.10.2021
Production capacity	1.3 million TPA (Limestone)
Soil	Max 900 cum per annum of topsoil will be generated
Waste	0.86 MTPA
Total Excavation	2.27 MTPA
Crusher	The crusher is situated in F2 lease (adjacent lease to F-block of the same lessee).
Previous EAC meeting	The proposal was considered in EAC meeting held during 15-16 th November, 2018 wherein the Committee deferred the proposal. The proposal was again considered in 12 th EAC Meeting held during December 19-20, 2019 wherein the Committee deferred the proposal.
Previous EC details	EC was granted by MoEF vide Letter no. J-11015/129/2001-IA.II(M) dated 28.01.2004 to produce 2.11 Million TPA from the composite block of 145.37 Ha comprising of two separate leases namely block F (81.50) of Rajanka lease (598.88 Ha) & F2 lease(63.87 Ha). Further, the application was submitted on 5th October 2018 for Revalidation under EIA Notification 2006 amended vide Govt. of India Gazette Notification vide S.O. 1530(E) dated 6th April 2018, wherein the MoEF&CC asked to apply EC separately for both the leases. Accordingly, a separate EC for 598.88 ha. (including block F).

5. Lease Details:

Granted Prospecting Licence	Area	NA as the lease was executed in 04.06.1943 and valid upto
	Execution date	

	PL No.	31.03.2030 as per MMDR Amendment Act 2015
Application for the Mining lease area and Date	04.06.1943 (execution lease date)	
Validity of mine lease	The main lease was granted on 04.06.1943 valid till 31.12.1970. First renewal of lease was on 01.01.1971 valid till 31.12.1990, second renewal of lease was deemed renewed over an area of 598.88 ha including F block (81.5ha) expired on 31.12.2010. The application for 3rd renewal for 20 years was filed in December 2009. The deemed lease has been extended by State Government vide letter No. 2112/M Dated on 17.10.2017 and is valid till 31.03.2030 .	

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	vide letter No. RAN/WSB/LST/MP-37/2019-20
	Date	26.11.2020
	Validity	2020-21 to 2024-25
Mining Parameters	Quantitative Description	
Bench Height	7 - 11.5 m	
Bench Width	15 m	
Method of Mining	Open cast mining with drilling & blasting	
Individual bench slope	85°	
Overall pit slope	less than 45 deg	
Drilling/Blasting	Fully Mechanized open cast mining with drilling & blasting has been carried out by deploying hydraulic excavators of 4 cum bucket capacity, dozers, 115 & 152 mm dia DTH drills,	
RoM output size	<0.7m ³	
Life of mine	07 Years (3+4) F and S Block respectively.It may extend based on future detail exploration.	
Transportation details	The broken material will be transported using Dumpers	
Dumpers capacity	40/50/60 tons (BEML dumpers)	

7. Land Area Breakup:

Private land	490.09 ha
Government land	108.79 ha
Total Mining lease area (MLA)	598.99 ha

8. Observation and Recommendation of the Committee:

The proposal for Terms of Reference (ToR) under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 was considered in the 40th EAC meeting held during 26th – 27th October, 2021. After detailed deliberations, the Committee

noted that the project proponent did not submit the latest certified compliance report which is necessary for the appraisal of the proposal for ToR under the provision of Ministry's Notification S.O. 1530 (E). The project proponent also agreed during the presentation that latest certified compliance report is not available of earlier Environmental Clearance vide letter No. J-11015/129/2001-IA.II(M) dated 28.01.2004 granted under EIA Notification, 1994. The Committee was of the view that the project proponent has to obtain latest certified compliance report before the appraisal of the instant project. Therefore, the Committee **deferred** the proposal.

2.5 The proposal for Terms of Reference (ToR) under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 for Existing Mohangarh Gypsum (Minor Mineral) Mining project (ML No 07/03, ML Area 200 ha) with production capacity 1,00,000 TPA Gypsum & 7936 cum/year OB at Village Mohangarh Tehsil & District- Jaisalmer (Rajasthan) by M/s FCI Aravali Gypsum and Minerals India Ltd. - [Proposal no: IA/RJ/MIN/87020/2018; File No. IA-J-11015/3/2019-IA-II(M)] – ToR

1. EAC Meeting Details:

EAC meeting	40th EAC Meeting
Date of Meeting	26 th -27 th October, 2021

2. Project details:

Name of the Proposal	Environmental Clearance as per MoEF&CC Notification dated 06th April, 2018 for Existing Mohangarh Gypsum (Minor Mineral) Mining project (ML No 07/03, ML Area 200 ha) with production capacity 1,00,000 TPA Gypsum & 7936 cum/year OB.	
Location	Village	Mohangarh
	Tehsil/Taluka	Jaisalmer
	District	Jaisalmer
	State / UT	Rajasthan
	Latitudes	27°18'01.21"N
	Longitudes	71°16'25.93"E
	SoI Topo sheet No.	40M/7 (Old) or G42 F/7 (New)
Company's Name	M/s FCI Aravali Gypsum and Minerals India Ltd.	
Accredited Consultant and certificate no.	Mantec Consultants Private Limited Certificate No.:NABET/EIA/2023/RA 0205	
KML file	Submitted	
Seismic zone	III	

3. Category details:

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	EIA Notification, 2006

Mining lease Area (MLA)	200 ha
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4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/87020/2018
Online application date for Form-I	29.11.2018
EAC meeting date	16 th August 2021
Production capacity	1,00,000 TPA Gypsum & 7936 cum/year OB
Soil	0.3-0.4 m
Waste	39680
Total Excavation	1,00,000 TPA
Previous EC details	J-11015/180/2005-IA.II (M) dated 22nd December, 2005.
Additional details	<p>The proposal for ToR was submitted on 29.11.2018. It was placed in EAC Meeting held during 22nd January, 2019. During the meeting EAC recommended the TOR subject to submission of Cluster certificate, past production details 2005-06 to 2007, 2008, CTE, CTO from 2005-06 to 2006-07 and 2011-12 to 2014-15, a letter from State Government regarding the validity of this mining lease and examination in light of Common Cause order dated 02.08.2017 and S.O. 804(E) dated 14.03.2017.</p> <p>The reply of ADS was submitted and the case was taken up in 35th EAC meeting dated 16th August, 2021, during which Committee raised ADS on production details. Reply of the same was submitted on 29.09.2021.</p>

5. Lease Details:

Granted mine lease by Govt. of Rajasthan	Area	200 Ha
	In favor of	FCI Aravali Gypsum and Minerals India Ltd
	Order no.	F-3(7)/MIN/Group-2/2006
	Date	20.07.2007
Validity of mine lease	16.12.2057 as per MMDR Act-1957 dated 12.01.2015	

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	SME/BKN/Major/ML-07/03/1464
	Date	12.05.2017
	Validity	18.11.2023

Mining Parameters	Quantitative Description
Bench Height	2m
Bench Width	More than 2m
Method of Mining	Open Cast Mechanized
Individual bench slope	45
Overall pit slope	45
Drilling/Blasting	No Drilling and Blasting
RoM output size	99999.9 MT
Life of mine	5.9
Transportation details	By Road
Dumpers capacity	20 Tons

7. Land Area Breakup:

Private land	31.25ha.
Government land	168.75 ha
Total Mining lease area (MLA)	200 ha

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

Particulars	Particular's Name	Distance &Directions
Nearest Town	Jaisalmer	~54km in SW
Nearest State Highway/National Highway	NH-15 SH-40	~33.5 Km in SSE ~38.15 Km in ENE
Water Body	Indira Gandhi Canal	~2.34 Km in East
Railway Station	Chandan Railway Station	~32.5 in SSE

9. Water requirement:

Total water requirement	28.5 KLD	Fresh water	-
		Treated water	-
Source	Water Tankers		
Permission	-		

10. ADS details:

S. No.	ADS raised in 35th EAC meeting	ADS reply dated 29.09.2021
1	The project proponent needs to submit the month-wise production details for previous EC capacity from 1 st April to 31 st March as per the financial year given in EC	The condition given in the Previous EC Letter at point mentioned in Page No. 3 (II) No change in the calendar plan including excavation, quantum of mineral and waste should be made” as interpretation of calendar plan is according to consent period granted which is started from 01st January to 31st December for Mohangarh-

	vide letter no. J-11015/180/2005-IA.II (M) dated 22nd December, 2005.	II.
2	The project proponent needs to submit the financial year wise past production data duly certified by DMG.	The Production is linked only to the period mentioned in CTO and has no linkage to financial year. The data of Financial year wise is only used for financial accounting purpose. As issue of CTO is a continuous activity, the validity period mentioned is different in each CTO. The financial year wise pas production detail duly certified by DMG is submitted.
S.No.	ADS Point dated 25.02.2019	Reply
1.	Cluster Certificate	Cluster certificate from DMG has submitted
2.	Past Production Details 2005-2006 to 2007-2008	No Past Production details were achieved before 2008-09. M/s FCI Aravali Gypsum and Minerals India Ltd has obtained environmental clearance for Mohangarh Gypsum (Minor Mineral) Mining Project (ML No 07/03, ML area 200 ha) with production capacity of 100000 TPA gypsum under the provision of EIA Notification 1994 vide letter no J-11015/180/2005-IA.II(M) dated 22 nd December, 2005. Past Production details has submitted
3.	CTE, CTO From 2005-06 to 2006-07 and 2011-12 to 2014-15	The CTE dated 25.03.2008 and all the CTO covering the period from January 2008 to December, 2018 has submitted
4.	A letter from State Government regarding the validity of this mining lease and examination in light of common cause order dated 02.08.2017 and S.O 804 (E) dated 14.03.2017	Rider agreement regarding the mine lease validity has submitted

21. Observation and Recommendation of the Committee:

The proposal for Terms of Reference (ToR) was considered in the 40th EAC meeting held during 26th – 27th October, 2021. The Committee noted that the proposal for ToR was submitted on 29.11.2018. The proposal was recommended for ToR in EAC Meeting held during 22nd January, 2019 subject to submission of Cluster certificate, past production details 2005-06 to 2007, 2008, CTE, CTO from 2005-06 to 2006-07 and 2011-12 to 2014-15, a letter from State Government regarding the

validity of this mining lease. After submission of the above mentioned information, the proposal was considered in the 40th EAC meeting. After the detailed deliberations, the Committee noted that the production was exceeded during 2008-09, 2009-10 and 2010-11 against the granted production capacity. The same was accepted by the project proponent during the 40th EAC meeting. The proposal was recorded in light of Common Cause order dated 02.08.2017 and S.O. 804(E) dated 14.03.2017. The Committee advised the Ministry to take action under the provisions of Section 19 of the Environment (Protection) Act, 1986 against the project proponent.

Also, The Committee opined that SOP dated 07.07.2021 issued by the Ministry for identification and handling of violation cases under EIA Notification, 2006 has been stayed by the Madurai bench of Hon'ble High Court of Madras vide order dated 15.07.2021. Therefore, the Committee **returned the proposal in the present form** and was of the view that the project proponent should approach the Ministry after the final adjudication of the Hon'ble High Court.

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	26 th October 2021	27 th October 2021
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	Yes	No
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes	Yes
5	Shri Santosh Gupta	Flat No. 405, Block –B, Gaur Green Vista, NyayKhand - 1, Indrapuram, Ghaziabad- 201014	Member	Yes	Yes
6	Dr. (Ms.) Asha Rajvanshi	Wildlife Institute of Inida, Chandrabani, Dehradun- 248001	Member	Yes	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes	No
8	Dr. A.K. Malhotra	House no.33, Sector-11 Dwarka, New Delhi-110075	Member	Yes	Yes

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