

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

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**SUMMARY RECORD OF 32<sup>nd</sup> MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.**

The 32<sup>nd</sup> 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 28<sup>th</sup> June to 1<sup>st</sup> July 2021 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

**(1.0.0) Deliberation & Circulation on the Minutes of the 28<sup>th</sup> EAC Meeting held during 24<sup>th</sup> - 26<sup>th</sup> Feb, 2021.**

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

<b>Agenda No.</b>	<b>As per EAC meeting minutes dated 24<sup>th</sup> - 26<sup>th</sup> Feb, 2021</b>	<b>EAC recommended during 32<sup>nd</sup> meeting on 28 June to 1<sup>st</sup> July 2021</b>
3.3	Page No. 52, Para 20, Line No. 3  Based on the discussion held and document submitted in the EAC meeting held on 24th to 26th February, 2021 the Committee recommended the proposal for EC of	Based on the discussion held and document submitted in the EAC meeting held on 24th to 26th February, 2021 the Committee recommended the proposal for EC of Production of 0.2 MTPA (ROM) of Limestone mine with the Mining lease area 24.28 ha located at survey no. 22/2 part of village Zinzarka-Boricha, Taluka porbandar, District Porbandar, Gujarat.  <b>Note:</b> In the above proposal, where ever production

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	Production of 2.0 MTPA(ROM) of Limestone mine with the Mining lease area 24.28 ha located at survey no. 22/2 part of village Zinzarka-Boricha, Taluka porbandar, District Porbandar, Gujarat.	capacity 2 MTPA is mentioned to be read as 0.2 MTPA.
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**(1.0.1) Deliberation & Circulation on the Minutes of the 31<sup>st</sup> EAC Meeting held during 9<sup>th</sup> to 11<sup>th</sup> and 14<sup>th</sup> to 15<sup>th</sup> June 2021.**

The minutes of 31<sup>st</sup> EAC Meeting held during 9<sup>th</sup> to 11<sup>th</sup> and 14<sup>th</sup> to 15<sup>th</sup> June 2021 were placed before the members of the Committee. The Member Secretary informed the Committee that the following corrigendum was made in 31<sup>st</sup> EAC Meeting held during 9<sup>th</sup> to 15<sup>th</sup> June 2021 as given below:

<b>Agenda No.</b>	<b>As per EAC meeting minutes dated 9<sup>th</sup> to 15<sup>th</sup> June 2021</b>	<b>EAC recommended during 32<sup>nd</sup> meeting on 28 June to 1<sup>st</sup> July 2021</b>
2.4	Page No. 54, Para 19, line 5  Therefore, EMP budget has to be revised.	During the EAC meeting, project proponent was asked to submit the revised EMP budget. Accordingly, project proponent vide letter no. RCCPL/Persoda/MH/Moef&CC dated 12.06.2021 submitted the revised EMP budget.

<b>Agenda No.</b>	<b>As per EAC meeting minutes dated 9<sup>th</sup> to 15<sup>th</sup> June 2021</b>	<b>EAC recommended during 32<sup>nd</sup> meeting on 28 June to 1<sup>st</sup> July 2021</b>

<p>5.3</p>	<p>Page No. 123, after Para 5 and Page No. 132, Para 18</p> <p><b>Recommendation of the Committee:</b> After detailed deliberations made by the Project Proponent and the Consultant, the Committee Recommended the proposal for Environmental Clearance of Noamundi Iron Ore Mine for the production from 10 MTPA to 19 MTPA (ROM) with total excavation of 27 MTPA over mining lease area 1160.06 ha along with increase of Iron ore beneficiation plant capacity (Feed to Plant) from 18 MTPA to 27 MTPA in the total project area of 1230.42 ha located at Mahul, Balijore, Korta, Noamundi, Sarbil and Barabalijori villages, West Singhbhum District,</p>	<p>6. The PP submitted that Noamundi Iron ore mine lease was originally granted from 01.01.1922 for a period of 30 years over an area of 1160.06 ha. 1st Renewal for 30 years w.e.f. 01.01.1952 over an area of 1160.06 ha. 2nd Renewal over an area of 1160.06 ha granted by Govt of Bihar vide their memo no.4795 dated 01.09.1984 and lease deed executed on 20.10.1985. Third Renewal of lease was applied on 17.12.2009. As per the amended MMDR Act under section 8A(5) the captive lease period of Noamundi extended upto 31.03.2030 for 768.55 out of 1160.06 ha.</p> <p>7. The PP submitted the revised mining plan (4th Revision) and mine closure plan of Noamundi iron ore mine has been approved by IBM vide Letter No: RAN/WSB/Fe/MP-06/2019-20 dated 13<sup>th</sup> Aug., 2019.</p> <p>8. The PP submitted that the mining operations are carried out by fully mechanized open cast method. Blasting is carried out to create fragmented material. Height of the bench is 12 m and the width of the benches varies from 12-25 m. Drilling is done using 150/165 mm diameter drill. Blasting is done by using SME (Site Mixed Emulsion Explosives) &amp; Nonel (non-electric initiation) and electronic detonators. The blasted material is excavated by shovels and loaded onto 100 ton dumpers for transportation of ore, sub grade or waste.</p> <p>9. PP submitted that the topography of the area is undulated and hilly area at an elevation above mean sea level ranging from 506m-736m RL and the ground water level is at 506m AMSL. There are three working pits namely (i) Hill No 5&amp;6(Eastern Pit), (ii) Hill No. 3&amp;4(Eastern Pit), and (iii) Western Pit. The ultimate working depth for Hill No.5&amp;6 will be 588m AMSL, for hill no 3 &amp; 4 will be 540m AMSL and for Western Pit, it will be 522m AMSL. The water table during the post monsoon is reported at 496m AMSL. The mine</p>
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<p>Jharkhand by M/s Tata Steel Limited along with the following specific conditions:</p> <p>1. Implement the revised remediation plan, natural resource augmentation plan (NRAP) and community resource augmentation plan (CRAP) which was submitted by PP after the EAC meeting.</p> <p>2. Implement the environmental monitoring plan with emphasis on air quality, noise and vibration, water quality as well as soil degradation to be submitted.</p> <p>3. Wildlife conservation plan be augmented with additional points revised in the light of guidance given by EAC during the meeting with more emphasis on wildlife conservation rather</p>	<p>working will not intersect ground water table.</p> <p>10. PP submitted that the mine lease area of Noamundi Iron Mine of Tata Steel Limited is over an extent of 1160.06 ha. In addition, an area of 70.36 ha adjacent to the mine lease area also forms part of the project area. This additional area of 70.36 ha is part of the rail loading &amp; dispatch infrastructure which caters to the dispatch of ore produced from the lease area. Thus, the total project area is 1230.42 ha. The Environmental Clearance granted to Noamundi Iron Mine in the year 2013 is over the project area of 1230.42 ha. The mine lease area of 1160.06 ha consists of total forest area of 762.43 ha and non-forest area of 397.63 ha. Forest Clearance for 370.92 ha was granted to the project vide letter no. F. No. 8-279/1985-FC(Pt) dated 04.09.2014. For the remaining forest land of 391.51 ha (including safety zone area of 8.14 ha), an application has been made for forest diversion which is under consideration. The NPV for the entire forest area has been paid.</p> <p>11. The PP submitted that there are six schedule-1 species viz. Grey wolf, Elephant, sloth bear, Leopard, Peacock, Python, Common Indian monitor. Chief Wildlife Warden Letter has been obtained vide letter No. 1251 dated 28.08.2020.</p> <p>12. The public hearing was conducted by Jharkhand State Pollution Control Board (JSPCB) on 06th November 2020, under the Chairmanship of Additional Deputy Commissioner, West Singhbhum, Chiabasa at playground of D.A.V. Public School, Noamundi, District-West Singhbhum, Jharkhand as per the Environmental Impact Assessment Notification dated 14th September, 2006.</p> <p>13. The Project Proponent submitted that there is a court case pending in the High Court of Jharkhand having WP(C) 3768 of 2015. directed the State Government to decide on the representation of Tata</p>
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	<p>than creating infrastructure which cannot be controlled by project proponent.</p> <p>4. Public hearing concerns must be addressed as committed.</p> <p>5. The EMP cost should include plantation within the mine lease area whereas plantation outside the mine lease area will be given to NRAP cost.</p>	<p>Steel which is already pending before the State of Jharkhand in accordance with law and in light of Section 8A(5) of the MMDR Act 1957.</p> <p>14. The PP submitted that total project cost is 5558 Crores. PP reported that the total manpower required for this mining project is 3717 persons.</p> <p>15. <b>Recommendation of the Committee:</b> After detailed deliberations made by the Project Proponent and the Consultant, the Committee <b>recommended</b> the proposal for Environmental Clearance of Noamundi Iron Ore Mine for the production from 10 MTPA to 19 MTPA (ROM) with total excavation of 27 MTPA over mining lease area 768.55 ha (Forest Clearance for 370.92 ha + non forest area 397.63 ha) out of total project area 1230.42 ha along with increase of Iron ore beneficiation plant capacity (Feed to Plant) from 18 MTPA to 27 MTPA located at Mahul, Balijore, Korta, Noamundi, Sarbil and Barabalijori villages, West Singhbhum District, Jharkhand by M/s Tata Steel Limited along with the following specific conditions:</p> <ol style="list-style-type: none"> <li>1. Implementation of the revised remediation plan, natural resource augmentation plan (NRAP) and community resource augmentation plan (CRAP) which was submitted by PP after the EAC meeting.</li> <li>2. Implementation of the environmental monitoring plan with emphasis on air quality, noise and vibration, water quality as well as soil degradation to be submitted.</li> <li>3. Wildlife conservation plan be augmented with additional points revised in the light of guidance given by EAC during the meeting with more emphasis on wildlife conservation rather than creating infrastructure which cannot be controlled by project proponent.</li> <li>4. Public hearing concerns must be addressed as committed.</li> </ol>
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Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

		<p>5. The EMP cost should include plantation within the mine lease area whereas plantation outside the mine lease area will be given to NRAP cost.</p> <p>6. No mining activities will be allowed in the forest area for which forest clearance is not available.</p> <p>7. As the public hearing has been carried out for the entire project area and PP has paid the NPV for entire forest land involved in the project area, PP after taking stage-II Forest Clearance for remaining area i.e. 391.51 Ha; may again approach the Ministry for undertaking mining in the remaining area with the proper mining plan.</p>
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Agenda no.	As per EAC meeting minutes dated 9 <sup>th</sup> to 15 <sup>th</sup> June 2021	EAC recommended during 32 <sup>nd</sup> meeting on 28 June to 1 <sup>st</sup> July 2021
4.1	<p>Page No: 83, Para No: 26</p> <p><b>26. Recommendation of the Committee:</b> The proposal for Environmental Clearance was considered in the 31st EAC meeting held during 9<sup>th</sup> - 15<sup>th</sup> June, 2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee recommended the proposal for grant of Environmental Clearance of M/s JSW Steel Limited for expansion in Iron Ore production from 5.62 Million TPA to 7.99 Million TPA (ROM) along with existing 2.0 Million TPA Beneficiation plant and Crusher and Screen Plants in the mine lease area of 767.284 Ha located in the village(s) of Nuagon, Guali, Topadihi, Barapada and</p>	<p><b>26. Recommendation of the Committee:</b> The proposal for Environmental Clearance was considered in the 31st EAC meeting held during 9<sup>th</sup> - 15<sup>th</sup> June, 2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee recommended the proposal for grant of Environmental Clearance of M/s JSW Steel Limited for expansion in Iron Ore production from 5.62 Million TPA to 7.99 Million TPA (ROM) along with existing 2.0 Million TPA Beneficiation plant and Crusher and Screen Plants in the mine lease area of 603.666 Ha [FC available 476.205 +non forest area 127.461 ha] out of total lease area 767.284 Ha located in the village(s) of Nuagon, Guali, Topadihi,</p>

	<p>Katasahi, Tehsil-Barbil, Keonjhar District, Odisha with the following specific conditions along with the recommendation of CSIR-NEERI Report on Carrying Capacity Study for Environmentally Sustainable Iron and Manganese Ore Mining on carrying capacity study in addition to the standard conditions applicable for non- coal mining projects:</p>	<p>Barapada and Katasahi, Tehsil-Barbil, Keonjhar District, Odisha with the following specific conditions along with the recommendation of CSIR-NEERI Report on Carrying Capacity Study for Environmentally Sustainable Iron and Manganese Ore Mining on carrying capacity study in addition to the standard conditions applicable for non- coal mining projects</p> <p>IX. No mining activities will be allowed in the part of forest land involved in the lease area i.e. 163.618 Ha (639.823 Ha-476.205Ha) for which the forest clearance is not available.</p>
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**DAY 1 - 28.06.2021 (Monday)**

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

**1. EAC Meeting Details:**

EAC meeting	32nd EAC Meeting (Non coal mining)
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July,2021

**2. Project details:**

Name of the Project	Proposal for Environmental Clearance for expansion of Aniali Rana Bordi Limestone Mining Project with production capacity of 1,75,000 TPA located at Village: Aniali, Tehsil: Ranananv, District: Porbandar, Gujarat (MLA: 12.27 Ha)	
Location	Village	Aniali

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	Tehsil/Taluka	Rananav
	District	Porbandar
	State / UT	Gujarat
	Latitudes	21° 42' 4.535" to 21° 42' 24.163"
	Longitudes	69° 49' 23.698" to 69° 49' 31.769"
	Sol Topo sheet No.	207/p
Company Name	M/s TATA Chemicals Limited	
Accredited Consultant Organisation and its certificate no.	In Situ Enviro Care and NABET/EIA/1821/RA0070	
KML file	Sumbitted	
Seismic zone	III	

**3. Category details:**

Category of the project	A
Provisions	EIA Notification, 2006
Mining lease Area (MLA) (in ha.)	12.27 Ha
Additional information (if any)	General condition: Barda wildlife sanctuary is present at 4.02 Km in NW direction and 112.21 meters from ESZ

**4. Recommendation of the Committee:** The Project Proponent vide E-mail dated 26.06.2021 sought deferment of the proposal due to medical reasons. The annexures uploaded on Parivesh portal with the EIA/EMP report is not legible due to which many important documents were unable to be examined. Also, a sensitive matter of Barda Wildlife Sanctuary is involved. Therefore, the Committee **deferred** the proposal.

**1.2 Proposal for Terms of Reference of Limestone mine with the total excavation of 14, 00, 000 TPA (Total Limestone production - 10,00,000 TPA, SMS grade -1,00,000 TPA, Cement grade- 9,00,000 TPA), Interburden (IB) - 23,860 TPA, Top Alluvium (OB)-42,804 TPA, Sub Grade/Mineral Reject- 3,33,335 TPA) along with 750 TPH Crusher with Vibrating Screen 14,00,000 TPA on the mine lease area 515.20 ha located at Village: Parewar, Tehsil & District Jaisalmer, Rajasthan by M/s Wonder Cement Limited - [Proposal no: IA/RJ/MIN/205768/2021; File No. IA-J-11015/25/2021-IA-II(M)] - Terms of Reference (ToR)**

**1. EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting (Non coal mining)
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

**2. Project details:**

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Name of the Project	Parewar "b" limestone mine (ML Area – 515.20 Ha) of with proposed total excavation -1400000 TPA, Total Limestone production - 10,00,000 TPA (SMS grade - 1,00,000 TPA, Cement grade- 9,00,000 TPA), Interburden (IB) - 23,860 TPA, Top Alluvium (OB)- 42,804 TPA, Sub Grade/Mineral Reject-3,33,335 TPA along with 750 TPH Crusher with Vibrating Screen.	
Location	Village	Parewar
	Tehsil/Taluka	Jaisalmer
	District	Jaisalmer
	State / UT	Rajasthan
	Latitudes	27°17'31.76919"N : : 27°20'9.53770"N
	Longitudes	70°44'4.48756"E : : 70°44'49.75482"E
	Sol Topo sheet No.	40 I/11
Company Name	M/s Wonder Cement Ltd.	
Accredited Consultant Organisation and its certificate no.	Udaipur Min- Tech Pvt. Ltd. NABET/EIA/1720/SA 092	
KML file	Submitted	
Seismic zone	II	

**3. Category details:**

Category of the project	A
Provisions	EIA Notification SO 1533 dated 14 Sep 2006
Mining lease Area (MLA) (in ha.)	515.20 Ha

**4. ToR Details**

ToR Proposal No.	IA/RJ/MIN/205768/2021
Online application date for Form-I	24 <sup>th</sup> March 2021
Documents submitted	Form 1, PFR, approved mining plan
EAC meeting date	28 <sup>th</sup> June 2021
Production capacity(TPA)	Limestone : 10,00,000/- TPA (SMS grade -1.0 Lac, Cement grade- 9.0 Lac )
Top Alluvial(Sandy Soil as O/B)	0.43/- Lac TPA
Waste	Interburden (I/B)-0.24 Lac TPA
Others	Sub Grade/Mineral Reject-3.33 Lac TPA
Total Excavation	14,00,000/- TPA (ROM)

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Crusher	750 / Tonnes per Hour
Life of mine	Cement grade – 123 Years SMS grade – 38 Years

**5. Lease Detail**

Application for the Mining lease	Auction Block by Govt. of Rajasthan	
	LOI Letter No.	P.3(4)Khan/Gr.-2/2020
	LOI Date	25 <sup>th</sup> Jan. 2021
Area granted in LOI	515.20 Ha	

**6. Mining plan**

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	584 (4) (3) (1867)/ 2021- KHANI-AJM
	Date	27 <sup>th</sup> May 2021
<b>Mining Parameters</b>	<b>Quantitative Description</b>	
Bench Height	3.5-6.0m	
Bench width in m (Operational stage)	15-20m	
Bench width in m (Final closing stage)	3.5-6.0m	
Method of Mining	Fully Mechanized Open Cast method	
Individual bench slope	85°	
Overall pit slope	45°	
Drilling/Blasting	180 m per day & 26 holes per day blast	
RoM output size	+10 mm & 30-80 mm	
Transportation details	Transportation from mine pit to crusher will be done by dumpers and crusher to Industries (steel plant/cement plant ) by rail/road	
Dumpers capacity	20.00 Tonnes	

**7. Land Area Breakup**

Private land	32.00 ha.
Government land	483.20 ha.
Total Mining lease area (MLA)	515.20 ha.
Private land for crusher, workshop & other infrastructure outside the MLA	N.A. (Proposed crusher along with vibrating screen be setup within the mining lease area)

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

Particulars	Details
Nearest Town	Parewar (4 Km) /Jaisalmer (52Km)
Nearest Airport	Jaisalmer Airport (68 km)
Nearest Highway	SH 68 (12 Km West) & NH-15 (58 Km South)
Nearest Railway Station	Jaisalmer (52 km)

### 9. Water requirement

Total water requirement	150.00 KLD	Fresh water	150 KLD
		Treated water	Nil
Source	The sources of water i.e.Indira Gandhi Nehar project / Ramgarh Canal		
Permission	Applied for Permission from Indra Gandhi Canal Circle, Jaipur (Raj.)		

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

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

### 11. Green belt/plantation details

Proposed area for green belt/plantation	170 hect.(at the end of life of mine) 170 ha = ( 97.0 ha Mined out benches, 15.0 ha Alluvium Dump, 8.0 ha IB dump(Face Reject) & 50 ha barren land
Budget for green plant & plantation till the end of life of mine.	Capital cost : 25 lac Recurring cost: 16 lac
Budget for nursery	5 lac

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	5.00
50 m safety zone of nallah, roads, electric lines	NA
500 m safety zones of nearest habitation villages	NA

### 12. Court case details

Court Case	No
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### 13. Affidavit/Undertaking details

Affidavit/Undertaking	PP submitted affidavit cum undertaking dated 23.06.2021 stating to comply all
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	statutory requirement and common cause judgment dated 02.08.2017.
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**14. Details of the EMP**

Rupees in Lakh		
Particulars	Capital	Recurring
Installation of Bag Filter in crusher, transfer points and close conveyor belt	40	5.0
Water sprinkler in crusher, transfer points and belt conveyors	5.0	1.0
Truck mounted water sprinkler	30	1.0
Plantation for Greenbelt	5.0	15.0
Drip irrigation system for greenbelt.	20.0	1.0
Rainwater harvesting	10.0	1.0
Environment monitoring lab along with monitoring equipment's	40	5.0
Environmental Monitoring	-	7.0
Miscellaneous	10	2.0
<b>Total</b>	<b>160</b>	<b>38</b>

**15. Details of project cost and employment:**

Particulars	Details
Project Cost	35.27 Crore
Employment	Total Manpower is required about 23 No. Management & Supervisory Personnel, 75 No. skilled & 32 No. Unskilled labour will get employment.

**16. Observation of the Committee:** The Committee observed that water will be drawn from Indira Gandhi Canal for the purpose of mining for which permission is awaited from the concerned authority. The Committee also observed that the area experiences many sand storms. PP submitted during the presentation that it is an e-auctioned mine.

**17. Recommendation of the Committee:** After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting on 28<sup>th</sup> June, 2021 to 1<sup>st</sup> July 2021 **recommended** the proposal for Terms of Reference of Limestone mine (Auction Block) with the total excavation of 14, 00, 000 TPA (Total Limestone production - 10,00,000 TPA, SMS grade -1,00,000 TPA, Cement grade- 9,00,000 TPA), Interburden (IB) - 23,860 TPA, Top Alluvium (OB)-42,804 TPA, Sub Grade/Mineral Reject- 3,33,335 TPA) along with 750 TPH Crusher with Vibrating Screen 14,00,000

TPA on the mine lease area 515.20 ha located at Village: Parewar, Tehsil & District Jaisalmer, Rajasthan by M/s Wonder Cement Limited along with the following specific conditions:

- 1) Dust control monitoring at all villages and more focus on Parewar village must be incorporated in the EIA/EMP report. Also all along the route from mine site and sample site baseline data to be generated and incorporated for noise, dust and vehicular emissions including Hydrocarbons, Nitrogen, Oxygen etc.
- 2) Water will be drawn from Indira Gandhi Canal for the purpose of mining; also explore possibility of gaining more water for villages for the agricultural practices. Consultation to be done so that agricultural practices can be stand in.
- 3) Looking at the sand storms, PP needs to incorporate the protection measures proposed to protect the emissions from dump.
- 4) Modeling for noise, vibration, and dust at the site as well as along the road for dust and vehicle emissions to be incorporated in the EIA/EMP report. Since a road has been proposed at the mining site of 12 km length, the construction should be as per the guidelines issued by the Ministry. An impact of road construction should also be incorporated in the EIA/EMP report.
- 5) Details of equipments used for transport and storage and its potential impact along with the fuel used needs to be incorporated. Since the PP is proposing 300 working days and total annual production is 14, 00,000 tonnes, normative and peak scenario be generated for extraction upto 1/10 capacity for assessing the impacts.
- 6) Use of electrical machines and vehicles at the site should be explored and encouraged to be used instead of using diesel equipments.
- 7) Address the impacts of waste/rejects and inter-burden at the site due to generation of dust. Generation of dust during crushing operation and its quantification is also to be addressed in the EIA/EMP report.

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

**1. EAC Meeting Details:**

EAC meeting	32nd EAC Meeting (Non coal mining)
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July,2021

**2. Project details:**

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

**3. Category details:**

Category of the project	A
Provisions	EIA Notification, 2006
Mining lease Area (MLA) (in ha.)	16.18 Ha
Additional information (if any)	General condition exists: Protected areas notified under the wildlife (Protection) Act, 1972
Production capacity	1,24,032 TPA

**4. Recommendation of the Committee:** The Project Proponent did not attend the meeting and no prior notice was received by the Ministry. No presentation and required documents have been provided by the project proponent. Also, a sensitive matter of Barda Wildlife Sanctuary is involved. Therefore, the Committee **deferred** the proposal.

**1.4 Proposal for Terms of Reference for Iron Ore Production from 1.60 to 3.85 MTPA with total excavation of 20.3199 MTPA (ROM (Mn Ore & Iron Ore) + Waste +**

**Top Soil) along with proposed 2.0 MTPA Ore Beneficiation Plant, Down Hill Conveyor System & 1.85 MTPA Crushing & Screening Plant by M/s Sandur Manganese And Iron Ores Ltd. (MLA: 1860.10 Ha) located at Swamymalai and Ramanamalai forest blocks at Deogiri, Kammaturu, Subbarayanahalli & Ramgad Villages, Sandur Taluka, Ballari District, Karnataka - [Proposal no: IA/KA/MIN/215583/2021; File No. IA-J-11015/45/2021-IA-II(M)] - ToR**

**1. EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July,2021

**2. Project details:**

Name of the Project	The Sandur Manganese & Iron Ores Ltd. (MLA 1860.10 Ha.) for Increase of Iron Ore Production from 1.60 to 3.85 MTPA with Total Excavation of 20.3199 MTPA (ROM (Mn Ore & Iron Ore) + Waste + Top Soil) Along with Proposed 2.0 MTPA Ore Beneficiation Plant, Down Hill Conveyor System & 1.85 MTPA Crushing & Screening plant.	
Location	Village	Deogiri, Subbarayanahalli, Ramgad & Kammuthuru Villages
	Tehsil/Taluka	Sandur
	District	Bellary
	State / UT	Karnataka
	Latitudes	14°58'38.11"N-15°5'43.77"N
	Longitudes	76°28'8.41"E-76°39'13.93"E
	Sol Topo sheet No.	57-A/8,57-A/12 and 57-B/9.
Company Name	The Sandur Manganese & Iron Ores Limited.	
Accredited Consultant Organisation and its certificate no.	B.S. Envi – Tech Pvt. Ltd NABET/EIA/1922/RA 0174	
KML file	Submitted	
Seismic zone	II	

**3. Category details:**

Category of the project	'A'
Provisions	Expansion under EIA Notification 2006
Mining lease Area (MLA) (in ha.)	1860.10 Ha

**4. ToR Details:**

ToR Proposal No.	IA/KA/MIN/215583/2021 - 17 Jun 2021 No.IA/KA/MIN/90857/2019 - 15 February 2019 No.IA/KA/MIN/ 207508/2021 - 01 April 2021
Online application date for Form-I	17 Jun 2021
Documents Submitted	Form-1, Pre-Feasibility Report Proposed Terms of Reference Covering letter Approved Mining Plan
EAC meeting date	25 <sup>th</sup> March 2019
ToR Letter No.	System generated TOR was granted by MoEFCC vide letter no IA-J-11015/19/2019-IA-II(M) dt 24 Feb 2020 (Proposal No.IA/KA/MIN/90857/2019)
ToR grant Date	24.02.2020 (system generated)
Production capacity	Increase of Iron ore Production from 1.60 to 3.85 MTPA
Soil	0.113 MTPA
Waste	Waste - 13.8039 MTPA Haematitic Siliceous Ore (waste) - 0.699 MTPA
Others	Proposed 2.0 MTPA Ore Beneficiation Plant, Down Hill Conveyor System
Total Excavation	20.3199 MTPA
Crusher	1.85 MTPA Crushing & Screening plants (Stationary & Mobile).
Previous EC details	Environmental Clearance was obtained from MoEF&CC vide letter No.110015/96/2006-IA.II (M) dated 24.01.2007 for 0.55 MTPA Manganese Ore production and 1.60 MTPA Iron Ore production from the MLA of 1863.02 ha (Mining Lease No.1179/2580/2678).

**5. Lease Detail**

State Government granted Prospecting License	Mining Lease granted on 01.01.1954 for an area of 7511 Ha.
Application for the Mining lease area and Date	1953
Additional information(if any)	<ul style="list-style-type: none"> <li>• Initial Mine Lease:01.01.1954 for a period of 20 years, valid up to 31 December 1973</li> <li>• First Renewal of Mine Lease: For 20 years valid up to 31 December 1993.</li> <li>• Second Renewal of Mine Lease: For another</li> </ul>

	<p>period of 20 years, valid up to 31 December 2013</p> <ul style="list-style-type: none"> <li>• Third Renewal of Mine Lease: Renewed and Mining lease executed w.e.f., 1 January 2014 for period of 20 years valid up to 31 December 2033</li> </ul>
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## 6. Mining plan

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	IBM Lr. No. 279/281/91/BNG/805 (Period : 2018-19 to 2022-2023)
	Date	05.10.2018
<b>Mining Parameters</b>	<b>Quantitative Description</b>	
Bench Height	7.5 meters	
Bench Width	More than 7.5 m	
Method of Mining	<b>Manganese Ore production</b> - Mechanized as well as Manual. <b>Iron Ore production</b> - fully mechanized method	
Individual bench slope	70 <sup>0</sup>	
Overall pit slope	Less than 45 <sup>0</sup>	
Drilling/Blasting	Deep- hole drilling & blasting and use of HEMM with Excavator & dumper combination.	
RoM output size	0-100mm	
Transportation details	By Tipper/Lorry. (under this proposal, downhill conveyor is proposed and work is in progress as per the directions of the Hon'ble Supreme Court vide Order dated 7 December 2018)	
Dumpers capacity	Tippers with capacity 16 to 21 Tonnes	

## 7. Land Area Breakup

Government land	Revenue area - 247.38 Ha Forest area - 1612.72 Ha (Forest Clearance obtained)
Total Mining lease area (MLA)	1860.10 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

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

Particulars	Villages	Directions
Nearest Village	Kammathuru - Adjacent	N(NE)
Nearest town	Sandur - 22 Km	NNW
Nearest Highway	State Highway - (SH-40) - Toranagallu - Kudligi - 1.3 km	NW

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Nearest Railway station	Swamihalli RS - 1.1 km	S
Nearest water bodies	Dodda Halla - 1.8 km Nari Halla - 2.7 km	S NNE

**9. Water requirement**

Total water requirement	Present consumption: 1225 m <sup>3</sup> /day Additional -3000 m <sup>3</sup> /day
Source	Bore wells within the mining lease area
Permission	Obtained NOC from Karnataka Ground Water Authority

**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	Forest Clearance was obtained from MoEF&CC vide letter no: F.No - 8-17/94-FC on 14.03.2007 for an area of 1615.64 ha of Forest Land involved in the Mining Lease area.
National park	No	
Wildlife Sanctuary & Forest	No	
Eco Sensitive Zone	1) Daroji Sloth Bear Sanctuary – 20.1 km – NNE 2) Gudekote Bear Sanctuary – 17.0 km – SSE	Copy of Authenticated Map from PCCF, Karnataka has been submitted

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Indian Sloth Bear, Four-horned Antelope, Indian Leopard, Indian Pangolin
Additional information	-	Wildlife conservation plan has been approved

**11. Green belt/plantation details**

Proposed area for green belt/plantation	361 Ha
Budget for green plant & plantation till the end of life of mine.	448 Lakh
Budget for nursery	Already exists
Additional information (if any)	-
<b>Particulars for Green belt/plantation</b>	<b>Area covered (in Ha)</b>
7.5 m barrier & non-mineralized zone	53.00
50 m safety zone of nallah, roads, electric lines	Not Applicable
500 m safety zones of nearest habitation villages	Not Applicable

**12. Court case details**

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

Particulars	Letter no. and date
Certified EC compliance report	Certified Compliance of EC obtained on 03.10.2018 from MoEFCC, Regional Office, Bangalore (Date of Site Visit by RO, MoEF: 14.08.2018)
Certified past production	Past production details authenticated by DMG, Government of Karnataka has been submitted vide letter no. DMG/DDH/ML/2018-19 dated 8 <sup>th</sup> June 2019

**14. ADS details**

S.No.	ADS Point	Reply
<b>Email from MOEFCC 12.04.2019 seeking additional information: 29.04.2019(ADS - 1)</b>		
1	The Committee observed that there is a discrepancy in the total excavation details. PP mentioned in the Form-I that the Total Excavation of 20.30 MTPA (ROM (Mn Ore & Iron Ore) + Waste + Top Soil), however, the Committee noted that the total excavation is 20.3199 MPTA from the pre-feasibility report and the presentation made by PP. PP needs to resubmit the total excavation details as well as the pre-feasibility report.	Revised Form – I as per PFR for the total excavation of 20.3199 MPTA has been submitted on 29 April 2019.
2.	The Committee observed during presentation that the original lease deed was made on 01.01.1954 and valid up to 31.12.1973 and noted that the PP has not submitted the original lease deed made on 01.01.1954.	Original lease deed dated 01.01.1954 submitted on 29 April 2019.
<b>Email from MOEFCC 10.06.2019 seeking additional information : 27.06.2019 (ADS - 2)</b>		
1	Copy of EC for one stationary crushing and screening plant of capacity 160 TPH & Seven numbers of mobile iron ore	The EC accorded by the Ministry of Environment, Forests and Climate Change (MoEFCC) vide letter dated 24 January 2007 under File No.110015/96/2006-IA.II(M), for

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	<p>crushing and screening plant of capacity 250 TPH at ML No.2678 (Old ML No.2580)</p>	<p>production of 1.60 Million Tonnes Per Annum (MTPA) of Iron Ore and 0.55 MTPA of Manganese Ore from Mining Lease No.2678 (Old No.2580 and Older No.1179) has been submitted.</p> <p><i>“There will be ore processing plants within the mining lease area, which will essentially be limited to crushing and screening. No wet processing is involved.....”</i></p> <p>In accordance with the said EC accorded by the MoEFCC, we have been operating the crushing and screening machines by obtaining Consent for Establishment/Expansion (CFE) and Consent for Operation (CFO) from the Karnataka State Pollution Control Board. Copies of CFE dated 13 January 2017 and CFO dated 5 April 2018 have been submitted.</p>
<p>2</p>	<p>Details of mine lease area possessed by M/s SMIORE since inception.</p>	<p>The mining lease over an area of 29 square miles (7,511 hectares) originally granted by the erstwhile Ruler of Sandur State to the Belgian Company called General Sandur Mining Company was transferred in favour of ‘The Sandur Manganese &amp; Iron Ores Limited’ (SMIORE) with effect from 1 January 1954 with Mining Lease No.190. At the time of its first renewal with effect from 1 January 1974, iron ore bearing area of about 9 square miles was proposed to be reserved for public sector exploitation and accordingly the balance area of 20 square miles was to be renewed. However, during the physical demarcation, only an area of 16.74 square miles (4,337 hectares) was granted under renewal with Mining Lease No.1179. Since it was found that manganese ore bearing area of 1.46 square miles (378 hectares) was also inadvertently deleted during renewal, the same was granted under a separate Mining Lease No.1952 with effect from 1 January 1974. Thereafter, SMIORE surrendered 1500 hectares during 1993. Considering the effective utilization of area for its mining operations, SMIORE has further reduced and</p>

		<p>actually taken an area of 1860.10 hectares under Mining Lease No.2580 (Old No.1179) and an area of 139.20 hectares under Mining Lease No.2581 (Old No.1952) with effect from 1 January 1994 which have now been renewed as Mining Leases No.2678 and 2679 respectively with effect from 1 January 2014 and are valid up to 31 December 2033. Copies of Mining Lease Deeds pertaining to Mining Leases No.2678 and No.2679 are submitted.</p>
3	Copy of all approved mining plan	<p>Further to the Mining Plans approved by the Indian Bureau of Mines (IBM) on 9 September 2005 and submitted to MoEF&amp;CC, on the basis of which EC was accorded on 24 January 2007, Mining Plans have been approved by the IBM on the following occasions:</p> <ul style="list-style-type: none"> <li>a) 28 September 2006 : Renewal of Scheme of Mining</li> <li>b) 23 June 2009 : Submitted to MoEFCC for seeking enhancement of iron ore production from 1.60 to 3.85 MTPA</li> <li>c) 9 December 2010 : Renewal of Scheme of Mining</li> <li>d) 15 January 2013 : Resumption of operations in accordance with directions of Hon'ble Supreme Court vide Order dated 3 September 2012 at the reduced levels of production</li> <li>e) 11 December 2013 : Renewal of Mining Lease under Mines &amp; Minerals (Development &amp; Regulation) Act, 1957</li> <li>f) 01 September 2015 : Establishment of Reserves in compliance with United Nations Framework Classification (UNFC) Guidelines issued by IBM</li> <li>g) 19 August 2016 : Restoration of iron ore production as per the approval of Central Empowered Committee (CEC) constituted by the Hon'ble Supreme Court</li> <li>h) 7 December 2017 : Renewal of Scheme of Mining</li> <li>i) 5 October 2018 : Submitted to MoEFCC for seeking enhancement</li> </ul>

		Copies of all the aforesaid nine approvals of Mining Plans along with relevant pages containing reserves and production details have been submitted.
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**15. Details of project cost and employment:**

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	10.0
Budget for addressing the Public Hearing issues	0.60
Total Cost for EMP	Rs 10.6 Crores
Recurring Cost for EMP	Rs 1.03 Crores
Project Cost	200 Crores
Employment	Present manpower : 2034 Additional Manpower : 852

**16. Observation of the Committee:** The Committee observed that the proposal is for additional ToR to the system generated ToR. The public hearing already had been conducted on 30.04.2010 as per the scope indicated. Earlier the proposal was considered before EAC(non-coal) on 25.03.2019 for TOR, the relevant minutes are reproduced below:

“The PP submitted that the Ministry has accorded EC to M/s. Sandur Manganese and Iron Ores Ltd., vide letter no. J-11015/96/2006-IA-II (M) dated 24.01.2007 for Sandur Manganese Ore from 0.275 MTPA to 0.55 MTPA and iron ore from 0.3 MTPA to 1.60 MTPA and increase in ML area from 877.28 ha to 1863.02 ha (ML 1179). The EC also mentioned that the life of the manganese ore mine is 28 years and iron ore mine is 5 years. The PP submitted that the expansion proposal comprises increase of iron ore production from 1.60 to 3.85 MTPA with manganese production retained at 0.55 MTPA. Total excavation is estimated to be about 20.30 MTPA (ROM (Mn Ore & Iron Ore) + Waste + Top Soil). Based on the presentation made by PP, the Committee deliberated the project and observed that the validity of previous EC dated 24.01.2007 for mining of iron ore is 5 years only and it is valid up to 23.01.2012. Now, the PP applied for expansion of iron ore mining, so, the Committee observed that there is no iron ore as the life of the mine for iron ore is 5 year. The PP presented that the mining was suspended by Supreme Court in the year of 2011 and then revoked the earlier suspension in the year 2012 and the mining activity was resumed on 24 January 2013. However, the Committee reiterated that the validity of EC for iron ore mining is completed and Committee also observed from the past production details that the PP is carrying out the iron ore mining till date. Thus, the Committee deferred the project proposal and the Committee is of the view that the PP carried out mining activity from 23.01.2012 to till date without valid EC. Thus, the Committee is of the view that such

project may be appraised as per the provisions of the violation Notification issued by the MoEF&CC vide S.O. 804 (E) dated 14th March 2017. However, the window for submission of application under violation category is closed. The Ministry may take further necessary action on violations. EAC also suggested the Ministry to take appropriate legal opinion from the policy division”. Further Ministry examined the proposal, wherein the proposal falls under violation.

**17. Recommendation of the Committee:** The EC was issued in 2007 after the appraisal under para 12 & issued under EIA notification 2006. After the last deliberations in the EAC meeting held on 25-3-2019, the matter regarding such cases were examined by policy committee & thereafter Ministry has circulated OM dated 20-12-2019 clarifying that the EC granted under para 12 (which is a part of EIA Notification 2006) are to be considered under EIA notification 2006 only. Accordingly, provisions of EIA notification 2006 shall be applicable for the projects in which EC has been granted under para 12 of the EIA notification including validity of such ECs. In view of this Current EC needs to be regularized under para 12 before the consideration of TOR. Ministry may take needful action in this regard. After detailed deliberations made by the Project Proponent and the Consultant, the Committee during its meeting on 28<sup>th</sup> June, 2021 to 1<sup>st</sup> July 2021 **deferred** the proposal and sought the following information as follows:

- I. Past production details duly certified by DMG,
- II. PP should submit details of block wise mineable & geological reserves.
- III. Life of Mine depending on the data available to be mentioned.

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

**1. EAC Meeting Details:**

EAC meeting	32nd EAC Meeting (Non coal mining )
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

**2. Project details:**

Name of the Project	Proposal for Environment Clearance for Virpur Bauxite Mining Project with the production capacity of 40,480 TPA (MLA: 4.6461 Ha)
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Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Location	Village	Virpur
	Tehsil/Taluka	Kalyanpur
	District	Devbhumi Dwarka
	State / UT	Gujarat
	Latitudes	22°16'1.70" N - 22°16'2.70" N
	Longitudes	69°19'10.90"E - 69°19'17.30" E
	Sol Topo sheet No.	F43H1- new reference no. (46F/1-old reference no.)
Company Name	M/s Carborandum Universal Ltd.	
Accredited Consultant Organisation and its certificate no.	In Situ Enviro Care and NABET/EIA/1821/RA0070	
KML file	Submitted	
Seismic zone	IV	

**3. Category details:**

Category of the project	A
Provisions	EIA Notification, 2006
Mining lease Area (MLA) (in ha.)	4.6461 Ha
Additional information (if any)	General condition: Marine Sanctuary is present at about 2.8 Km in North West direction. As per the distance certificate from DFO, the site is outside the ESZ and having 32.0 mt. from the ESZ boundary.

**4. Recommendation of the Committee:** The Project Proponent vide e-mail dated 26.06.2021 sought deferment of the proposal due to medical reasons. Therefore, The Committee **deferred** the proposal.

**1.6 Proposal for Terms of Reference of Chikla Manganese mine with expansion in production 1,80,000 MTPA to 3,97,650 TPA (RoM) in the MLA of 150.65 Ha located at Village Chikla, Yedurbuchi and Sitasaongi, Tehsil: Tumsar, Distt: Bhandara, Maharashtra by M/s MOIL Limited [Proposal no. IA/MH/MIN/192471/2021; File No. IA-J-11015/46/2021-IA-II(M)]- ToR**

**1. EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> Meeting of EAC
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

**2. Project details:**

Name of the Project	Chikla Manganese Mine	
Location	Village	Chikla, Yedurbuchi and Sitasaongi
	Tehsil/Taluka	Tumsar
	District	Bhandara

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	State / UT	Maharashtra
	Latitudes	21° 31' 56.45"N to 21° 33' 3.72"N
	Longitudes	79° 44' 30.11"E to 79° 46' 9.13"E
	SoITopo sheet No.	55 O/10 and 55 O/14
Company Name	M/s MOIL Limited	
Accredited Consultant Organisation and its certificate no.	Wolkem India Limited. NABET/EIA/1821/SA103, VALID TILL 03/08/202	
KML file	Yes, Attached	
Seismic zone	II	

**3. Category details:**

Category of the project	Category A - 1(a)
Provisions	EIA Notification, 2006
Mining lease Area (MLA) (in ha.)	150.65 Ha (Forest area 70.07 ha +Government land 74.20 Ha + Private Land 6.38 ha)

**4. ToR Details**

ToR Proposal No.	IA/MH/MIN/192471/2021
Online application date for Form-I	19 <sup>th</sup> May,2021
Documents Submitted	Form-1, PFR
EAC meeting date	28 <sup>th</sup> June,2021
ToR Letter No.	Not applicable
ToR grant Date	Not applicable
Production capacity	Enhanced production capacity from 1,80,000 TPA from underground to 3,97,500 TPA [from Underground (187500 TPA), Opencast (180000 TPA)and dump working (30000 TPA)] of Manganese Ore.
Soil	The top Soil is available here and there. The top soil will be stored separately in top soil dumps. This top soil will be used for plantation of new sapling on hill side and it will spread wherever sapling will be planted during mining operation.
Waste	1 <sup>st</sup> five-year plan after grant of EC. Underground: 35092 m <sup>3</sup> , this waste will be generated from underground and 80% of the waste will be utilized for reclamation of stope.  Opencast: 14,40,000 m <sup>3</sup> the overburden dumps will be terraced and stabilized with saplings.

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	Dump working: 4,06,530 m <sup>3</sup> will be handled from dumps BD1,2&3. The demineralized area will be planted with saplings.
Others	Excavation of Manganese ore for 1 <sup>st</sup> five years:  Underground- (187500T/3) x 5 = 312500 m <sup>3</sup> Opencast – (180000T/3 ) x 5 = 300000 m <sup>3</sup> Dump – (30000T/3) x 5 = 50000 m <sup>3</sup>
Total Excavation	1 <sup>st</sup> five-year plan after grant of EC. Underground: waste 35092 m <sup>3</sup> + 312500 m <sup>3</sup> = 3,47,592 m <sup>3</sup>  Opencast: 14,40,000 m <sup>3</sup> + 300000 m <sup>3</sup> =17,40,000m <sup>3</sup>  Dump working: 4,06,530 m <sup>3</sup> + 50000 m <sup>3</sup> =4,56,530 m <sup>3</sup> Grand total: 25,44,122 m <sup>3</sup>
Crusher	40 HP, 35TPH existing capacity will be enhanced

**5. Lease Detail**

Application for the Mining lease area and Date	150.65 Ha, initially granted on 10.07.1962 for a period up to 30.06.1982. First Renewal granted for a period up to 30.06.2002. Second Renewal granted for a period up to 30.06.2022.
Application for the Mining lease Date	150.65 Ha, application for further extension of mining lease for 20 years is submitted vide letter no. GM(Mines-PIng)/Chikla/RMN/2020-21/148 dated 06.10.2020 under Rule 3(2) of Mineral (Mining by Government Company) Rule 2015.
Additional information	Director, Directorate of Geology and Mining, Govt. of Maharashtra, Nagpur has recommended for grant of extension of Mining lease for 20 years. Waiting for extension from Industries Energy and Labour department, Mantralaya, Mumbai.

**6. Mining plan**

Mining Plan(approved by Indian Bureau of Mines/DMG) (2002-03 to 2006-07)	Letter No.	BHD/MN/MPLN-262/NGP
	Date	30.05.2003.
1 <sup>st</sup> Scheme of mining (2007-08 to 2011-12)	Letter No & Date	314(3)2008-MCCM/S-1 Date 22/07/2008
2 <sup>nd</sup> Scheme of mining (2012-13 to 2016-17)	Letter No & Date	BHD/MN/MPLN-262/NGP Date 02/05/2013
3 <sup>rd</sup> Scheme of mining (2017-18 to 2021-22)	Letter No & Date	BHD/MN/MPLN-262/NGP-2017 on date 30/06/2017,
<b>Mining Parameters</b>	<b>Quantitative Description</b>	

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Bench Height	6 Meters
Bench Width	10 Meters
Method of Mining	Open cast Proposed Underground Expansion and Dump Mining Proposed.
Individual bench slope	60°
Overall pit slope	33°
RoM output size	250 mm x 250 mm
Transportation details	<p>Underground Mining</p> <ol style="list-style-type: none"> <li>1. From face to pit bottom or loading point :- Tub of 24 cft will be transported by battery operated locomotives.</li> <li>2. From pit bottom to surface: - By cage of vertical shaft by Tub of 24 cft</li> <li>3. From surface to end use plant: - Tub of 24 cft will be push manually from vertical shaft to crushing plant.</li> <li>4. Safety features provided on conveyor/ haulage track/ roadway:- Sufficient lighting is provided in haulage road, crosscut at an interval of 30 Mtrs. which may be used as manhole in haulage road.</li> </ol> <p>Open Cast Mining :-</p> <ol style="list-style-type: none"> <li>1. From workshop to opencast/dump site Transportation of ore and rock will be done by 10 – 25 tonner rear dumpers.</li> </ol>
Dumpers capacity	10 – 25 tonner rear dumpers

**7. Land Area Breakup**

Private land	6.38 Ha
Government land	74.20 Ha
Total Mining lease area (MLA)	150.65 Ha
Additional information(if any)	Forest Land 70.07 Ha

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

Particulars	Villages/ Distance	Directions
Gobarwahi Railway Station	Gobarwahi	SW
SH54	1.62 km	W
SH251	10.24 km	SW
Dr. Babasaheb Ambedkar International Airport ,Nagpur	88 KM	SW
Town Gobarwahi	5 km	SW
Bawanthari River	4.83 Km	NE

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Ambagarh Nadi	9.98 Km	SSW
Ambamai Nala	9.90 Km	SW
Dhoriya Nala	6.94 Km	SW
Blloni Nalla	5.84 Km	NNE
Chandpur Talab	2.92 Km	SE
Chandpur Nadi	7.82 Km	SE
Chandpur Left Bank Canal	9.12 Km	SE
Chandpur Right Bank Canal	7.30 Km	SE
Sitasaongi populated area	0.54 Km	S

**9. Water requirement**

Total water requirement	170 KLD	Fresh water	100 KLD
		Dewatering	70 KLD
		Treated water	NIL
Source	Ground water		
Permission	NOC from CGWA obtained vide letter no CGWA/NOC/MIN/ORIG/2019/6208 dated 17/10/2019 valid till 24/09/2021 for 170 KLD. Ground water required Fresh water (100 KLD) and dewatering (70 KLD).		

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

Forest Area/Environmental Zone	Land/Protected Sensitivity	Yes/No	Details of Certificate/letter/Remarks
Forest Land		Yes, 70.07 Ha	Forest Clearance to 70.07 Ha of revenue forest has been granted by Ministry of Environment and Forests, New Delhi vide their Letter No 8-51/99-FC dated 24.10.2000.
National park		NIL	
Wildlife Sanctuary & Forest		NIL	

**Availability of Schedule-I species in study area – Not Available**

**11. Green belt/plantation details**

Proposed area for green belt/plantation	7.91 ha.
Budget for green plant& plantation till the end of life of mine.	Rs. 64 lakhs
Budget for nursery	Not applicable
Additional information (if any)	At present around 64.18 ha. Around 431306 saplings have been planted till date.

<b>Particulars for Green belt/plantation</b>	<b>Area covered (in Ha)</b>
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Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

7.5 m barrier & non-mineralized zone	7.91 ha.
50 m safety zone of nallah, roads, electric lines	There is no nallah in the lease, however avenue plantation has been done in mine.
500 m safety zones of nearest habitation villages	Not applicable
Additional information (if any)	-

**12. Court case details**

Court Case	No
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**13. Affidavit/Undertaking details**

Affidavit/Undertaking	An affidavit has been submitted vide dated 21 <sup>st</sup> June 2021 by the PP.
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**14. Previous EC compliance and production details:**

Particulars	Letter no. and date
Certified EC compliance report	EC compliance report has been submitted by PP to R.O. Nagpur vide letter dated 19.05.2020.
Certified past production	Past production details from 1993-94 to 2019-20 has been certified by DGM, Nagpur vide letter dated 25 <sup>th</sup> Sep, 2020

**15. Details of the EMP (Proposed)**

Activities	Capital Cost (Rs.In Lakhs)	Recurring (Rs. In Lakhs)
Promoting education	40.0	3 Lakhs /year
Health care	30.0	4 Lakhs /year
Skill development and livelihood	20.0	3 Lakhs /year
Sanitation & drinking water supply	30.0	3 Lakhs /year
Rural development	50.0	5 Lakhs /year
Environment care	80.0	10 Lakhs /year

**16. Details of project cost and employment:**

Particulars	Details
Capital Cost for Environment Protection	2% of the project
Total Cost for EMP	Rs.2.50 Cr.
Recurring Cost for EMP	0.30 Cr./year
Project Cost	Rs.122.2155 Crores
Employment	919 Workers

**18. Observation of the Committee:** The Committee noted very poor presentation during the meeting. There was lack of clarity and the consultant was not able to present the facts clearly. The PP as well as consultant was not able to answer the questions raised by the EAC members during the meeting. The Committee also observed that the proposal is for expansion of production from 180000 TPA to 397650 TPA (RoM) from underground mine & mining from opencast & dumps. The projected production from opencast mine is 1, 80,000 metric tons per year. During the meeting PP could not explain the availability of the total reserves in open cast mine as well as its life at above rate of production. This is a major part of proposed expansion; PP is advised to re-assess the quantity of reserves from open-cast mining and also the rate of production along with dump reserves & production from the dumps. Since total quantity proposed for expansion needs to reassessed and mining plan is to be revised accordingly, the proposal needs to be resubmitted.

**19. Recommendation of the Committee:** After detailed deliberations made by the Project Proponent and the Consultant, the Committee **returned the proposal in present form** for submission of fresh proposal.

**1.7: Proposal for Terms of Reference under the provision of Notification S.O. 1530(E) dated 06.04.2018 of Madukkarai Limestone Mine by M/s ACC Ltd. with Limestone Production Capacity of 0.481 MTPA and waste / topsoil 345000 M<sup>3</sup> per annum (Maximum) in the Mining lease Area 135.55 ha located at Villages: Madukkarai, Kurichi & Ettimadai, Tehsil: Madukkarai, District: Coimbatore, Tamil Nadu [Proposal no: IA/TN/MIN/81468/2018; File No. J-11015/172/2018-IA.II(M)] - ToR**

**1. EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting (Non coal mining )
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July,2021
Previous EAC details	38 <sup>th</sup> EAC meeting held during November 15-16, 2018

**2. Project details:**

Name of the Project	Proposal for Terms of Reference under the provision of Notification S.O. 1530(E) dated 06.04.2018 of Madukkrai Limestone Mine by M/s ACC Ltd. with Limestone Production Capacity of 0.481 MTPA and waste / topsoil 345000 M3 per annum (Maximum) in the Mining lease Area 135.55 ha	
Location	Village	Madukkarai, Kurichi & Ettimadai
	Tehsil/Taluka	Madukkarai
	District	Coimbatore
	State / UT	Tamil Nadu
	Latitudes	N 10°53' 54.5" to N 100 56" 20.7"

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	Longitudes	E 76°54" 16.8" to E 76°58" 19.1"
	Sol Topo sheet No.	58B/ /13
Company Name	M/s ACC Ltd.	
KML file	Submitted	
Seismic zone	III	

**3. Category details:**

Category of the project	A
Provisions	EIA Notification, 2006 under the provision of Notification S.O. 1530(E) dated 06.04.2018
Mining lease Area (MLA) (in ha.)	135.55 Ha
Additional information	The M.L. area is spread in separate blocks namely Madukkarai, South Bed, Kuruchi and Ettimadai

**4. ADS details:** ADS was generated on 22<sup>nd</sup> Nov., 2018 and PP replied on 20<sup>th</sup> May, 2021

S.No.	ADS Point	Reply		
1	PP should submit documents required as per annexure-III of agenda for examining the matter in light of common cause order dated 02.08.2017 and S.O. 804(E) dated 14.03.2017	All the documents as per Annexure-III have been attached with the ADS reply.		
2	Comparative of all the figures (Waste, O.B , land use, water requirement, etc.) mentioned in the previous EC & EIA Report and what is proposed now, details of any modification/expansion/amendment/change of scope of work/method of mining/Product mix etc. if any carried out after grant of EC	Same is mentioned below		
Figures	EIA report	Environment al Clearance	Applied application	Remark
Production	0.481 million TPA	0.481 million TPA	0.481 million TPA	No change
Waste	115.32 Lakh/tons	84.69 Lakh/tons	345000 CuM per annum (Maximum)	-
Water	29.5KL/day	53KLD	30KLD	No Change

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Land Use	Area to be excavated- 92.07ha	Area to be excavated- 92.07ha	69.63 ha upto plan period	No change
3	Details of mining lease and its renewal & documents pertaining to its transfer	The M.L. Limestone Mine was granted by the State Government on 01.09.1933 up to 30years over an extent of 415.14 acres(168Ha) in Ettimadai, Kurichi and Madukkarai Village. According to the modification the lease period was reduced to 27 years and expired on 31.08.1960. First Renewal vide G.O.No-6922, dated 13.12.1961 for a period of 20 years and expired on 30.08.1980. The 2nd renewal of mining lease was granted vide GO no-838 dated.18.07.1984 for 6 years and expired on 30.08.1986. The area granted in the 2nd renewal was 337.55Acres (136.60ha). The 3rd renewal of mining lease granted vide GO No-674, dated.22.9.1989 for a period of 10 years and expired on 30.08.1996. The area granted in the 3rd renewal was 334.82 acres (135.5ha). Application for fourth renewal of lease for further period of 20 years from 31.08.1996 is pending with state government and the mine is being operated under deemed extension upto 31.03.2030 as per the section 8A(5) of New MMDR Amendment act 2015.		
4	Details of mining plan and subsequent scheme of mining date of commencement of the mining operation.	Mine is in operation since 1933. Detailed reply has been submitted as an Annexure.		
5	Please comply with the Ministry's O.M. No. J-11015/333/2009-IA. II(M) dated 25.02.2010 in respect of authorization of person filling the form.	Same has been submitted with the ADS reply.		
6	Details of total excavation in metric tonnes need to be submitted.	The maximum excavation per annum to be handled including waste, rejects etc. is 12,59,893 metric tonnes.		
7	PP should verify the KML and submit a certificate from the DMG that mine working is confined to mining lease boundary	Same has been submitted as an Annexure. The letter will be submitted later.		

5. **Recommendation of the Committee:** The Project Proponent vide E-mail dated 24.06.2021 sought deferment of the proposal due to medical reasons. Therefore, The Committee **deferred** the proposal.

**DAY 2: 29<sup>th</sup> JUNE 2021 (Tuesday)**

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

**1. EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting (Non coal mining )
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

**2. Project details:**

Name of the Project	Proposal for Environmental Clearance for Aniali Limestone Mine with the expansion in production capacity from 43,000 TPA to 1,75,000 TPA (MLA: 21.04 ha) by M/s TATA Chemicals Limited	
Location	Village	Aniali
	Tehsil/Taluka	Rananav
	District	Porbandar
	State / UT	Gujarat
	Latitudes	21° 42' 22" to 21° 42' 33" N
	Longitudes	69° 49' 26" to 69° 49' 43" E
	Sol Topo sheet No.	207/part
Company Name	M/s TATA Chemicals Limited	
Accredited Consultant Organisation and its certificate no.	In Situ Enviro Care and NABET/EIA/1821/RA0070	
KML file	Submitted	
Seismic zone	III	

**3. Category details:**

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

4. **Recommendation of the Committee:** The Project Proponent vide E-mail dated 26.06.2021 sought deferment of the proposal due to medical reasons. Also, a sensitive matter of Barda Wildlife Sanctuary is involved. Therefore, The Committee **deferred** the proposal.

**2.2 Proposal for Amendment in Environmental Clearance for Reserve enhancement due to subsequent exploration has increased the life of mine to further 15 yrs @ 2 million TPA of limestone for Expansion of Rampara-Kukras,- Bhetali and Anandpara Limestone mining project of M/s Ambuja Cements Limited located in Villages Rampara, Kukras, Bhetali and Anandpara, Tehsil: Veraval and Sutrapada, District: GirSomnath, Gujarat – [Proposal no: IA/GJ/MIN/147006/2020; File No. J-11015/221/2008-IA.II(M)] – Amendment in EC**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021
Earlier EAC meeting details	The proposal was earlier considered in 17 <sup>th</sup> EAC (Non-coal mining) held during 28-29, May and 1st June, 2020

**2. Project details:**

Name of the Project	Proposal for Amendment in Environment Clearance for increase in life of mine from 09 years to further 15 years upto Year 2035 of Rampara, Kukras, Bhetali and Anandpara Limestone Mine, Area- 310.3290 Ha., Production Capacity- 2.45 Million TPA of M/s. Ambuja Cements Limited.	
Location	Village	Rampara, Kukras, Bhetali and Anandpara
	Tehsil/Taluka	Veraval & Sutrapada
	District	Gir-Somnath
	State / UT	Gujarat
	Latitudes	N 26°01'25.25" to N 26°05'21.63"
	Longitudes	E 74°22'16.18" to E 74°22'52.7"
	SOI Topo sheet No.	41 L/9
Company Name	M/s Ambuja Cements Limited	
Accredited Consultant Organisation and its certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur. NABET/EIA/2023/RA0183, Valid up to – 12.12.2023	
KML file	Submitted	

Seismic zone	II
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**3. Category details:**

Category of the project	A
Provisions	EIA Notification, 2006
Mining lease Area (MLA) (in ha.)	310.3290 Ha.

**4. Reason for Amendment** – Amendment in Environmental Clearance obtained from MOEF, New Delhi vide letter no. J-11015/221/2008-IA.II (M) dated 04.03.2011 for Life of mine from 09 years to further 15 years upto Year 2035.

**5. Lease Detail:**

State Government granted Prospecting Licence	Area	310.329 ha.
	Execution date	05.09.2005
	PL No.	--
Prospecting operation, Commence date	2005-06	
Letter of Intent	Mining lease has been executed on 05.09.2005	

**6. Mining plan**

Mining Plan (approved by Indian Bureau of Mines/DMG) Regional Controller of mines Gandhinagar	Letter No.	684 (4) (1)/MP-251/2019-20-GNR
	Date	21.11.2019
<b>Mining Parameters</b>	<b>Quantitative Description</b>	
Bench Height	6.0 m	
Bench Width	More than Bench Height	
Method of Mining	Open Cast mechanized method	
Individual bench slope	45 <sup>0</sup>	
Overall pit slope	80 <sup>0</sup>	
Drilling/Blasting	No drilling and Blasting	
RoM output size	2.45 million TPA	
Transportation details	Transportation of limestone to the plant will be carried out by tippers.	
Dumper's capacity (Tip – trailer)	35 MT	
Additional information (if any)	--	

**7. Land Area Breakup**

Private land	273.8017Ha. (88.23%)
Government land	4.9529 Ha. (1.59%)
Grazing Land	31.5354 Ha. (10.16%)
Total Mining lease area (MLA)	310.329 ha.

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

Particulars	Particular Name	Distance and Direction
Village	Ramapura	0.80 Km SSW
Highway	SH-6	4.40 Km, S
	SH-101	5.30 Km, E
	SH-26	7.58 Km, NW
Railway Station	Talala Junction	8.71 Km, NNW
Water Bodies	Bara Talav	2.43 Km, SE
	Sameta Talav	4.23 Km, SE
	Burha Nala	8.95 Km, E
	Makarera River	11.73 Km, NW
	Makarera Talav	10.90 Km, NW
	Gulab Sagar	7.70 Km, SSE
	Devi Sagar	10.90 Km, SE
	Arabian Sea	13.50 Km, SSW

**9. Water requirement**

Total water requirement	105	Fresh water	05 KLD Ground Water or Local Authority
		Treated water/Mine Pit Water	100 KLD Mine Pit
Source	Ground Water or Local Authority & Mine Pit		
Permission	Letter vide No. CGWA/NOC/MIN/ORIG/2020/7641 valid up to 15/03/2022		

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

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

Schedule-1	Yes/No	Details of Certificate/letter/Remarks
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<b>species</b>		
Schedule-I species	Yes	No wildlife population is present in the study area except the Pavo cristatus -Indian Peafowl. A detailed study "Status of Biodiversity (Flora & Fauna) carried out by Gujarat Institute of Desert Ecology-Kutch" and same has been submitted to concerned office of PCCF, MOEF&CC vide letter no. ACL/EMD/F16/2010/55293 dated 25.12.2010. Accordingly, measures are being taken and implemented.

### 11. Green belt/plantation details

Proposed area for green belt/plantation	<p><b>Existing Plantation-</b> Plantation has been done from the year 2006-2007 up to March' 2021 for an area of 13.6671 Ha. &amp; 41.7807 Ha covered under Pastureland/Grazing land with 26129 nos. of plants.</p> <p><b>Proposed Plantation-</b> From 2021-22 to end of the mine life; total 8.7117 ha will be covered under plantation with 17424 plants.</p>
Budget for green plant & plantation till the end of life of mine.	66.27 Lacs

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	12.53 Ha
50 m safety zone of nallah, roads, electric lines	--
500 m safety zones of nearest habitation villages	--
Additional information (if any)	--

### 12. Court case details:

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

Particulars	Letter no. and date
Certified EC compliance report	Latest Certified compliance of Environment Clearance conditions has been obtained from Regional Office of MoEF&CC, Bhopal vide letter no. 3-11/2011(Env)/172 dated 05.03.2021.
Certified past production	Letter No. GG/ML/GENERAL/544, dated-29.02.2020 (2005-06 to 2019)

### 14. ADS details - ADS Reply was submitted on 21.04.2021

S.No.	ADS Point	Reply
1	Certified EC Compliance	Latest Certified compliance of Environment Clearance conditions has been obtained from Regional Office of MoEF&CC, Bhopal vide letter no. 3-11/2011(Env)/172 dated 05.03.2021.

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

2	NOC Permission from CGWA	CGWA NoC has been granted vide letter No. CGWA/NOC/MIN/ORIG/2020/7641, Date- 16.03.2020, Valid up to 15.03.2022.
3	Approved Mining Plan	Review of mining plan has been approved by IBM, Regional Controller of mines Gandhinagar, vide letter No. 684 (4) (1)/MP-251/2019-20-GNR, Date- 21.11.2019.
4	Revised EMP	Revised EMP was submitted on 21.04.2021

**15. Details of the EMP**

S. No.	Particulars	Capital Cost (Rs. In Lacs)	Recurring Cost/Annum (Rs. In Lacs)
<b>A. Pollution Control Measures</b>			
1.	Dust Suppression & Water Sprinkling etc.) – by using of Nozzle sprinkler	--	26.0
<b>Sub-total</b>		--	<b>26.0</b>
<b>B. Green Belt Development Plan</b>			
2.	Plantation and greenbelt (17424 plants) from 2021-2025 within lease area	66.27	--
<b>Sub-total</b>		<b>66.27</b>	--
<b>Grand Total</b>		<b>66.27</b>	<b>26.0</b>

**16. Details of project cost and employment:**

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	0.6627
Budget for addressing the Public Hearing issues	NA
Total Cost for EMP	0.6627
Recurring Cost for EMP	0.26
Project Cost	70.42
Employment	152 Nos.

**17. Observation of the Committee:** The Committee observed that peripheral plantation, as committed is not completed yet. The Committee observed that out of 19 pits, only 13 pits are in operation. PP could not present a proper mine closure plan for the non-operational pits during the presentation. The Committee also observed with the help of KML file that PP has surrendered some land which is adjacent to this mine lease and no activity of plantation was carried out by the PP.

**18. Recommendation of the Committee:** After detailed deliberations made by the Project Proponent and the Consultant during its meeting on 28<sup>th</sup> June, 2021 to 1<sup>st</sup>

July2021 **recommended** the Proposal for Amendment in Environmental Clearance obtained from MOEF, New Delhi vide letter no. J-11015/221/2008-IA.II (M) dated 04.03.2011 for life of mine from 09 years to further 15 years i.e. upto year 2035 @ 2 million TPA of limestone for Expansion of Rampara-Kukras,-Bhetali and Anandpara Limestone mining project of M/s Ambuja Cements Limited located in Villages Rampara, Kukras, Bhetali and Anandpara, Tehsil: Veraval and Sutrapada, District: Gir Somnath, Gujarat along with the following specific conditions:

- 1) PP must undertake plantation in this monsoon and complete the plantation in the peripheral area within the year with 3 m sapling and 2 m x 2 m distancing and submit the report accordingly within a year to the Ministry.
- 2) Out of 19 pits, 13 pits are in operation. Therefore, PP must submit the mine closure plan for 6 pits which are not in operation and must submit the action taken within a year to the Ministry.
- 3) PP said that adjacent to mining, the surrendered mine was observed in the KML file also belongs to M/s Ambuja Cements Limited so PP must take up activity to complete the plantation in the surrendered area within a year. It is assumed that the ownership is going to mine lease owner.
- 4) The water should be utilized for the benefit of the nearby villagers. Suitable water quality must be maintained and utilize the same.
- 5) Follow the methodology given by IBM for approving mining plan and maintain the slope as well as the benches as mentioned in the approved mining plan.

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

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC meeting
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

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

2. M/s Shree Cement Ltd has made an online application vide proposal no. IA/MP/MIN/211465/2021 dated 06.05.2021 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and 2(b) Mineral beneficiation under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at the Central level.

3. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June,2021 to 1 July,2021. Project Proponent vide Lr SCL/EC/Goraiya-Mine/2021-22 dated 24.06.2021 has submitted a letter, that they are not able to attend the meeting. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and **deferred** the proposal for want of the following information:

- i. The Committee after viewing the KML file submitted by the PP, observed that the proposed mining area is in blocks. Hence PP needs to submit a details on the total land area and presence of agricultural land, water bodies and other surface feature within the lease area clearly demarcating on the map.
- ii. The Project Proponent should submit a detail on the proposed transportation route from each block to crusher and further transportation to cement plant along with the route map.
- iii. The Project Proponent needs to submit the details about the environmental sensitivity in the study area.

**2.4 Proposal for Environmental Clearance of M/s UltraTech Cement Limited is for Deora, Sitapuri & Udiyapura Limestone mine with production Capacity of 2.0 Million TPA(ROM) Limestone, Top Soil - 0.17 Million TPA, OB & IB - 0.25 Million TPA (Total Excavation - 2.42 Million TPA) in the mine lease area of 344.783 ha at**

**Villages: Deora, Sitapuri, Udiyapura and Muhali, Tehsil Manawar, District: Dhar, State: Madhya Pradesh – [Proposal no: IA/MP/MIN/115209/2019; File No. J-11015/66/2019-IA-II(M)] - Environmental Clearance (EC).**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

The Proposal of M/s UltraTech Cement Limited is for grant of Environmental Clearance for Deora, Sitapuri&Udiyapura Limestone mine with production Capacity of 2.0 Million TPA(ROM) Limestone, Top Soil - 0.17 Million TPA, OB & IB - 0.25 Million TPA (Total Excavation - 2.42 Million TPA) in the mine lease area of 344.783 ha at Villages: Deora, Sitapuri, Udiyapura and Muhali, Tehsil Manawar, District: Dhar, State: Madhya Pradesh. The mine lease area located between Latitude 22°19'09" N to 22°20'19" N and Longitude 75°05'29"E to 75°07'08"E. The mine lease area falls under the Topo sheet No: F43/15, F 43/16, F 43J/3 & F 43J/4 and falls in Seismic zone-III.

2. M/s UltraTech Cement Limited has made an online application vide proposal no. IA/MP/MIN/115209/2019 dated 13.05.2021 along with the Form-2 and EIA report after conducting the public hearing on 11.12.2020 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 Proposal for Environmental Clearance was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June, 2021 to 1<sup>st</sup> July 2021. During the meeting, the Project Proponent informed that Letter of Intent (LoI) vide letter no.F.3-32/2018/12/1 Bhopal date 09.06.2018 has been granted by Mineral Resource Department, Govt. of Madhya Pradesh through an e-auction for a period of 3(three) years from date of issuance, which is valid up to 19.06.2021, further PP has submitted they have requested to Govt. of Madhya Pradesh on 19.05.2021 for extension of validity of LOI which is under consideration. After deliberation the Committee opined that valid lease document is the basis for considering the proposal and in the instant proposal PP has no valid document in support of the fact that Proponent is the rightful lease of the mine as per the Letter of Intent (LoI) issued by Govt of Madhya Pradesh vide Lr No F 3-32/2018/12/1 dated 20.06.2018 which was valid upto 19.06.2021. Thus, Committee was of the view that the proposal cannot be considered in present form. PP shall approach the Ministry after

obtaining valid Letter of Intent (LOI) and therefore the Committee **returned the proposal in present form.**

**2.5 Proposal of M/s. UltraTech Cement Ltd is for Expansion in Limestone Production Capacity from 0.50 Million TPA to 1.00 Million TPA, Top Soil 240 TPA, OB 0.88 million TPA (Total Excavation 1.88 Million TPA) in Hinauti Extension Limestone Mine in the mine lease area of 258.867 ha at Villages- Hinauti, Dengraha, Biharganj & Judmani, Tehsil- Ramnagar, District Satna, Madhya Pradesh – [Proposal no: IA/MP/MIN/214223/2021; File No. J-11015/700/2007-IA.II(M)] - Terms of Reference (ToR) regarding.**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

The Proposal of M/s UltraTech Cement Limited is for grant of Terms of Reference for Expansion in Limestone Production Capacity from 0.50 Million TPA to 1.00 Million TPA, Top Soil 240 TPA, OB 0.88 million TPA (Total Excavation 1.88 Million TPA) in Hinauti Extension Limestone Mine in the mine lease area of 258.867 ha at Villages- Hinauti, Dengraha, Biharganj & Judmani, Tehsil- Ramnagar, District Satna, Madhya Pradesh. The mine lease area located between Latitude 24°18'15.855" N to 24°18'51.462"N and Longitude 81°15'32.697" E to 81°18'17.389"E. The mine lease area falls under the Topo sheet No: 63H/7 and falls in Seismic zone-II.

2. M/s UltraTech Cement Limited has made an online application vide proposal no. IA/MP/MIN/214223/2021 dated 05.06.2021 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Project Proponent submitted that initially Environmental Clearance letter no J-11015/700/2007-IA.II(M) dated 04.06.2009 granted for 0.50 Million TPA limestone production capacity in favor of M/s. Jaiprakash Associates Limited. Further, EC was transferred from M/s Jaiprakash Associates Limited to M/s. UltraTech Cement Ltd vide EC J-11015/700/2007-IA.II(M) dated 28.05.2018. Then, PP applied for Terms of Reference vide online proposal no IA/MP/MIN/80867/2018 dated 30.09.2018. The Proposal was considered in the EAC meeting held during October 23-24, 2018 wherein the Committee returned the proposal in present form for want of additional information. (i) PP has mentioned that the proposed capacity from 0.50 Million TPA to 1.00 Million

TPA and 0.3300 Million Cum per annum of waste in Hinauti Extension Limestone Mine, However the Committee is of the view that PP need to submit the detailed breakup of total quantity of Over Burden, Inter burden, Waste Material, etc, with the appropriate figure in TPA and accordingly revise the S.No. 4.1 of the form-I (ii) PP submitted the overall Pit Slope will be 60° which is not appropriate and the Committee suggested to PP that the overall Pit Slope should not be more than 45° and requested to PP to rectify the same and adequately revise the documents submitted by the PP, (iii). The Committee noted the PP proposed the total working days would be 360 days which is not appropriate and need to submit the correct no of working days as per the guidelines, (iv) The Committee observed that EC was granted to M/s. Jaiprakash Associates Limited in 2009. Mining Lease was transferred from M/s. Jaiprakash Associates Limited to M/s UltraTech Cement Ltd (UTCL) (Unit – Sidhi Cement Works) from the State Govt. vide grant order no: F 3-6/2007/12/1 dated 25.05.2017. Subsequently, a deed for transfer of mining lease has been registered on 29.06.2017 and lease executed and registered on 31.08.2017. Then, the EC was transferred from M/s. JaypeeSidhee Cement Plant (Unit of Jaiprakash Associates Limited) (JAL) to M/s. UltraTech Cement Ltd. (Unit: Sidhi Cement Works) by the Ministry vide Letter No. J-11015/700/2007-IA.II(M) dated 28.05.2018. The Committee noted that M/s UTCL has continued the mining operation without transfer of EC from 25.05.2017 to 27.05.2018 and is of the view that M/s UTCL should first take transfer of the EC and afterwards to continue the mining; however they did not wait for transfer of EC and continued the mining operation and it seems a non-compliance of EC an suggested that the Ministry may examine the issues and take an appropriate action in this regards(v) The Committee observed that PP has not installed weigh bridge within the Mining lease area and Mineral is being weighed outside the mining lease area the committee observed that it has mentioned in Rule 39 (2) of Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 that “In case run-of-mine is removed from the leased area to a processing plant which is located outside the leased area, then royalty shall be chargeable on the unprocessed run-of-mine and not on the processed product.” The committee was thus, of the view that for payment of royalty proper accounting and weighment of the mineral is required before transporting the same outside the mining lease area. The Committee thus, ask the Ministry to communicate the observation of the Committee to the concern Department of Mines and Geology to take necessary action as appropriate in the instant case. The Committee was of the view that PP should provide the proper justification for transporting the Mineral without weighment outside the mining lease area. In addition to this PP should provide the arrangements for prevention of illegal mining and pilferage of Mineral.

4. The Project Proponent again applied fresh proposal for Terms of Reference vide proposal no: IA/MP/MIN/214223/2021 dated 05.06.2021 along with the information

sought in the EAC meeting held during October 23-24, 2018. (i) PP submitted the breakup of OB: 0.88 Million TPA and Top soil: 240 TPA in S.No. 4.1 of the form-I (ii)PP submitted that overall pit slope will be 45° (iii) PP submitted the no. of working days will be 313 (iv) PP submitted that JaypeeSidhi Cement plant along with said mining lease was taken over by M/s. UltraTech Cement Ltd on 29<sup>th</sup>June, 2017 by way of Court Conveyed Scheme approved by the Hon'ble National Company law Tribunal at Mumbai & Allahabad Bench on 15th February, 2017 and 2nd March, 2017 respectively. Subsequently, the Board of Directors of Ultratech& JAL in their meeting held on 29th June, 2017 had declared the effective date of scheme.Pursuant of the above, on the same day of effective date i.e., 29th June, we have applied to your good office for Transfer of Environment Clearance from M/s. Jaiprakash Associates Limited to M/s. UltraTech Cement Ltd as per Para 11 of EIA notification, 2006. The mining activity is carried out with valid EC for the granted capacity of 0.5 million TPA (v) PP submitted that Hinauti extension limestone mine came in to operation during the year 2017-18 and the production quantity is very less. The limestone transported through the other existing adjacent mine lease of M/s. UTCL, where the Weigh bridge is already installed. Now, new Weigh bridge installed in the HinautiExtension Limestone mine and now all limestone transported with this weigh Bridge only. The proposal was placed in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June,2021 to 1<sup>st</sup> July2021.

#### 5. 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	Grant of mining lease vide Lr F 3-6/2007/12/1 in the name of M/s. Jaiprakash Associates Limited	26.02.2007	Limestone	20 years	Govt of Madhya Pradesh	258.867
2	Transfer of Mining lease vide Lr F 3-6/2007/12/1 in the name of M/s Ultra Tech Limited	25.05.2017	Limestone	Executed on 29.06.2017 and registered on 13.07.2017	Govt of Madhya Pradesh	258.867

#### 6. Details of executed Mine leases.

S.No	Date of grant of Lease execution	Period of Grant	Details
1	Date of entering into original lease deed.	From 10.01.2017 to 09.01.2067	MP348622017A1013344 in the name of M/s. Jaiprakash Associates Limited.
2	Date of entering into original lease deed.	From 18.08.2017 to 09.01.2067	MP348622017A1502238 in the name of M/s Ultra Tech Limited

### 7. Mining plan.

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	Grant period		Details
				From	To	
1	Indian Bureau of Mines vide	Lr MP/Satna/ Limestone/R MP-37/2020-21	05.03.2021	2021-22	2025-26	Mine Plan approved over an area of 258.867 ha for an production capacity of 1.0 MTPA Lime stone.

8. The Project Proponent submitted that opencast fully mechanized method of mining will be adopted. PP reported that the Total geological reserve is 53.36 Million TPA and Mineable Reserve is 31.92 Million TPA. The life of the mine will be 32 years. The proposed bench height will be 8m and width will be 20m. Overall pit slope will be 45°. PP submitted that excavated limestone is being/ will be transported to crusher outside the ML Area (located at Plant Site) by 25 Tons dumpers. Then crushed limestone is being/will be transported to cement plant. Cement plant is located at ~2.0 km in ENE direction. Topsoil is being/will be stacked separately and is being/will be utilized for green belt development. As on date (Till 2021) 0.70 million tonnes of waste has been generated and dumped in 3.40 ha waste dump area. During plan period, 3.35 million tonnes of waste will be generated which will be dumped in 7.57 ha area. Till end of life of mine, 13.67 million tonnes of waste will be generated which will be used for backfilling of 33.30 ha excavated area at average depth of 24 m. Backfilled area will be rehabilitated by Plantation. PP reported that present working depth is 341 m AMSL and

the ultimate working depth will be 295 m AMSL (38m bgl) whereas the ground water table exists at a depth of 308 m AMSL (25 m bgl) during pre-monsoon and 310 m AMSL (23 m bgl) during Post Monsoon and there will be intersection of ground water.

**9. Water requirement.**

Total water requirement	200 KLD	Dust Suppression	5.0 KLD
		Drinking/Domestic	140.0 KLD
		Mine operations	10.0 KLD
		For green belt and land reclamation	35.0 KLD
		Mechanical workshop	10.0 KLD
Source	Rain water stored in Mine pit of other existing mine sites		

10. The Project Proponent submitted that total area proposed for greenbelt and plantation will be 41.85 ha. Total area for greenbelt development is calculated as 8.55 ha in which at present an area of 3.55 ha has been covered under greenbelt along 7.5m lease periphery and road barrier and remaining 5.0 ha area will be covered during next 3 years. Total area to be covered under plantation will be 33.30 ha on backfilled area which will be done up to life of mine. Local species is being/ will be planted after consultation with local forest officer and as per CPCB/MPCB guidelines. The budget for green plant & plantation till the end of life of mine will be Rs 1.89 Cr.

11. The Project Proponent submitted that Villages such as Hinauti, Dengraha, Biharganj and Judmani are within the mine lease area. Nearest Highway is National Highway NH-75 at a distance of ~ 4.5 km, NE. Nearest water body is Bansagar canal at a distance of ~1.5 km, SE.

12. The Project Proponent submitted that total mining lease area of 258.867 ha is a forest land. Stage-I Forest Clearance obtained vide Lr F.No 8-80/2008-FC dated 29.05.2013 over an area of 258.867 ha in favor of M/s. Jaiprakash Associates Limited. Stage II Forest Clearance obtained vide Lr F.No 8-80/2008-FC dated 28.09.2016 over an area of 258.867 ha in favor of M/s. Jaiprakash Associates Limited. Name change in Forest Clearance obtained vide Lr F.No 8-80/2008-FC dated 04.05.2018 in favor of M/s. Ultra Tech cement Limited. PP also submitted that Eco Sensitive Zone of Son Ghariyal Sanctuary is located a distance of 8.4 km from the mine lease boundary. PP submitted that as per the recommendations of National Board of Wild Life (NBWL) dated 25.04.2011, the wildlife NOC for undertaking mining was granted from the office of the Chief Wild life Warden & PCCF, Bhopal MP vide letter no WA/Maa.chi/J.P/80/566 dated 22.01.2015. Letter for the same has been obtained from Chief Conservator of Forest & filed operator, sanjay Tiger Reserve, Sidhi vide letter no Maachi/ 2019/3359 dated

25.05.2019.The Project Proponent reported that there are two Schedules – I species such as *Python and Peacock* are found in the study area.

14. The Project Proponent submitted the EC compliance report certified by RO, MoEFCC vide letter no 3-46/2009 (ENV)/834 dated 26.10.2018. PP also submitted the action taken report in respect of non complied, partly complied and complied subject to condition certified by RO, MoEFCC vide letter no 3-46/2009 (ENV)/436 dated 30.5.2019. PP submitted the Consent to Operate issued by the Madhya Pradesh Pollution Control Board vide Consent No:AW-53550 dated 23.05.2021 for production of 0.50 Million Ton per year for the period ending up to 31.05.2022. PP submitted that the mine was started operation from the year 2017-18 onwards after obtaining the Stage –II Forest Clearance letter dated 28.09.2016 and wild life recommendations from the NBWL dated 25.04.2011 and Chief Wild Life warden dated 22.01.2015. PP also submitted the Past Production details from 2017-2018 to 2020-2021(till April, 2021) duly authenticated by Assistant Mining Officer, District –Satna (MP) vide letter no 1740/Mineral/2021, Satna dated 19.05.2021 and is well within the limits of EC capacity. PP also submitted the Affidavit in a non-judicial stamp paper of Rs 100bearing BA 347014dated 19.03.2021 that the company will comply with all the statutory requirement & judgment of Hon’ble Supreme Court dated 2<sup>nd</sup> August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.

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

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

**17. Details of project cost and employment:**

Particulars	Budget (Rs. In Crore)
Project Cost	Rs. 8.0
Capital Cost for Environment Protection	Rs 0.12
Recurring Cost for Environment Protection	Rs 0.16
Employment	71 persons

18. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June,2021 to 1<sup>st</sup> July,2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference of M/s. UltraTech Cement Ltd for Expansion in Limestone Production Capacity from 0.50 Million TPA to 1.00 Million TPA, Top Soil 240 TPA, OB 0.88 million TPA (Total Excavation 1.88 Million TPA)

in Hinauti Extension Limestone Mine in the mine lease area of 258.867 ha at Villages-Hinauti, Dengraha, Biharganj&Judmani, Tehsil- Ramnagar, DistrictSatna, Madhya Pradeshfor undertaking detailed EIA/EMP study along with the following specific conditions:-

- i. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the Public through proper separate budget.
- ii. PP needs to submit the proof of documents duly authenticated by the State Government that mine lease is extended till 09.01.2067.
- iii. The Project Proponent shall allocate separate budget for the concerns of the public 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.
- iv. The Project Proponent needs to carry out a cumulative impact assessment by considering all the other mines in the study area.
- v. The Project Proponent must specially show in EMP, the cost towards retention wall, toe wall, drainage and rain water harvesting structures.
- vi. The Project Proponent needs to submit a detailed note for utilization and storage of Topsoil of 240 TPA.
- vii. The Project Proponent needs to submit the compliance status of the already approved wildlife conservation plan from the Competent Authority and also submit the revised approved site-specific conservation plan as the proposal for expansion in production. PP also needs to submit the Wildlife Clearance in the name of M/s UltraTech Cement Ltd.
- viii. The Project Proponent shall undertake the adequate plantation on benches of the excavated pit, safety barrier, OB dump etc..with the seedling of 10 ft height with at least 90% survival rate and the plantation shall be completed within 6 months. Undertaking in this regard needs to be submitted by the PP.
- ix. The Committee noted that the since the mine is on the slope the effective steeping of slope through proper civil measures such as retention wall, toe wall provided with drainage to minimize the impact of flowing water of the slope and

also diversion of the water to water harvesting structures to improve the storage of ground water.

- x. PP should submit the proper plan for restoration of mine benches and modify the conceptual mining plan accordingly as the current plan submitted by PP is not satisfactory.
- xi. The Project Proponent needs to submit the measures to be taken for protection of water bodies within the lease area as well as nearby the mines. PP should also submit a detailed plan for rain water harvesting.
- xii. The Project Proponent should explore the possibility of creating appropriate water body to store the rain water and utilize it for the local public.
- xiii. Detailed conceptual plan along with map for proposed mining with reclamation plan needs to be submitted in the EIA/EMP report.
- xiv. The Project Proponent shall submit detailed Hydro Geological study and shall obtain the NOC from CGWA for intersection of ground water table.
- xv. The Project Proponent needs to submit the action taken by Department of Mines and Geology, Government of Madhya Pradesh for which PP has not installed Weigh Bridge within the Mining lease area and mineral is being weighed outside the mining lease area.
- xvi. The Project Proponent needs to submit the latest certified EC compliance report.
- xvii. The Project Proponent should present the time bound action plan for environment monitoring programme comprising all the environmental sensitivity in the study area. PP should give emphasis towards the protection of the ESZ of Son Ghariyal Sanctuary.

**2.6 Proposal for change in excavation & dispatch pattern of Bolani Iron Ore Mine [ML Area 1321.45 ha] of M/s Steel Authority of India Limited located at Village Bolani, Tehsil- Barbil, District Keonjhar, Odisha- [Proposal No: IA/OR/MIN/215703/2021, F.No: J-11015/418/2008-IA-II(M)] - EC under Para 7(ii) of EIA Notification, 2006**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 <sup>th</sup> June 2021 to 1 July, 2021

The proposal of M/s Steel Authority of India Limited is for Extension of validity of EC dated 30.07.2020 and for permitting dispatch of 8.5 MTPA ROM Iron Ore, 1.5 MTPA from SAIL's Bolani Rly. Siding, dispatch of fresh fines of 0.5 MTPA by Road and 1.5 MTPA by Public Sidings Bolani/Barbil keeping total production within approved EC Capacity under Para 7(ii) of the EIA Notification 2006 for Bolani Iron Ore Mine (1321.45 ha) is located at Villages Bolani & Balagoda and Karo Reserve Forest (R.F.) in Barbil Tehsil, Champua Sub- division, Keonjhar District of Odisha. The lease area forms part of Survey of India topo-sheet no: 73 F/8 (F45H/8) and is bounded by latitude 22° 05'11.65848" N & 22° 07'46.2869"N & longitudes 85° 16'52.81330" E - 85° 20'13.85260"E.

2. M/s Steel Authority of India Limited has made an online application vide proposal no. IA/OR/MIN/215703/2021 dated 23.06.2021 under para 7(ii) 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. PP submitted that Ministry granted the earlier EC vide letter No.J-11015/418/2008-IA.II (M) dated 21.12.2012 and subsequent amendments dated 17.02.2014. PP further obtained the EC letter No.J-11015/418/2008-IA.II (M) dated 30<sup>th</sup> July, 2020 under para 7(ii) of EIA Notification 2006 (as amended) for change in excavation & dispatch pattern by increasing excavation and dispatch of iron ore fines from existing Fines Dumps up to 3.0 MTPA (from present 0.5 MTPA) and Modification of Mining parameters including updating of reserves and waste generation keeping total production within approved EC capacity of 12 MTPA. Boiani Iron Ore Mine (1321.45 ha) is located at Villages Boiani&Balagoda and Karo Reserve Forest (R.F.) in Barbil Tehsil, Champua Sub- division, Keonjhar District of Odisha with one of the specific condition that "*This amendment is valid for a period of one year and the same may be extended after the site visit or compliance monitoring by Regional Office, whichever is earlier.*"

4. Now Project Proponent is requesting for Extension of validity of EC dated 30.07.2020 and amendment for permitting dispatch of 8.5 MTPA ROM Iron Ore from mines, 1.5 MTPA from fines dump by SAIL's Bolani Rly. Siding and dispatch of 0.5 MTPA from Iron Ore from Mines and 1.5 MTPA from fines dump by Public Sidings Bolani/Barbil or by Road keeping total production within approved EC Capacity 12 MTPA under Para 7(ii) of the EIA Notification 2006 as due to prevailing Covid-19 pandemic and consequent restrictions the required site visit and compliance monitoring at site by the Integrated Regional Office, MoEF&CC, Bhubaneswar could not be carried out till date.

5. PP submitted that Boiani Ore Mines comprises of two adjacent leases; Boiani 5.1 Sq. Mile Lease (area: 1321.45 ha) and Boiani 6.9 Sq. Mile Lease (area: area: 1786.74 ha). 5.1 Sq. Mile lease is the main iron ore mining lease. 6.9 Sq. Mile Lease is a manganese ore mining lease. The two leases are adjacent to each other and have common infrastructure such as Railway siding, loading plant, crushing & screening, conveyors, power-lines, magazine, township, office, guest house, hospital, roads, Tailing Dam etc. The lease comprises of 1312.86 ha Forest Land and 8.59 ha Non Forest Land under the villages of Boiani and Balagoda. The 5.1 Sq. Mile ML was granted for 30 years with validity from 11.04.1960 to 10.04.1990. The lease has been renewed up to 09.04.2030 vide express order of Govt. of Odisha, Steel & Mines Department. Stage-II Forest clearance exists for the total forest land within the Mining Lease.

6. The Project Proponent submitted the Approval of Modification of Review of Mining Plan along with Progressive Mine Closure Plan over an area of 1321.45 ha approved by Indian Bureau of Mines vide Lr No. MRMP/A/12-ORI/BHU/2020-21 dated 08.09.2020 for the period 2020-21 to 2024-25. Certified Compliance report of Environmental Clearance has been obtained from the Regional Office, MoEF&CC, Bhubaneshwar vide letter no. 101-570/09/EPE dated 29.01.2020. Consent to Operate issued by the Odisha State Pollution Control Board, Bhubaneshwar vide letter no. I4881/IND-I-CON-242 dated 24.03.2021 which is valid till 31.03.2022.

7. The Project Proponent submitted that in order to assess the likely impacts, if any, on the local road infrastructure and air quality of the area, due to the proposed above-mentioned changes in the scope of work, specific environmental studies viz., Traffic Density Study and Air Quality Impact Prediction Study have been carried out and incorporated in the addendum to EIA/EMP Report. It has been observed that adequate road capacity is available to undertake additional traffic load due to iron ore transportation by road from fine dumps. Air Quality Impact Prediction Studies revealed that the resultant air quality in and around the mines within the permissible limits. The proposed liquidation of fines will not only result in effective utilization of these low-grade minerals, but also eliminates environmental hazards associated due to storage of fines besides meeting the iron ore demand during scarcity period of the country. There is no change in scope of work from earlier EC amendment granted dated 30th July, 2020 excepting inclusion of transportation of part of fresh iron ore fines (up to 0.5 MTPA) along with dump fines on road within approved capacity.

8. The Project Proponent reported that subsequent to the judgment of Apex Court dated 02.08.2017, the Governments of Odisha vide letter dated 23.10.2017 issued a demand notice for payment of Rs. 47,49,46,999/-. Against this demand, SAIL had filed a Writ Petition bearing WP (C) No- 24279/2017 before High Court of Orissa at Cuttack.

The matter was heard and Hon'ble High Court had passed the stay order on 04.04.2018 & matter is sub-judice

9. The proposal for Amendment in Environmental Clearance was considered in the in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June,2021 to 1<sup>st</sup> July,2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, The Committee after assessing the revised air quality impacts submitted by PP and looking at the pandemic situation, the Committee **recommended** the proposal of M/s SAIL for amendment of extension of validity of EC dated 30.07.2020 for one year alongwith permitting dispatch of 8.5 MTPA ROM Iron Ore from mines, 1.5 MTPA from fines dump by SAIL's Bolani Rly. Siding and dispatch of 0.5 MTPA from Iron Ore from Mines and 1.5 MTPA from fines dump by Public Sidings Bolani/Barbil or by Road keeping total production within approved EC Capacity 12 MTPA under Para 7(ii) of the EIA Notification 2006 at village Bolani, Tehsil- Barbil, District Keonjhar, Odisha. All other terms and Conditions mentioned in earlier EC dated 21.12.2012 and 30.07.2020 shall be remain same. The following specific conditions are as follows:

- i. This amendment will be valid for a period of one year from the date of issue of this EC and the same may be extended after the site visit or compliance monitoring by IRO, whichever is earlier.
- ii. The Project Proponent needs to monitor the air quality at the sliding in terms of dust emission during the dispatch of fresh fines of 0.5 MTPA through road and the data needs to be submitted to the Ministry.
- iii. The Project Proponent shall ensure that there is no change in air quality at the road. Particle size analysis of the emissions that are likely to emerge from the dumps and storage at the site and railway sliding to be carried out.
- iv. The Project Proponent shall also ensure that the dispatch by road should be as per the standard practices.

### **DAY 3: 30<sup>th</sup> June, 2021 (Wednesday)**

**3.1 Proposal of M/s Tata Steel Limited for expansion in production of iron ore from 8.0 MTPA to 13.5 MTPA (Total Excavation: 15 MTPA) along with mineral beneficiation plant of 4.0 MTPA in the mine lease area of 403.3238 ha at Deojhar Village & Thakurani RF, Keonjhar District, Odisha State [Proposal No-IA/OR/MIN/210667/2019, File No. IA-J-11015/63/2018-IA-II(M)] - Environmental Clearance (EC).**

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting
Date of Meeting	28 June, 2021 to 1 July,2021

The Proposal of M/s Tata Steel Limited is for grant of Environmental Clearance (EC) for expansion in production of iron ore from 8.0 MTPA to 13.5 MTPA (Total Excavation: 15 MTPA) along with mineral beneficiation plant of 4.0 MTPA in the mine lease area of 403.3238 ha at Deojhar Village & Thakurani RF, Keonjhar District, Odisha. The mine lease area located between Latitude 22° 05' N to 22° 10' N and Longitude 85° 25' E to 85° 35' E. The mine lease area falls under the Survey of India Toposheet No 73 F/8 & 73 F/12 and falls in Seismic Zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s Tata Steel Limited has made an online application vide proposal no: IA/OR/MIN/210667/2019 dated 04.06.2021 and submitted the Form-2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and 2(b) Mineral Beneficiation under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level. The proposal also attracts the general conditions as the mining lease area is located adjacent to Interstate boundary of Jharkhand- Odisha.

3. The details of the ToR/EC are furnished as below:

<b>Date of application</b>	<b>Proposal No</b>	<b>Consideration</b>	<b>Details</b>	<b>Date of accord</b>
14.06.2010	IA/OR/MIN/9352/2008	-	2.0 Million TPA to 8.0 Million TPA	26.11.2010
30.08.2017	IA/OR/MIN/9352/2008	September 18-19, 2017, October 23-24, 2017 & June 21-22, 2018	Amendment in EC for Change in ROM	18.01.2019
28.11.2019	IA/OR/MIN/123688	December 19-20, 2019	Expansion in production of iron ore from 8.0 MTPA to 13.5 MTPA (Total Excavation: 15 MTPA) along with mineral beneficiation plant	15.04.2020

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

			of 4.0 MTPA in the mine lease area of 403.3238 ha along with CSIR-NEERI on carrying capacity study	
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**4. Lease Detail**

Initial Lease Grant	Area	3152.018 Ha
	Grant date	17.01.1933
	Name of the blocks	Katamati, Joda west and Khondbond blocks
	Validity	30 years
1 <sup>st</sup> Renewal	Date	10.01.1978
	Period	17.01.1963 to 16.01.1983
2 <sup>nd</sup> Renewal	Area	403.3238
	Date	27.10.1984
	Period	17.01.1983 to 16.01.2003
	Name of the blocks	Katamati (Independent lease)
3 <sup>rd</sup> renewal (validity extension)	Letter No.	III(A)SM-02/2004/3308/SM, Bhubaneswar
	Date	18.04.2015
	Granted by	Dept. of Steel and Mines, Govt. of Odisha
	Validity	31.03.2030
Execution of Supplementary lease deed	Date	27.11.2016
Registration	No.	11031600471, Barbil
	Date	28.11.2016

**5. Land use details:**

S No	Particulars	Details
1	Total land	403.3238 Ha
2	Involvement of Forest land if any	360.01 Ha
3	Private land	0.0769 Ha
4	Government land	43.2369 Ha
5	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	NA
6	Existence of habitation & involvement of R&R, if any	NA
7	Elevation of the project site	534-732 m aMSL
8	Water body exists within the project site	i. Betlara Nallah, 0.2 km, NW

	as well as study area	ii. Mahadev allah, 0.4 km, SW iii. Balijhore Nallah, 3.9 km, N iv. Sona river / Kundra, 6.3 km, S v. Baitarini River, 8.1 km, SE
9	Existence of ESZ/ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil

## 6. Mining plan

S. no	Mining Plan along with the Conceptual Plan Approved By	Letter no.	Dated of Approval	For a period		Details
				From	To	
1	Approval of Modification of Review of Mining Plan along with PMCP by Indian Bureau of Mines	MRMP/A/06-ORI/BHU/2020-21	13.07.2020	2021-22	2022-23	Iron Ore over an area of 403.3238 Ha.

7. The Project Proponent submitted that the mining operation will be fully mechanized open cast mining method with Drilling and Blasting by Shovel Dumper combination. PP reported that the Total geological reserve is 114.43 Million Tonnes and Mineable Reserve is 83.84 Million Tonnes. The life of the mine will be 7 years. The proposed bench height will be 12m and width is 25 m (at present) - 12 m (at conceptual Stage). Overall pit slope will be 45°. Blasting is done by drilling 165 mm dia holes with 10% subgrade drilling, for a bench height of 12 m. Mode of transport inside mine is by dumpers of 100 T. Out of the 4.0 MTPA ore at Katamati, around 2.0 MTPA material will be dispatched by rail through the captive railway siding at Noamundi after processing at Noamundi plant. The mine proposes to transport 2 MTPA (maximum) of material, after processing at Katamati plant, by road to the end-users as a stop-gap arrangement till infrastructure is in place for transporting the entire material by rail only. PP submitted that there will be 2 circuits of 2 MTPA each (total 4 MTPA). Each circuit will have one primary jaw crusher, two cone crushers as secondary and tertiary crushers in combination with vibratory screens and feeders.

8. The Project Proponent submitted that Over-burden (waste dump no. 2): Existing stock is 3.06 MT and Generation during plan period will be 6.52 MT or 2.61 Mcum (part

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

to be backfilled). Generation after plan period till life of mine will be 31.2 MT or 12.48 Mcum. Mineral Reject (sub-grade dump no. 3): Existing stock is 7.89 MT and Generation during plan period will be 4.2 MT or 1.4 Mcum. Slime stock: Existing stock is 8.06 MT. Re-handling during plan period will be 2.5 MT (to be separately stacked). (No slime to be dumped in Katamati lease area & all slime that will be generated in Noamundi will remain within Noamundi lease area).

9. Details of Depth of mining and ground water table.

Depth of mining	Highest working RL (Western Pit): 636 m RL Highest working RL (Eastern Pit): 720 m RL Pit Bottom (Western Pit) : 612 m RL Pit Bottom (Eastern Pit) : 564 m RL
Water Table	519 m RL
Ground water intersection	No

10. Water requirement

Total water requirement	4800 KLD	Fresh water	4800 KLD
		Treated water	0
Source	Noamundi mine		
Permission	Quantity	460 KLD	
	Lr No.	CGWA/NOC/MIN/ORIG/2018/4244 (Ground Water drawl)	
	Date of Grant	15.11.2018	
	Validity	10.10.2018 to 09.10.2020	
	Renewal of NOC is under process		
	Remaining	An application for withdrawal of 29,000 KL water from Baitarani river has been submitted to Water Resource Department, Jharkhand	
Additional information (if any)	Proposed water requirement (from 3rd year onwards) is 4800 KLD.		

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

Particulars	Distance	Direction
Noamundi village	Within 5.0 km	NW
State Highway - SH-4	3.1 km	N
National Highway NH-215	5.5 km	S
Noamundi Railway station	4.5 km	NE
Betlara Nallah	0.2 km	NW
Mahadev Nallah	0.4 km	SW
Balijhore Nallah	3.9 km	N
Sona river / Kundra	6.3 km	S
Baitarini River	8.1 km	SE

12. The Project Proponent submitted that the proposed area for green belt and plantation is 356.8112 ha. Around 42720 saplings have been planted in the last 12 years on the dump slopes, gap-filling and safety zone. It is proposed to plant over an area of 292.85 ha of backfilled area and 58.65 ha of OB dump till FY 2029-30. PP earmarked budget of Rs.5.27 Crores for green plant & plantation till the end of life of mine.

13. The Project Proponent submitted that out of total lease area 403.3238 ha, 360.010 ha is forest land and 43.3138 ha is non-forest land. About 114.1911 ha is the broken-up forest area prior to 1980 which includes some portion of Pit I, II & III. Present mining operation at Katamati is being carried out in non-forest land only. Mining operation in forest area have been discontinued in accordance with the judgment dated 12.12.1996 of Hon'ble Supreme Court regarding stoppage of ongoing non-forest activities in forest areas and subsequent order from divisional forest officer of Keonjhar. As iron ore at Katamati has wide occurrence in forest area, it necessitates for acquiring fresh forest land for continuance of mining operation in future. The steel company had submitted a de-reservation proposal over 199.1720 ha forest land on 17.04.2007, which includes 31.1791 ha broken up forest area prior to 1980. As per the MoEF&CC, Govt. of India Circular dated 10.03.2015, 160.383 ha non-forest area has been identified as forest as on 25.10.1980 (as per Sabik records) and accordingly Forest Diversion Proposal has been applied on 16.06.2016. In principle approval granted for the diversion of forest land of 360.01 ha which includes 160.838 ha (Sabik Kisam forest land) + 199.1720 ha forest land (RF & KF) by MoEF&CC vide letter No F.No. 8-01/2018-FC dated 13.03.2019. PP submitted the Stage-II approval granted for the diversion of forest land of 360.01 ha by MoEF&CC vide letter No F.No. 8-1/2018-FC dated 09.06.2021. PP further submitted that there is no National Park, Biosphere Reserve, Wildlife Corridors, and Tiger/Elephant Reserves/ Critically Polluted area/Aravali within the study area of 10 km radius. PP submitted that the total NPV of Rs. 33.81 crores and compensatory afforestation (CA) of Rs. 15.08 crores for the entire forest land of 360.010 ha has been paid till date as per demand raised by forest officials. Project proponent vide email dated 6.07.2021 informed that till now the mine working have been confined to non-forest area and prior broken forest area (non-forest land classified as forest). The working in prior broken forest area has been continued on the basis of order of Hon'ble High Court of Odisha.

14. Availability of Schedule-I species in study area.

<b>Schedule-1 species</b>	<b>Yes/No</b>	<b>Details of Certificate/letter/Remarks</b>
Schedule-I species	Yes	Grey Wolf, Elephant, Sloth Bear, Leopard, Peacock, Python, Common Indian Monitor.

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Wildlife Conservation Plan	Yes	Conservation plan for Schedule-I Species approved by Chief Wildlife Warden vide Lr.no.5842/1WL(C) SSP-306/2011 dated 29.08.2011. The total approved cost for implementation of SSWLCP is Rs.2.05 crores.
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15. 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 and partly winter. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water for the month of October to December, 2019 have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Period					
AAQ parameters at 16 locations	Pollutant	Min, $\mu\text{g}/\text{m}^3$	Max, $\mu\text{g}/\text{m}^3$	98 %ile, $\mu\text{g}/\text{m}^3$	Standard, $\mu\text{g}/\text{m}^3$
	PM2.5	17.4	40.3	39.3	60
	PM10	32.1	58.6	58.4	100
	SO2	11.2	16.8	16.7	80
	NOx	21.5	32.7	32.5	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	40.3	4.8	45.1	60
	PM10	58.6	9.5	68.1	100
	SO2	16.8	0.1	17	80
	NOx	32.7	0.8	33.5	80
Noise level at 17 locations	Day Time: 37.9 to 67.6 Leq dB (A) Night Time: 41.1 to 71.9 Leq dB (A)				
Ground water quality at 13 locations	pH ranged from 6.46 - 7.32, EC ranged from 196 - 687 $\mu\text{S}/\text{cm}$ , TDS ranged from 98 - 384 mg/l, TH ranged from 58.7 - 234.9 mg/l. All other metal concentrations are observed to be below detectable limits. All the parameters in ground water fairly meet the desirable standard limits of IS: 10500.				
Surface water quality at 8 locations	pH ranged from 6.24 - 7.32, BOD ranges between 3.0 mg/l, COD ranges between 5.0 mg/l, DO ranges between 5.2-5.9 mg/l,				
Soil quality at 7 locations	pH ranges between 6.2 to 7.1 indicating soils are slightly acidic to neutral, The EC of fourteen soil samples is between 167 to 318 $\mu\text{S}/\text{cm}$ and are below the limits to be called as saline and hence the soils are normal for crop growth, As per crop requirements the soils are very low to low in organic matter content,				
Traffic assessment study findings	The existing road network will be adequate to accommodate the additional traffic load and complied with IRC guidelines. There will be an additional impact on the air quality along the transportation				

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	route but will be well within the NAAQS standards and will be insignificant impact on habitation on either side of the road. The 4.0 MTPA material will be sent to the Govt Railway Siding by covered trucks from the stockpile for onward dispatch by rail. There will not be any road transportation beyond these railway sidings. Therefore, entire product to the tune of 24.0 MTPA from Noamundi will be transported to the various consumer ends only through rail.
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16. Public Hearing (PH) Details

Advertisement for PH with date	Published in the State daily of Odisha Sambad and in Times of India on 28.11.2020
Date of PH	30.12.2020
Venue	Khata No.172, Plot.No.12 in Deojhar village in Keonjhar District, Odisha
Chaired by	Additional District Magistrate, Keonjhar
Main issues raised during PH	Major issues raised were provision of employment to local people, education, medical facilities, infrastructural development and welfare activities, road maintenance, tree plantation, etc.
Budget proposed for addressing issues raised during PH	Rs.7.36 Crores

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

Sl. no	Activities	Description	Location	Unit Rate in Rs	Total quantity	Yr 1	Yr 2	Yr 3	Total (Rs. In Lak h)
1	Education	Construction of additional classrooms & boundary wall at Belaipada High School	Birkela GP	Lumpsum	1 no	35	35	0	70
		Provision of computer equipment at Saraswati Sishu Mandir School	Kotarposi GP	20000/ unit	5 no	1	0	0	1
2	Livelihood	Construction of Goatery sheds	Deojhar GP Ansaikela	25000/ shed	100 nos	5	10	10	25

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

			GP						
		Support for Entrepreneurship development	Surrounding villages	Lumpsum	Lot	25	0	0	25
3	Swachh Bharat	Providing toilets to individual households	Deojhar GP Ansaikela GP	25000/ toilet	200 nos	10	20	20	50
		Providing toilet facility with water arrangements in two schools	Deojhar GP Ansaikela GP	25 lakh/ unit	2 units	0	25	25	50
4	Agriculture	Construction of vermi-compost pit	Deojhar GP Ansaikela GP	15000/ pit	100 nos	5	5	5	15
5	Infrastructure development	Construction of Kalyan Mandap	Ansaikela GP	Lumpsum	1 no	50	100	0	150
		Revamping of Temples (Murga Mahadev & Budha Temple)	Deojhar GP	Lumpsum	Lot	35	353	0	70
		Construction of boundary wall, stage, platform, shed at playground	Chamakpur	Lumpsum	Lot	20	10	0	30
6	Health care	Setting up of Dispensaries	Deojhar GP Ansaikela GP	105 lakhs / unit	2 no	210	0	0	210
		Provision of Ambulance	Deojhar GP Ansaikela GP	20 lakh/ unit	2 no	40	0	0	40

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

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

19. The Project Proponent submitted the EC compliance report certified by MoEF&CC Regional Office, Bhubaneswar vide letter no.101-482/EPE dated 18.03.2021. PP submitted the Consent to Operate issued by the Odisha State Pollution Control Board vide No 4768/IND-I-CON-185 dated 23.03.2021 for a production of 8.0 MTPA Iron Ore for the period ending up to 31.03.2026.

20. The Project Proponent reported that the mine is in operation since 1934 and PP obtained the EC vide Letter no J-110115/63/2008-IA.II(M) dated 26.11.2020 for the enhancement of production capacity from 2.0 million tonnes per annum (million TPA) to 8.0 (million TPA). Further, PP obtained the EC amendment w.r.t. ROM on 18.01.2019. PP also submitted the Past production details duly Certified by Mining Department, Govt. of Odisha vide Memo no. 3140/Mines dated 12.07.2018, Memo no. 2803/Mines dated 22.10.2019 and Memo no. 4365/Mines dated 22.10.2020 from 1993-94 to 2019-20 as per the production details PP did not exceeded the production beyond the EC capacity. PP also submitted that presently the mine is in operation with due compliance of the Hon'ble Supreme Court Order dated 02.08.2017 in W.P (C) No-114/2014. The details are as follows:

S. No	Issues	PP's Submission
1	Compliance of Order dated 02.08.2017 in CWP no. 114/2014 of Hon'ble Supreme Court	In compliance to the order of the Hon'ble Supreme Court on dated 02.08.2017 in WPC No. 114/2014, the project proponent has paid the compensation amount of Rs 82, 70, 48, 782.00/- (Rupees Eighty Two crores seventy lakhs forty eight thousand seven hundred eighty two only) on dated 22.12.2017 being the price thereof as compensation under Section 21(5) of MMDR Act, 1957 for allege production without/in excess of the Environment Clearance as rationalized by the CEC as per the demand notice no 4140/Mines dated 02.09.2017 issued by the Deputy Director of Mines, Joda Circle, Dist-Keonjhar
2	Details of demand if any raised by Dept. of Mining and Geology, Govt. of	Demand was raised by the Deputy Director of Mines, Joda Circle, Dist-Keonjhar vide Letter no 4140/Mines dated 02.09.2017

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	Odisha	amounting of Rs 82, 70, 48, 782.00/- (Rupees Eighty Two crores seventy lakhs forty eight thousand seven hundred eighty two only) on or before 31.12.2017 in pursuance to the para 225 of the order dated 02.08.2017 of Hon'ble Supreme Court in WPC No. 114/2014
3	Details of demand if any made to Dept. of Mining and Geology, Govt. of Odisha	Payment has been done by the project proponent with an amount of Rs 82, 70, 48, 782.00/- (Rupees Eighty Two crores seventy lakhs forty eight thousand seven hundred eighty two only) on dated 22.12.2017 through net banking vide transaction reference number 425515962 paid through HDFC Bank
4	Validity of mine lease	Lease period has been extended up to 31.03.2030 vide Letter no. III (A) SM-02/2004/3303/S&M, Bhubhaneswar dated 18.04.2015 issued by Department of Steel & Mines, Govt of Odisha in compliance with MMDR Amendment Act, 2015
5	Status of mine whether working or not	This is a working mine
6	Details of the past production of mine since its inception, duly authenticated by Dept. of Mines and Geology, Govt. of Odisha	The year wise production figures from 1993-94 submitted by PP

21. The Project Proponent informed that Credible action initiated against PP u/s 15 of EP Act in the court of J.M.F.C Barbil (vide case no 125 of 2013) for production of iron-ore in excess of EC permitted quantity during 2002-03 to 2004-05. PP submitted the affidavit Certificate no 06AA 488093 dated 14.10.2019 by way of the undertaking in compliance to the Ministry's O.M No 3- 50/2017 -IA. II(M) dated 30.05.2018 to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

22. The Project Proponent submitted the Affidavit in a non-judicial stamp paper of Rs 10 bearing 50AA 945830 dated 20.01.2021 that M/s Tata Steel Limited undertake to

comply with the standard EC conditions as prescribed by the Ministry vide O.M No 22-23/2018.IA.III dated 08.01.2019 and specific conditions if prescribed by the EAC/MoEF&CC. PP also submitted an undertaking that the information and data provided in the EIA report and submitted to the Ministry are factually correct and Project Proponent is fully accountable for the same. The Consultant also given undertaking that Terms of Reference issued by the Ministry vide Lr J-11015/63/2018-IA-II(M) dated 15.04.2020 have been compiled.

23. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	24.1
Budget for addressing the Public Hearing issues	7.36
Total Cost for EMP	31.46 (24.1 + 7.36)
Recurring Cost for EMP	3.025
Project Cost	150
Employment	After expansion total 420 persons (including 88 additional persons)

24. The proposal for Environmental Clearance was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June,2021 to 1<sup>st</sup> July 2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Environmental Clearance of M/s Tata Steel Limited for expansion in production of iron ore from 8.0 MTPA to 13.5 MTPA (Total Excavation: 15 MTPA) along with mineral beneficiation plant of 4.0 MTPA in the mine lease area of 403.3238 ha at Deojhar Village & Thakurani RF, Keonjhar District, Odisha with the following specific conditions along with the recommendation of CSIR-NEERI Report on Carrying Capacity Study for Environmentally Sustainable Iron and Manganese Ore Mining on carrying capacity study in addition to the standard conditions applicable for non- coal mining projects:-

- i. Environmental Clearance (EC) shall be valid up to the lease period only i.e. up to 31.03.2030.
- ii. The budget of Rs. 7.36 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.

- iii. The Project Proponent shall undertake the adequate plantation in peripheral zone as well as gap plantation with the seedling of 6-8 ft height with at least 90% survival rate to control the dust at source and should be completed within 2 years from the date of commencement of mining operations. Casualties of the previous year should be replaced other than the saplings proposed to be planted every year.
- iv. The Project Proponent shall make efforts for Sal plantation for restoring the mine lease area. PP shall provide tree guard to maintain the early stages of plant growth.
- v. Geomats to be used as erosion control blanket which should be biodegradable and accordingly validated through testing from a recognized institution/ laboratory.
- vi. 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.
- vii. Project proponent shall furnish a certificate from DFO regarding satisfactory compliance of site specific wildlife conservation plan.
- viii. The Project Proponent shall obtain the Renewal of NOC from CGWA for withdrawal of ground water before undertaking mining operations.
- ix. The Project Proponent should undertake the soil conservation/restoration activity in a way that the habitats can be restored.

**3.2 Proposal for Terms of Reference of M/s Lalajee Minerals for Negariya Manganese (Psilomelane) mine for a production of 975 TPA in the mine lease area of MLA: 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh – [Proposal no: IA/MP/MIN/105055/2019; File No. IA-J-11015/65/2019-IA-II(M)] - Terms of Reference (ToR)**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 June,2021 to 1 July, 2021

The Proposal of M/s Lalajee Minerals is for grant of Term of Reference for Negariya Manganese (Psilomelane) mine for a production of 975 TPA in the mine lease

area of MLA: 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh. The mine lease area located between Latitude 22°50'53.05"N to 22°51'00.07"N and Longitude 74°30'31.06"E to 74°30'42.09"E. The mine lease area falls under the Topo sheet No: 46 J/P and falls in Seismic zone-II.

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

3. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June, 2021 to 1<sup>st</sup> 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.

**3.3 Proposal of Shri. Sajid Ali for Soniyana Laterite mine with production capacity of Laterite - 1.5 Lakh Tones/annum, Top Soil (O/B)-Nil, Inter burden(I/B)-Nil, Sub Grade/Mineral Reject-Nil (Total Excavation: 1.5 Lakh Tones/annum) in the mine lease area of 10.00 Ha (M.L. 4/97) at Village Soniyana, Tehsil Jiran, District Neemuch, Madhya Pradesh – [Proposal no: IA/MP/MIN/211834/2021; File No. IA-J-11015/40/2021-IA-II(M)] - Terms of Reference (ToR) regarding.**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	30 <sup>th</sup> June, 2021 (Wednesday)

The Proposal of Shri. Sajid Ali is for grant of Term of Reference for Soniyana Laterite mine with production capacity of Laterite - 1.5 Lakh Tones/annum, Top Soil (O/B)-Nil, Inter burden(I/B)-Nil, Sub Grade/Mineral Reject-Nil (Total Excavation: 1.5 Lakh Tones/annum) in the mine lease area of 10.00 Ha (M.L. 4/97) at Village Soniyana, Tehsil Jiran, District Neemuch, Madhya Pradesh. The mine lease area located between Latitude 24° 24' 16.27" N to 24°23' 55.71" N and Longitude 74° 50' 04.80" E to 74°49' 49.09" E. The mine lease area falls under the Topo sheet No: 45 L/15 and falls in Seismic zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

2. Shri. Sajid Ali has made an online application vide proposal no. IA/MP/MIN/211834/2021 dated 10.05.2021 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the project attracts general condition as mining lease area located at a distance of 1.16 km, NW from the Madhya Pradesh - Rajasthan Interstate boundary and appraised at Central level.

3. Lease Details

S.no	Grant of PI/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant		Granted by	Mine lease area in Ha
				From	To		
1	Mining lease vide order no F-2/163/96/12/1 in favour of Sh.Sharad Kumar Gagrani	19.06.1996	Laterite	28.10.1997	27.10.2017	Govt. of Madhya Pradesh	10.0
2	Transfer of Mining lease vide order no F-3/18/2005/12/1 in favour of Sh.Sajid Ali	30.04.2005	Laterite	30.04.2005	27.10.2017	Govt. of Madhya Pradesh	10.0
3	Lr No. F-19-5/2015/12/1 Bhopal	12.03.2015	Laterite	50 years(28.10.1997 to 21.10.2047)		Govt. of Madhya Pradesh	10.0
4	Order No. 1589/Khanij/2017, Neemuch	02.11.2017	Laterite	28.10.1997	27.10.2047	DMG	10.0

4. 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	28.10.1997	27.10.2017	No. F-3-157/ 97/

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	lease deed.			12/1 dated 24.10.1997
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5. Mining plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period		Details
				From	To	
1	DMG, Madhya Pradesh	Lr No. 2593 नस्ती क्रम ांक 44/एम.पी./सेल -3/2017 Bhopal	26.02.2020	2017-18	2021- 2022	Laterite, 10 Ha

6. The Project Proponent submitted that the method of mining will be opencast using HEMM without Drilling and Blasting. PP reported that the Total geological reserve is 2.36 Million Tonnes and Mineable Reserve is 1.97 Million Tonnes. The life of the mine will be 13 years. The proposed bench height will be 6.0 m(Max.) and width will be 15m (Operational) and 1.5m (Conceptual). Overall pit slope will be 25-30°. 20% of the production from the pit transported to Crusher in the form of boulders of more than 150 mm to crusher by dumpers for sizing to 20-30 mm and from crusher to Cement Plants by 20.0 Tonnes of Dumpers/trucks. There will no generation of waste as there is no overburden, interburden or mineral rejects in the deposit. PP reported that depth of mining is 6m bgl and water table exists at a depth of 25-30m bgl and there is no ground water intersection.

7. Water requirement

Total water requirement	5.0 KLD	Drinking & Domestic	0.5 KLD
		Green belt	2.0 KLD
		Sprinkling on haul road washing of machinery and at Crusher	2.5 KLD
Source	Nearby village Soniyana		

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

Particulars	Distance	Direction
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Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Soniyana Village	0.5 km	SE
Primary School, Soniyana Village	0.5 km	SE
Neemuch Town	8.0 km	NE
National Highway Neemuch - Mandsour - NH 79	8.05 km	E
Neemuch Railway Station	8.0 km	NE
Harkiyakhadar Pond	9.5 km	SW

9. The Project Proponent submitted that there is no forest land involved in the mining lease area and obtained Letter from DFO vide Lr no Ma.Chi/ 2020/2525, Neemuch dated 09.07.2020. PP further submitted that there is no National Park, Wildlife Sanctuary, Eco Sensitive Zone, Tiger/Elephant Reserves, Biosphere Reserve, Wildlife Corridor within 10km radius of the study area.

10. The Project Proponent submitted that at the end of mine life total 3.47 hectares area will be covered under plantation which includes 1.259 Ha of Fresh ground including barrier zone and 2.211 Ha of Plantation over excavated and reclaimed area. The existing no. of saplings is 300 no.s over an area of 0.288 Ha and Proposed No of saplings during plan period is 600 no.s over an area of 0.566 Ha.

11. The Project Proponent submitted the Cluster letter around 500m radius vide Lr. No 278/Khanij/2020, Neemuch dated 02.03.2020 that 3 mines are located within 500m radius. PP submitted the past production details duly authenticated by Collector, Department of Mining vide Lr 1840/Khanij/2017, Neemuch dated 22.11.2017 for the period 1998-1999 to 2011-2012.

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

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

14. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Project Cost	Rs. 1.85
Employment	18 persons

15. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June,2021 to 1<sup>st</sup> July 2021. After detailed deliberations on the proposal, the Committee noted that this is a violation of the EIA Notification 2006 and subsequent amendments as PP has been operating the quarry without obtaining Environmental

Clearance. 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.

16. In view of the above, the Committee **recommended** the proposal of Shri. Sajid Ali for grant of Standard Terms of Reference for Soniyana Laterite mine with production capacity of Laterite - 1.5 Lakh Tones/annum, Top Soil (O/B)-Nil, Inter burden(I/B)-Nil, Sub Grade/Mineral Reject-Nil (Total Excavation: 1.5 Lakh Tones/annum) in the mine lease area of 10.00 Ha (M.L. 4/97) at Village Soniyana, Tehsil Jiran, District Neemuch, Madhya Pradesh for undertaking detailed EIA/EMP study with the following specific term of reference for this project:

- i. The State Government/SPCB to take action against the project proponent under the provisions of the Environment (Protection) Act, 1986 and further no consent to operate to be issued till the project is granted EC.
- ii. The Project Proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
- vii. One season base line data to be collected and reported in the EIA/EMP report.
- viii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the Public.
- ix. The Project Proponent needs to carry out a cumulative impact assessment considering all the activities in the study area.
- x. The Project Proponent needs to submit the traffic management plan.
- xi. The Project Proponent needs to submit the complete details of the mining lease and mining plan along with subsequent renewals, CTE/CTO and past production details in a comparison table mentioning achieved Vs approved production as per mining plan, CTE/CTO and EC since inception of mine in Annexure III
- xii. The Project Proponent should 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.
- xiii. The Project Proponent needs to submit the District Survey Report as per Ministry's Notification S.O.3611(E) dated 25.07.2018
- xiv. The Project Proponent needs to submit the Affidavit as per Ministry's OM dated 30.05.2018.
- xv. The Project Proponent shall submit copy of lease executed document along with the EIA/EMP report at the time of appraisal of the proposal.

**3.4 Proposal for Terms of Reference of Shri. Sajid Ali for Soniyana Laterite mine with production capacity of 150000 TPA (ROM) in the mine lease area of 10.00 Ha (M.L. 3/97) near Village Soniyana, Tehsil Jiran, District Neemuch, Madhya Pradesh – [Proposal no: IA/MP/MIN/211844/2021; File No. IA-J-11015/41/2021-IA-II(M)] - Terms of Reference (ToR)**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 June, 2021 to 1 July, 2021

The Proposal of Shri. Sajid Ali is for grant of Term of Reference for Soniyana Laterite mine with production capacity of Laterite - 1.5 Lakh Tones/annum, Top Soil (O/B)-Nil, Inter burden(I/B)-Nil, Sub Grade/Mineral Reject-Nil (Total Excavation: 1.5 Lakh Tones/annum) in the mine lease area of 10.00 Ha (M.L. 3/97) at Village Soniyana, Tehsil Jiran, District Neemuch, Madhya Pradesh. The mine lease area located between Latitude 24° 23' 57.66" N to 24° 23'43.52" N and Longitude 74° 49' 55.94" E to 74°49' 42.52" E. The mine lease area falls under the Topo sheet No: 45 L/15 and falls in Seismic zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. Shri. Sajid Ali has made an online application vide proposal no. IA/MP/MIN/211844/2021 dated 10.05.2021 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the project attracts general condition as mining lease area located at a distance of 1.54 km, NW from the Madhya Pradesh - Rajasthan Interstate boundary and appraised at Central level.

**3. Lease Detail**

S.no	Grant of PI/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant		Granted by	Mine lease area in Ha
				From	To		
1	Mining lease vide order no F-2/163/96/12/1 in favour of Sh.Sanjeev Kumar	19.06.1996	Laterite	28.10.1997	27.10.2017	Govt. of Madhya Pradesh	10.0

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

	Gagrani						
2	Transfer of Mining lease vide order no F-3/18/2005/12/1 in favour of Sh.Sajid Ali	30.04.2005	Laterite	30.04.2005	27.10.2017	Govt. of Madhya Pradesh	10.0
3	Lr No. F-19-5/2015/12/1 Bhopal	12.03.2015	Laterite	50 years		Govt. of Madhya Pradesh	10.0
4	Order No. 1591/Khanij/2017, Neemuch	02.11.2017	Laterite	28.10.1997	27.10.2047	DMG	10.0

4. 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.	28.10.1997	27.10.2017	No. F-3-157/ 97/ 12/1 dated 24.10.1997

5. Mining plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period		Details
				From	To	
1	DMG, Madhya Pradesh	Lr No. 2588 नस्ती क्रम ांक 44/एम.पी./सेल -3/2017 Bhopal	26.02.2020	2017-18	2021-22	Laterite, 10 Ha

6. The Project Proponent submitted that the method of mining will be opencast using HEMM without Drilling and Blasting. PP reported that the Total geological reserve is 2.26 Million Tonnes and Mineable Reserve is 2.0 Million Tonnes. The life of the mine will be 13 years. The proposed bench height will be 6.0 m(Max.) and width will be 15m (Operational) and 1.5m (Conceptual). Overall pit slope will be 25-30°. 20% of the

production from the pit transported to Crusher in the form of boulders of more than 150 mm to crusher by dumpers for sizing to 20-30 mm and from crusher to Cement Plants by 20.0 Tonnes of Dumpers/trucks. There will no generation of waste as there is no overburden, interburden or mineral rejects in the deposit. PP reported that depth of mining is 3m bgl and water table exists at a depth of 25-30m bgl and there is no ground water intersection.

7. Water requirement

Total water requirement	5.0 KLD	Drinking & Domestic	0.5 KLD
		Green belt	2.0 KLD
		Sprinkling on haul road washing of machinery and at Crusher	2.5 KLD
Source	Nearby village Soniyana		

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

Particulars	Distance	Direction
Soniyana Village	0.5 km	SE
Primary School, Soniyana Village	0.5 km	SE
Neemuch Town	8.0 km	NE
National Highway Neemuch - Mandsour - NH 79	8.05 km	E
Neemuch Railway Station	8.0 km	NE
Harkiyakhadar Pond	9.5 km	SW

9. The Project Proponent submitted that there is no forest land involved in the mining lease area and obtained Letter from DFO vide Lr no Ma.Chi/ 2020/2524, Neemuch dated 09.07.2020. PP further submitted that there is no National Park, Wildlife Sanctuary, Eco Sensitive Zone, Tiger/Elephant Reserves, Biosphere Reserve, Wildlife Corridor within 10km radius of the study area.

10. The Project Proponent submitted that at the end of mine life total 3.47 hectares area will be covered under plantation which includes 1.259 Ha of fresh ground including barrier zone and 2.211 Ha of Plantation over excavated and reclaimed area. The existing no. of saplings is 300 no.s over an area of 0.288 Ha and Proposed No of saplings during plan period is 600 no.s over an area of 0.566 Ha.

11. The Project Proponent submitted the Cluster letter around 500m radius vide Lr. No 277/Khanij/2020, Neemuch dated 02.03.2020 that 3 mines are located within 500m radius. PP submitted the past production details duly authenticated by Collector,

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Department of Mining vide Lr 1839/Khanij/2017, Neemuch dated 25.12.2017 for the period 1998-1999 to 2011-2012. PP also submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing AY 925874 dated 23.06.2021 that 'There has been violation of the provisions of the EIA Notification dt. 14.09.2006 and amendments made thereafter and circulars and O.M. issued their under'.

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

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

14. The Project Proponent submitted the Affidavit cum Undertaking in a non-judicial stamp paper of Rs 100 bearing BA 129570 dated 23.06.2021 that "The data and information given in the TOR application enclosure and other documents to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost'.

15. Details of project cost and employment:

<b>Particulars</b>	<b>Budget (Rs. In Crore)</b>
Project Cost	Rs. 1.85
Employment	18 persons

16. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> – 30<sup>th</sup> June, 2021 and 1<sup>st</sup> July 2021. After detailed deliberations on the proposal, the Committee noted that this is a violation of the EIA Notification 2006 and subsequent amendments as PP has been operating the quarry without obtaining Environmental Clearance. 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.

17. In view of the above, the Committee during its meeting on 28 June, 2021 to 1<sup>st</sup> July,2021 **recommended** the proposal of Shri. Sajid Ali for grant of Standard Terms of Reference for Soniyana Laterite mine with production capacity of Laterite - 1.5 Lakh Tones/annum, Top Soil (O/B)-Nil, Inter burden(I/B)-Nil, Sub Grade/Mineral Reject-Nil (Total Excavation: 1.5 Lakh Tones/annum) in the mine lease area of 10.00 Ha (M.L. 3/97) at Village Soniyana, Tehsil Jiran, District Neemuch, Madhya Pradesh for undertaking detailed EIA/EMP study with the following specific term of reference for this project:

- i. The State Government/SPCB to take action against the project proponent under the provisions of the Environment (Protection) Act, 1986 and further no consent to operate to be issued till the project is granted EC.
- ii. The Project Proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

- vii. One season base line data to be collected and reported in the EIA/EMP report.
- viii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the Public.
- ix. The Project Proponent needs to carry out a cumulative impact assessment considering all the activities in the study area.
- x. The Project Proponent needs to submit the traffic management plan.
- xi. The Project Proponent needs to submit the complete details of the mining lease and mining plan along with subsequent renewals, CTE/CTO and past production details in a comparison table mentioning achieved Vs approved production as per mining plan, CTE/CTO and EC since inception of mine in Annexure III
- xii. The Project Proponent should 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.
- xiii. The Project Proponent needs to submit the District Survey Report as per Ministry's Notification S.O.3611(E) dated 25.07.2018
- xiv. The Project Proponent shall submit copy of lease executed document along with the EIA/EMP report at the time of appraisal of the proposal.

**3.5 Proposal for Environmental Clearance of M/s Dalmia Cement (Bharat) Ltd for Proposed Kesla-II Limestone Mine with total excavation 4.0 Million TPA (Limestone: 3.0 Million TPA, Top Soil: 0.15 Million TPA, Mineral Rejects & Waste: 0.85 Million TPA) with crusher capacity of 1000 TPH in the mine lease area of 357.067 ha located in villages Nahardih, Kharora, Kesla and Bardih, Tehsil Tilda, District Raipur, Chhattisgarh [Proposal No. IA/CG/MIN/72578/2018, F.No. J-11015/13/2018-IA-II(M)] - Environmental Clearance (EC)**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting
Date of Meeting	28 June, 2021 to 1 July, 2021

The Proposal of M/s Dalmia Cement (Bharat) Ltd is for grant of Environmental Clearance (EC) for Proposed Kesla-II Limestone Mine with total excavation 4.0 Million TPA (Limestone: 3.0 Million TPA, Top Soil: 0.15 Million TPA, Mineral Rejects & Waste: 0.85 Million TPA) with crusher capacity of 1000 TPH in the mine lease area of 357.067 ha located in villages Nahardih, Kharora, Kesla and Bardih, Tehsil Tilda, District Raipur, Chhattisgarh. The mine lease area located between Latitude 21°24'47.752" N to 21°26'09.246" N and Longitude 81°55'45.216" E to 81°56'54.195" E. The mine lease area falls under the Survey of India Toposheet No F44P15, F44P14, F44Q2 & F44Q3 and falls in Seismic Zone-II.

2. M/s Dalmia Cement (Bharat) Ltd has made an online application vide proposal no: IA/CG/MIN/72578/2018 dated 30.01.2018 and submitted the Form-2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Proposal for Environmental Clearance was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June,2021 to 1<sup>st</sup> July 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: -

- i. The Project Proponent needs to submit an undertaking that 212.012 Ha of undisturbed area as per the submission made to the Ministry will remain undisturbed and even after obtaining the surface rights, agriculture practices shall continue till the area is opened up.
- ii. The EMP on air quality management with equipment in place, its efficacy and cost for capital and recurring expenses to be submitted in a tabular form.
- iii. The Project Proponent needs to submit the water management plan for creation of water body of 90.705 Ha and its utilization for benefit of the agriculture and local people.
- iv. The Capital investment of Rs 4.0 Cr to address the concerns expressed by the people in the Public Hearing which focus on capital expenditure over a period of 3 years is required.
- v. Since exploration is not completely done and available mineral reserves are likely to increase, clear road map for next 30years along with tentative mining plan as per the current mining plan needs to be submitted.

- vi. The Committee noted that out of 357.067 Ha, Greenbelt/Plantation is proposed over an area of 43 ha, 7.5 m of peripheral planation, 6 Ha of safety zone and 30 Ha of backfilled area. Hence, The Project Proponent needs to submit the ecology restoration plan including green belt.
- vii. The Project Proponent needs to submit the eco restoration plan as per the mine closure plan up to 30 years and beyond 30 years i.e. to 50 years.
- viii. The Project Proponent shall obtain the NOC from CGWA for intersection of ground water table.

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

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 June, 2021 to 1 July, 2021

The Proposal of M/s Prism Johnson Ltd is for grant of Term of Reference for Bairiha Chormari Limestone mine with Limestone Production Capacity 3.0 Million TPA, Top Soil 0.094 Million TPA, Overburden Soil: 1.163 Million TPA & Waste 3.97 Million TPA (Total excavation – 8.227 Million TPA) in the mine lease area of 1580.981 ha at Villages: Bairiha & Chormari, Tehsil Rampur-Baghelan, District Satna, Madhya Pradesh. The mine lease area located between Latitude 24° 33'18.154" N to 24°36'38.701" N and Longitude 81° 03'8.833" E to 81° 08'7.723" E. The mine lease area falls under the Topo sheet No: 63H/2, 63H/3, 63D/14 & 63D/15 and falls in Seismic zone-II.

2. M/s Prism Johnson Ltd has made an online application vide proposal no. IA/MP/MIN/213660/2021 dated 01.06.2021 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> – 30<sup>th</sup> June, 2021 and 1<sup>st</sup> July 2021. The Member Secretary informed the Committee that the Project Proponent vide Lr ref no MIN/2021-210209 dated 26.06.2021 submitted that they are not able to attend the meeting. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and deferred the proposal for want of the following information:

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

**3.7 Proposal for Terms of Reference for Decorative Stone (Minor mineral) of M/s New Laxmi Granites, over an area of 49.922 Ha for a production of 72,036 TPA situated near village- Parsurampur, Tahasil-Paralakhemundi, District- Gajapati, Odisha – [Proposal no: IA/OR/MIN/203069/2021; File No. J-11015/389/2013-IA-II(M)] - Terms of Reference (ToR)**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 June, 2021 to 1 July, 2021

The Proposal of M/s New Laxmi Granites is for grant of Term of Reference for Decorative Stone (Minor mineral) of M/s New Laxmi Granites, over an area of 49.922 Ha for a production of 30,015 cum/annum situated near village- Parsurampur, Tahasil-Paralakhemundi, District- Gajapati, Odisha. The mine lease area located between Latitude 18°47'47.23316" N to 18°48'05.74900" N and Longitude 84°05'53.84260" E to 84°06'31.77901" E. The mine lease area falls under the Topo sheet No: 74 B/1 and falls in Seismic zone- II & III. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s New Laxmi Granites has made an online application vide proposal no. IA/OR/MIN/203069/2021 dated 11.03.2021 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the project attracts

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

general condition as mining lease area located at a distance of 3.5 km, South from Orrisa – Andhra Pradesh Interstate boundary and appraised at Central level.

3. The proposal for Terms of Reference was earlier considered in the 14<sup>th</sup> EAC meeting held during 20<sup>th</sup> -22<sup>nd</sup> Nov, 2013 wherein the Committee recommended the proposal for grant of TOR and the Ministry accorded TOR vide Lr No. J-11015/389/2013-IA.II (M) dated 22.01.2014 for a production of 2,250m<sup>3</sup>/annum to 30,000m<sup>3</sup> per annum. The proposal for EC was considered in the EAC meeting held during April 23-24, 2018 wherein the EAC mentioned that this is a case of violation as PP had not taken EC under the provisions of the EIA Notification 2006 and the instant proposal may be rejected and appraised as per the provisions of the violation Notification issued by the MoEF&CC vide S.O. 804 (E) dated 14th March 2017; afterwards PP needs to submit the proposal as per the provision of the amendments of the EIA Notification 2006 dated 15.01.2016. PP submitted that as violation portal was closed on 13.04.2018, PP couldn't able to apply. PP now applied for Terms of Reference stating that project proposal involved violation of EIA notification in Form 1. The proposal was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> – 30<sup>th</sup> June, 2021 and 1<sup>st</sup> July 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
				From	To		
1	Mining Lease No. III (QL)SM23/04 557/SM	15.01.2005	Decorative stone	10 years		Government of Orissa	49.922 Ha

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.	30.03.2005	29.03.2025	Lease deed executed on 24.03.2005 over an area of 49.922 Ha

6. Mining Plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period		Details
				From	To	

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

1	Directorate of Mines, Odisha – Approval of Scheme of Mining with PMCP	Memo no 317 0/DM	16.07.2020	2020-21	2024-25	Decorative stone, 49.922 Ha
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7. The Project Proponent submitted that the opencast semi mechanized method of mining will be adopted. PP reported that the Total geological reserve is 15,80,286 cum and Mineable Reserve is 10,32,015 cum. The life of the mine will be 30 years. The proposed bench height will be 6.0m and width will be more than height of the bench. Overall pit slope will be 45°. Drilling will be carried out by using jack hammers driven by air compressors. Depth of the hole will be 1.5m and diameter will be 32mm. No blasting. Tipper will be used for transporting metal stone and waste. During the proposed plan period a total of 6,00,525 cu.m of waste will be generated due to course of mining. However, about 40% of the generated waste will be utilized for maintenance and construction of the haul road, approach and existing roads in the surrounding areas periodically. Rest of the waste will be dumped over the existing waste dump of area 41,436 sq.m. PP reported that depth of mining is 180 mRL during plan period and ultimate depth is 110 mRL and the water table exists at a depth of 10-15m bgl and there is no ground water intersection.

8. Water requirement

Total water requirement	15.0 KLD	Dust Suppression	4.2 KLD
		Green belt/ Plantation	8.5 KLD
		Drinking & Domestic	2.3 KLD
Source	Bore well and mine sump		

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

Particulars	Distance	Direction
State Highway -34	~1.0 km	E
Paralakhemundi Railway Station	~2.3 km	SW

10. The Project Proponent submitted that there is no forest land involved in the mining lease area and obtained NOC from DFO vide Lr No 2581/4F; dated 03.06.2004. PP reported that the nearest forest is Boyakonda Protected Forest (~3.0 km, S). PP further submitted that there is no National Park, Wildlife Sanctuary, Eco Sensitive Zone, Tiger/Elephant Reserves, Biosphere Reserve, Wildlife Corridor within 10km radius of the study area.

11. The Project Proponent submitted that approx. 6750 saplings will be planted up to lease period. At the end of life of mine a total of 41,000 saplings will be planted.

12. The Project Proponent submitted the Cluster letter obtained from Mining Officer, Berhampur vide Lr No. 707/Mines dated 01.06.2018 that no granted ML area is coming within 500m radius from 49.922 Ha. PP submitted the Consent to Establish issued by the Odisha State Pollution Control Board vide No 1567/CON-2239/2012-13 dated 19.05.2012. PP also submitted the Consent to Operate issued by the Odisha State Pollution Control Board vide No 960/Ind-2239/2012-13 dated 27.06.2013 for a production capacity of 2115 cu.m/annum and was valid up to 31.03.2017.

13. The Project Proponent submitted the Past production details duly authenticated by Mining Officer, Berhampur vide Lr No Nil dated 04.07.2017 for the period 2005-06 to 2016-17. PP submitted that production started in the year 2005-2006 (756.465 cum) after obtaining CTO from Pollution Control Board. PP has enhanced the production capacity of the mines in the year 2008- 2009 (892.645 cu.m). Total Production Since 2008-09 is 9473.881 cu.m. Production was completely stopped since 2017-2018. PP also submitted the Affidavit in a non –judicial stamp paper of Rs 100 bearing K 936834 dated 31.03.2021 that 'I shall comply with all the statutory requirement & judgment of Hon'ble Supreme Court dated 2<sup>nd</sup> August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors'.

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

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

16. Details of project cost and employment:

<b>Particulars</b>	<b>Budget (Rs. In Crore)</b>
Project Cost	Rs. 1.0
Employment	52 persons

17. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> – 30<sup>th</sup> June, 2021 and 1<sup>st</sup> July 2021. After detailed deliberations on the proposal, the Committee noted that this is a violation of the EIA Notification 2006 and subsequent amendments as PP has been operating the quarry without obtaining Environmental Clearance and enhanced the production capacity of decorative stone from the base year of 2006-07. 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.

18. In view of the above, the Committee during its meeting on 28 June,2021 to 1<sup>st</sup> July,2021 **recommended** the proposal for grant of Standard Terms of Reference for Decorative Stone (Minor mineral) of M/s New Laxmi Granites, over an area of 49.922 Ha for a production of 72,036 TPA situated near village- Parsurampur, Tahasil-Paralakhemundi, District- Gajapati, Odisha for undertaking detailed EIA/EMP study with the following specific term of reference for this project:

- i. The State Government/SPCB to take action against the project proponent under the provisions of the Environment (Protection) Act, 1986 and further no consent to operate to be issued till the project is granted EC.
- ii. The Project Proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
- vii. One season fresh base line data to be collected and reported in the EIA/EMP report.
- viii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the Public.
- ix. The PP needs to submit the total excavation in tonnes including mineral, overburden, inter-burden, waste, top soil, rejects etc. to be handled and the management of topsoil and waste needs to be properly addressed in EIA/EMP report. 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.
- x. The PP needs to submit the Complete details of the mining lease and mining plan along with subsequent renewals, CTE/CTO and past production details in a comparison table mentioning achieved Vs approved production as per mining plan, CTE/CTO and EC since inception of mine in Annexure III
- xi. The Project Proponent should 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.
- xii. The Project Proponent needs to submit the District Survey Report as per Ministry's Notification S.O.3611(E) dated 25.07.2018.

**3.8 Proposal for Terms of Reference of M/s Prakash Industries Limited for Iron Ore mine (MLA: 274.896 ha) with production capacity of 1.2 MTPA along with 300 TPH crusher in Forest Compartment No's: 207, 208 and 214, forest range: Sahaspur Lohara, Forest Division: Kawardha, Eklama Village, Tehsil Bodla,**

**District Kabirdham, Chhattisgarh - [Proposal no: IA/CG/MIN/206037/2021; File No. IA-J-11015/28/2021-IA-II(M)] - Terms of Reference (ToR)**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 June, 2021 to 1 July, 2021

The Proposal of M/s Prakash Industries Limited is for grant of Term of Reference for Iron Ore mine (MLA: 274.896 ha) with production capacity of 1.2 MTPA along with 300 TPH crusher in Forest Compartment No's: 207, 208 and 214, forest range: Sahaspur Lohara, Forest Division: Kawardha, Eklama Village, Tehsil Bodla, District Kabirdham, Chhattisgarh. The mine lease area located between Latitude 21°53' 8.4282"N to 21°54'20.0793"N and Longitude 81°3' 36.9138"E to 81°5' 5.1644"E. The mine lease area falls under the Topo sheet No: 64 G/1 and falls in Seismic zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/ DSS.

2. M/s Prakash Industries Limited has made an online application vide proposal no. IA/CG/MIN/206037/2021 dated 25.03.2021 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Proposal for Terms of Reference was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June, 2021 and 1<sup>st</sup> July 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **deferred** the proposal for want of additional information: -

- i. The Project Proponent needs to submit the detailed composition of forest land with its ecological and economic value with habit and habitat for wildlife, birds and human habitations if any.
- ii. The Project Proponent needs to carry out the traffic study including carrying capacity of road for transportation of mineral from the mine to the plant.
- iii. The Project Proponent needs to submit the details of mineralized zone available in the total mining lease area of forest land.

- iv. The Project Proponent needs to submit the conceptual plan for broken up area for extraction of mineable reserves.

**DAY 4: 1<sup>st</sup> July, 2021 (Thursday)**

**4.1 Request for NOC for operating mineral pulverizing unit of M/s Trimex Sands Pvt. Limited.**

Project Proponent vide letter dated 22.06.2020 submitted the request for NOC from MoEF&CC. PP submitted that NOC is required to consider the applications by AP Pollution Control Board and other authorities for grant of approval to restart the Mineral Separation Plant and Ball Mill, which were part of the EC granted integrated mining project currently not in operation. The proposal was placed in the EAC (non-coal) meeting held during 28 June, 2021 to 1 July, 2021.

2. PP submitted that “Trimex Sands Pvt. Limited was operating a beach sand mineral mining project to separate beach sand minerals at Vatsavalasa & Tonangi Villages in Srikakulam District, Andhra Pradesh. The project area falls in the Survey of India Topo Sheet No 74 B/3, B/4, and B/7. The said project involves.

- i. Mining of beach sand minerals (RoM) containing five minerals viz. Ilmenite, Rutile, Zircon, Garnet and Sillimanite.
- ii. Processing of beach sand minerals in Pre-Concentration Plants (PCP) to produce mineral concentrates containing all minerals.
- iii. The concentrates from PCPs are subjected to physical separation as individual minerals in a Mineral Separation Plant (MSP).
- iv. Part of the Sillimanite produced is pulverized in a Ball Mill situated within the MSP.

4. PP submitted that the MSP and Ball Mill are situated outside the mining lease area in company owned land at about 0.5 km from the mining lease area towards the land ward side (1.5 km by road). PP also submitted that the Mining, PCPs, MSP and Ball Mill were considered as an integrated project and Environmental Clearance was granted by MoEF & CC- vide No.J-11015/175/2011-IA.II (M) dated 17.04.2015. The project was in operation till 2018.

5. Further, PP submitted that the Ministry of Mines Govt. of India issued vide notification no. G.S.R 134 (E) dated 20.02.2019 and reserved mining of beach sand minerals for Govt companies. The notification prohibits mining of beach sand minerals by private companies. Thereafter, our PCPs, MSP and Ball Mill operations have also stopped since then due to non-operation of the Mine. As per the said notification, the MoEF & CC has revoked the Environmental Clearance of the integrated project- vide

F.No.Z-11012/11/2018-IA.II(M) dated 24.05.2019. In view of the notification restricting private companies EC's revoked, the MSP and Ball Mill, which are situated outside the mining lease area, are not covered under any approvals granted by MoEF & CC now. M/s Trimex Sands Pvt. Limited propose to restart the MSP and Ball Mill situated outside the mining lease area as a standalone unit, by sourcing mineral concentrates from Govt/Govt approved companies in India or abroad. M/s IREL vide their letter dated 12.01.2021 have communicated their willingness to supply raw material for the ball mill operation. The proposal will not involve any mining activity of beach sand minerals.

6. M/s Trimex Sands Pvt. Limited also informed that recently APMDC floated a tender for sale of beach sand mineral concentrates from nearby area. But we could not participate as our MSP is not in operation. Otherwise, we could have added more value to the concentrate by separating all minerals, which would have benefited the Govt also in the form of more revenue.

7. Further PP also submitted that an investment of about Rs 270.00 Cr made in the MSP and Ball Mill are idle since 2019. If restarted, MSP & Ball Mill could provide employment to about 600 local people, directly and indirectly. It is pertinent to submit here that there are few beach sand mineral separation plants operating in the SEZ area of Vizag and in nearby districts by sourcing concentrate from India and abroad.

8. In this connection, PP submitted that they have applied to AP Pollution Control Board (APPCB) for grant of permission to operate the Ball Mill as standalone unit. APPCB have rejected our application for want of NOC from MoEF & CC since MSP and Ball Mill, though situated outside the mining lease area, were part of the integrated mining project for which EC was granted by MoEF&CC and revoked later. PP also submitted that another application filed with APPCB recently to grant permission to operate the MSP is also not considered mentioning requirement of NOC from MOEF & CC.

9. Therefore, M/s Trimex Sands Pvt. Limited. requested EAC to consider and issue NOC to seek relevant approvals from the State Pollution Control Board and other authorities for the operation of the Mineral Separation Plant and Ball Mill as standalone unit as mentioned above.”

10. After detailed deliberation, the EAC opined that, as per the EIA notification, 2006, there is no provision to grant NOC. As per the EIA notification, 2006 as amended time to time only prior Environmental Clearance is granted before establishing activities listed under the Schedule. The said proposal is for running beneficiation plant which is located outside the Mine lease area thus, the activity of Mineral beneficiation is listed in the Schedule of EIA notification at serial no 2(b).

11. Further, the Committee opined that Ministry of Mines also issued an Order no 1/1/2019-M.VI dated 1 March, 2019 inter-alia stating that the Beach sand minerals mineral concessions held by a Government company or corporation owned or controlled by the Government and which are not in contravention of any of the provisions of the Minerals (Development and regulation) Act, 1957 and the rules framed there under shall continue hence forth, any mineral concession of Beach Sand Minerals shall be granted to a Government company or corporation owned or controlled by the Government under the provisions of the Atomic Minerals Concession rules, 2016.

12. Ministry of Mines, Govt. of India issued an OM vide letter F.No.7/6/2019-M.IV dated 29th March, 2019 inter-alia stating that “Ministry of Mines in consultation with stakeholder Departments of State Governments has exercised the powers conferred under Section 4A(1) of the MMDR Act in the interest of regulation of mines and minerals development and conservation of mineral resources to prematurely terminate all the existing minerals concession of Beach Sand Minerals held by Private person/company in the country. And also requested to this Ministry not to grant any clearance of any type for mineral concession of Beach Sand Minerals held by Private Person/company”.

13. Accordingly, this Ministry issued a circular no F.No.22-19/2019-IA.III dated 11th April, 2019 inter-alia stating that Ministry of Mines has requested to this Ministry not to grant clearances of any type of Mineral concessions of Beach Sand Minerals held by private person/company and comply the directions of Ministry of Mines.

14. Accordingly, Ministry revoked the EC and CRZ clearances vide letter no Z-11012/11/2018-IA.II(M) dated 24.05.2019 and Z-11011/11/2018-IA.II(M) dated 12<sup>th</sup> July, 2019 granted to the M/s Trimex Sands Pvt. Limited.

15. In view of the above the Committee observed that that the instant proposal is covered under category of 2(b) of EIA notification, 2006, which is standalone and outside the mine lease area. EAC-non coal Committee cannot appraise the instant proposal. Further, Ministry of Mines O.M dated 29.03.2019 requested this Ministry, not to grant clearances of any type for mineral concessions of beach sand minerals held by private person/company. Accordingly, MoEF & CC issued O.M vide dated 11.04.2019. Hence the committee **returned the proposal**.

**4.2 Proposal for Environmental Clearance of M/s National Aluminium Company Limited (NALCO) for Pottangi Bauxite Mine with Total Excavation - 3.893 Million TPA (Production Capacity of 3.5 Million TPA (ROM), Top Soil - 0.047 Million TPA, Over Burden - 0.346 Million TPA) in the mine lease area of 697.979 ha at Pottangi**

**Village, Pottangi Tehsil, Koraput District, Odisha – [Proposal no: IA/OR/MIN/69870/2017; File No. IA-J-11015/8/2018-IA-II(M)] - Environmental Clearance (EC)**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 June, 2021 to 1 July, 2021

The Proposal of M/s. National Aluminium Company Limited (NALCO) is for grant of Environmental Clearance (EC) for Pottangi Bauxite Mine with Total Excavation - 3.893 Million TPA (Production Capacity of 3.5 Million TPA (ROM), Top Soil - 0.047 Million TPA, Over Burden - 0.346 Million TPA) in the mine lease area of 697.979 ha at Pottangi Village, Pottangi Tehsil, Koraput District, Odisha. The mine lease area located between Latitude 18° 34' 31.130" to 18° 37' 06.481" N and Longitude 82° 57' 08.053" to 82° 59' 49.967"E. The mine lease area falls under the Survey of India Toposheet No E44 K/14, E44K/15, E44L/2, and E44 L/3 and falls in Seismic Zone-II.

2. M/s. National Aluminium Company Limited (NALCO) has made an online application vide proposal no: IA/OR/MIN/69870/2017 dated 05.03.2020 and submitted the Form-2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The proposal was earlier considered in EAC Meeting held during 23-25 Sep, 2020 wherein the EAC decided to return the proposal in present form and suggested the PP to incorporate the additional information and resubmit the EIA/EMP report for further consideration. The Project Proponent submitted the information on 07.04.2021 sought by the EAC.

4. The Proposal for Environmental Clearance was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June, 2021 to 1<sup>st</sup> July 2021. The Committee noted that the total lease area of 697.979 ha is a forest land and Project Proponent has not obtained the Stage-I Forest Clearance yet. Hence, the Committee was of the view that the proposal cannot be considered and PP shall approach the Ministry after obtaining Stage-I Forest Clearance. Therefore, the Committee **returned the proposal in present form.**

**4.3 Proposal for Environmental Clearance of M/s. Springway Mining Private Limited for Proposed Limestone Mine with Production Capacity of 4.0 MTPA in the mine lease area of 499.641 ha at Village- KolKarhiya, Tehsil Pawai, District-**

**Panna, Madhya Pradesh – [Proposal no: IA/MP/MIN/27304/2015; File No. J-11015/114/2015-IA.II(M)] - Environmental Clearance (EC)**

**EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup>
Date of Meeting	28 June, 2021 to 1 July, 2021

The Proposal of M/s. Springway Mining Private Limited is for grant of Environmental Clearance (EC) for Proposed Limestone Mine with Production Capacity of 4.0 MTPA in the mine lease area of 499.641 ha at Village- KolKarhiya, Tehsil Pawai, District- Panna, Madhya Pradesh. The mine lease area located between Latitude 24<sup>o</sup>15'29.02" N to 24<sup>o</sup> 17' 09.55" N and Longitude 79<sup>o</sup> 48'24.91" E to 79<sup>o</sup>50'21.15" E. The mine lease area falls under the Survey of India Toposheet No 54P/15 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/ DSS.

2. M/s. Springway Mining Private Limited has made an online application vide proposal no: IA/MP/MIN/27304/2015 dated 31.05.2019 and submitted the Form-2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The proposal was earlier considered in 7th EAC Meeting held during July 30-31, 2019 wherein the Committee after detailed deliberations, deferred the proposal and sought the requisite information/clarifications. The Project Proponent vide LrRef.No: SMPL/DMO/Project/2021/65 dated 04.06.2021 submitted the information sought by the EAC.

4. The Proposal for Environmental Clearance was considered in the 32<sup>nd</sup> EAC meeting held during 28<sup>th</sup> June, 2021 to 1<sup>st</sup> July 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **deferred** the proposal for want of additional information: -

- i. The EMP budget of Rs 4.50 Cr for addressing the concerns expressed by the public shall be verifiable and monitorable. The allocated budget has to be spent over a period of 3 years. Detailed breakup of each activity and its location needs to be indicated. The capital and recurring expenditure to be incurred needs to be submitted.

- ii. The Project Proponent should submit the year-wise, activity wise and time bound budget earmarked for EMP. PP should assign the recurring cost on the EMP cost and has to be spent every year. Total EMP cost should also include the cost of dust control equipment's, continuous noise level monitoring, monitoring of ground vibration, green belt, plantation in non-mineralized zone and avenue plantation.
- iii. The Project Proponent needs to revise the EMP cost for Greenbelt/Plantation.
- iv. The Project Proponent needs to submit the detailed plan for accessing each block with the mineable reserves and production proposed for the entire life of mine.
- v. The Project Proponent needs to submit the mineral content available in 7 blocks and the area covered. Area which will not be disturbed must be indicated.
- vi. The Project Proponent needs to submit the plan for area to be backfilled i.e.,241.84ha and water management plan for creation of water body of 94.94 Ha and its utilization for benefit of the agriculture and local people.
- vii. The Project Proponent needs to submit the engineering design for garland drains, check dams, check filtersand embankment and its efficacy to mitigate the potential impact of water body.
- viii. The mining methodology of proposed bench height and width is not conducive.
- ix. The Project Proponent shall make safety barrier of 50m for plantation and for accessing the village road.
- x. The Project Proponent shall obtain the permission from National Tiger Conservation Authority and also needs to revise the letter obtained from Chief Wildlife Warden clearly indicating the distance of core and buffer zone from the mining lease boundary.

**4.4 Proposal for Terms of Reference for the proposed kumbhewade Bauxite Ore Mine with the production capacity of 0.83 MTPA (Total excavation 1.83 MTPA) with installation of 3 mobile crushers (2x200 TPH & 1x150 TPH) and 2 mobile Screening plants (1x250 TPH & 1x150 TPH) in the Mining lease area of 95.577 ha located at Village Kumbhewade, Taluka Rajapur, District Ratnagiri, Maharashtra by M/s Veet Rag Exploration and Minerals Private Limited – [Proposal no: IA/MH/MIN/213188/2021; File No. IA-J-11015/48/2021-IA-II(M)] – (ToR)**

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

**1. EAC Meeting Details:**

EAC meeting	32 <sup>nd</sup> EAC Meeting (Non coal mining )
Date of Meeting	28 June, 2021 to 1 July, 2021

**2. Project details:**

Name of the Project	Proposal for ToR for the proposed kumbhewade Bauxite Ore Mine with the production capacity of 0.83 MTPA (Total excavation 1.83 MTPA) with installation of 3 mobile crushers (2x200 TPH & 1x150 TPH) and 2 mobile Screening plants (1x250 TPH & 1x150 TPH)	
Location	Village	Kumbhewade
	Tehsil/Taluka	Rajapur
	District	Ratnagiri
	State / UT	Maharashtra
	Latitudes	16 <sup>o</sup> 30'31.61"N to 16 <sup>o</sup> 31'26. 23" N
	Longitudes	73 <sup>o</sup> 27'04.11" E to 73 <sup>o</sup> 27'56.74"E
	Sol Topo sheet No.	47H/6,47H/7,47H/10,47H/11
Company Name	M/s Veet Rag Exploration and Minerals Private Limited	
Accredited Consultant Organisation and its certificate no.	J.M. EnviroNet Pvt. Ltd.Accredited EIA Consultant by NABET (QCI) Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023	
KML file	Submitted	
Seismic zone	III	

**3. Category details:**

Category of the project	Category "A" Project and S. No. 2, Project or Activity 2 (b) - 3 for "Mineral Beneficiation"
Provisions	EIA Notification, 2006
Mining lease Area (MLA) (in ha.)	95.577 Ha
Additional information (if any)	General Condition: Notified Eco-Sensitive Zone. Western Ghats is at ~1km from the lease boundary in NE Direction.

**4. ToR Details**

ToR Proposal No.	IA/MH/MIN/213188/2021
Online application date for Form-I	29.05.2021
Documents Submitted	Form-1, PFR, KML

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

EAC meeting date	32nd EAC (Non Coal) Meeting
ToR Letter No.	Yet to be obtained
ToR grant date	Yet to be obtained
Production capacity(TPA)	Bauxite production capacity: 1.0 million TPA
Soil	Nil
Waste	0.83 Million TPA
Others	Nil
Total Excavation	Total Excavation – 1.83 million TPA
Crusher	3 mobile crushers (2 x 200 TPH & 1 x 150 TPH) and 2 mobile Screening plants (1x250 TPH & 1x150 TPH)
Additional information	<ul style="list-style-type: none"> <li>• ToR letter for the proposed kumbhewade Bauxite Ore Mine with the production capacity of 0.83 MTPA (Total excavation 1.83 MTPA) was issued on 13.04.2007. On the basis of issued ToR, public hearing documents were prepared and submitted on 28.08.2007.</li> <li>• Public hearing was conducted on 17.10.2007; but it got stormy and could not be completed.</li> <li>• Company sought opinion from Dr. B.S Konkan Krishi Vidhyapith, Dapoli in the matter of impact of mining on mango trees if any as demanded by public. The legal opinion from MPCB, Government of Maharashtra was received on 10.05.2010 for not holding the public hearing again.</li> <li>• Meanwhile, ToR validity was expired. Hence, Application for revalidation/fresh TORs was made by the company to the MoEFCC, New Delhi vide letter no. VRHPL/L/12/633 dated 27.09.2012.</li> <li>• The project was considered in 14<sup>th</sup> EAC Meeting held on 22.11.2013 &amp; was rejected by MoEF&amp;CC vide letter dated 22.01.2014 on account of continuing moratorium in Ratnagiri district as per OM. J-21011/58/2010-IA-I dated 17.10.2013.</li> <li>• The request letter was submitted on 04.04.2014 for reconsideration of proposal &amp; the project was again rejected vide letter dated 25.07.2014 since project site was falling in the area which is located in proposed ESA of Western Ghats as per the direction dated 13.11.2013 issued vide no. F. No. 1-4/2012-RE (pt.) under Section 5 of E(P)A, 1986 by the MoEF&amp;CC.</li> <li>• Project proponent again submitted a request letter dated 30.09.2015 for reconsidering the proposal for grant of fresh TORs.</li> <li>• Meanwhile a letter was also obtained from DFO regarding the authentication of distance along with certified location map vide letter dated 10.02.2017.</li> <li>• Another request letter was submitted on 30.03.2017 for</li> </ul>

	<p>reissuance of ToR and a letter was sent to PCCF, Nagpur from MoEF&amp;CC on 05.05.2017 to certify whether the mine lease area falls within ESA proposed by the High Level Working group or not.</p> <ul style="list-style-type: none"> <li>• On 24.10.2017 a request letter was submitted for issuance of ToR and in meanwhile a letter was written to DGM for authentication of distance of Boundary of ESA of Western Ghats on 08.11.2017 and the letter regarding the same was issued on 18.12.2017 showing lease boundary at a distance of 1 km from the boundary of Western Ghats.</li> <li>• A letter was also written to Environment Department, Mumbai Maharashtra on 20.08.2018 in response of which Government of Maharashtra vide letter dated 03.10.2018 requested MOEFCC for considering TOR Application as per applicable rules considering latest available developments in the draft ESA notification.</li> <li>• The directions issued on 13.11.2013 clearly suggests prohibiting certain categories of activities including mining, quarrying and sand mining except the cases which have been received/pending in Expert Appraisal Committee/MoEF or State Level Environment Impact Assessment Authority/State Level Environment Impact Assessment Authority before 17.04.2013, when the report of High Level Working Group headed by Dr. K. Kasturirangan, Member (Science) Planning Committee was placed on the website of Ministry.</li> </ul>
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## 5. Lease Detail

Mining lease granted by Govt. of Maharashtra	In favor of	M/s. Veet Rag Homes Pvt. Ltd.
	Order no.	MMN-1002/396
	Date	25.09.2003
Execution of mine lease deed	Letter No.	-
	Date	01.03.2004
	Registration date	03.03.2004 up to 02.03.2034
Lease validity	As per section 8A of MMDR Amendment Act 2015, the lease validity is 17.03.2054	
Additional information	The name of company was changed from M/s. Veet Rag Homes Pvt. Ltd. to M/s. Veet Rag Exploration & Minerals Pvt. Ltd. w.e.f. 21 <sup>st</sup> December, 2017. Certificate regarding the same has been obtained from Ministry of Corporate Affairs.	

## 6. Mining plan

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	RMP/MECH-6(MAH)/GOA/2020-21
	Date	8 <sup>th</sup> April 2021
Additional information	Review of Mining plan with PMCP has been approved by IBM, Goa. The validity is till 30th September 2022.	
<b>Mining Parameters</b>	<b>Quantitative Description</b>	
Bench Height	5 m	
Bench width	10 m	
Method of Mining	Fully Mechanized Opencast mining	
Individual bench slope	85 <sup>0</sup>	
Overall pit slope	45 <sup>0</sup>	
Total Mineable reserves (tones)	1532640	
Proposed Life of the Mine	2 years	
Ultimate Working Depth	14 m	
Drilling/Blasting	<p><u>Drilling Parameters</u> Drilling or blasting will be undertaken occasionally for Bauxite production in case of harder strata encountered. The operations involved are drilling by using 115 m dia Crawler Mounted DTH drill powered by High Pressure portable compressor for drilling holes of 5.5 depth, 50 m sub-drilling, with a spacing of 2.5 m and burden of 2.0 m.</p> <p><u>Blasting Parameters</u> Blasting will be done using slurry explosive in conjunction with Nonel and electric detonators. Controlled Blasting will be undertaken so that minimum fly rock generation and ground vibration are there.</p>	
RoM output size	25-50mm	
Transportation details	Loading of bauxite and intercalated waste will be done by 2.5 cum excavator and transported to pit head by 25 tonnes capacity tippers. This blasted rock will be subjected to manual sorting at the site of excavation and then to crushing through mobile crushers (in the second year). The crushed ore will be loaded by loaders into 10 tonnes capacity of hired trucks/tippers for transportation to the buyers.	

**7. Land Area Breakup**

Private land	95.577 ha (Agricultural land)
Government land	-
Total Mining lease area (MLA)	95.577 ha
Private land for crusher, workshop & other infrastructure outside the MLA	<ul style="list-style-type: none"> <li>• Crusher with other requisite infrastructure will cover 0.2 ha at operational phase.</li> <li>• There is no provision of workshop</li> <li>• No activity is proposed outside the lease area.</li> </ul>
Additional information	Out of 95.577 ha, 20 ha is under possession of M/s. Veet Rag Exploration & Mineral Pvt. Ltd.

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

Particulars	Particular's Name	Distance & Directions
Nearest village	Harchiwadi Kumbhewade	~0.5 km in South Direction ~1.5 km in East direction
Nearest Town	Rajapur	~ 14.5 km in NNE direction
Nearest Airport	Goa International airport	130 km in SSE direction
Nearest Highway	SH- 115	~2.5 km in South direction
Nearest River	Vagothane	1.5 Km flowing in the E - W direction
Nearest Railway Station	Rajapur Road Railway Station	~ 22 km in NE direction
Inter District Boundary	Ratnagiri & Sindhudurg, Maharashtra	1.2 Km in SSW direction

**9. Water requirement**

Total water requirement	70 KLD	Domestic	10 KLD
		Greenbelt	10 KLD
		Dust suppression	50 KLD
Source	Tube well (drinking) and harvested rain water		
Permission	Under process		
Additional information	Fresh water will be 62 KLD and treated water will be 8 KLD		

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

Forest Area/Environmental Sensitivity Zone	Land/Protected	Yes/No	Details of Certificate/letter/Remarks
Forest Land		No	Western Ghats ESA boundary is about ~1 Km away from mine boundary.
National park		Yes	
Wildlife Sanctuary		No	

**11. Green belt/plantation details**

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

Proposed area for green belt	18.60 ha	Density	2500/ha along the lease periphery
Greenbelt	Native Plant species will be planted after consultation with local forest officer and as per CPCB guidelines. Besides, some medicinal and fodder plants will be planted in consultation with Forest Department		
Proposed area for plantation	76.977 ha backfilled area		
Additional information	It is proposed to convert the land into "Orchard (Mango or other predominant fruit bearing trees of the area). Plantation will be done @2500 trees/ha		
Budget for green plant & plantation till the end of life of mine.	Rs. 15 Lakhs		

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	18.6 ha
50 m safety zone of nallah, roads, electric lines	-
500 m safety zones of nearest habitation villages	-
Additional information (if any)	Plantation will be done on backfilled area i.e, 76.977 ha

**12. Court case details**

Court Case	No
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**13. Affidavit/Undertaking details**

Affidavit as per Ministry's OM dated 30.05.2018	Submitted on a non-judicial stamp paper of Rs 100 bearing XM263710 dated 29 <sup>th</sup> May 2021 stating 'To comply with all the statutory requirement & judgment of Hon'ble Supreme Court dated 2nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Others.'
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**14. Details of project cost and employment:**

Particulars	Details
Total Cost for EMP	Rs. 2.25 Crore
Recurring Cost for EMP	Rs. 2 lakh/annum
Project Cost	5 Crore
Employment	145 persons

**15. Observation of the Committee:** The Committee observed that the project was considered in the 14<sup>th</sup> EAC Meeting held on 22.11.2013 & was rejected by MoEF&CC vide letter dated 22.01.2014 on account of continuing moratorium in Ratnagiri district as per OM. J-21011/58/2010-IA-I dated 17.10.2013. However, various request letters were submitted for reconsideration of proposal & the project was again rejected vide letter dated 25.07.2014 since project site was falling in the area which is located in

proposed Eco sensitive Area (ESA) of Western Ghats as per the direction dated 13.11.2013 issued vide no. F. No. 1-4/2012-RE (pt.) under Section 5 of E(P)A, 1986 by the MoEF&CC, which is still in force. The project was earlier rejected on account of the direction under Section 5 of E (P)A, 1986 issued by the MoEF&CC on 13.11.2013, which is still very much operational.

**16. Recommendation of the Committee:** Committee noted that in compliance of the various judgment/order issued by the Hon'ble Supreme Court of India as well as Hon'ble National Green Tribunal, the direction dated 13.11.2013 issued by the MOEF&CC under Section 5 of the Environment (Protection) Act, 1986 and the draft Notification of Eco-Sensitive Area of Western Ghats dated 27.02.2017 and 3.10.2018 as amended time to time, the mining activities are prohibited. Therefore, after detailed deliberations made by the Project Proponent and the Consultant, the Committee **rejected the proposal**. Further, PP shall re-submit the proposal as and when the draft Notification of Eco-Sensitive Area (ESAs) of Western Ghats will get finalized.

**List of members of Expert Appraisal Committee participated through VC**

S.No.	Member Name	Member Address	Designation	28 <sup>th</sup> June 2021	29 <sup>th</sup> June 2021	30 <sup>th</sup> June 2021	1 <sup>st</sup> July 2021
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada,	Member	Yes	Yes	Yes	Yes

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

		Ghodbunder Road, Thane (West) - 400610, Maharashtra					
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad- 500025, Andhra Pradesh	Member	Yes	Yes	Yes	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes	Yes	Yes	Yes
5	Shri Santosh Gupta	Flat No. 405, Block -B, Gaur Green Vista, NyayKhand - 1, Indrapuram, Ghaziabad- 201014	Member	Yes	Yes	Yes	Yes
6	Dr. (Ms.) Asha Rajvanshi	Wildlife Institute of Inida, Chandrabani, Dehradun- 248001	Member	Yes	Yes	Yes	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	No	Yes	Yes	Yes
8	Dr. A.K. Malhotra	C-6, SubhavnaNiketan, Road No. 41, Pitampura, Delhi- 110034	Member	Yes	Yes	Yes	Yes

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

9	Dr. Gurdeep Singh	Centre of Mining Environment, Department of Environmental Science & Engg. Indian Institute of Technology (Indian School of Mines), Dhanbad-826004	Member	Yes	Yes	Yes	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	Yes	Yes	Yes	Yes
11	Prof. Mukesh Khare	Department of Civil Engineering, IIT, Delhi	Member	No	Yes	No	No
12	Mr. V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, Mausam Bhawan, Lodi Road, New Delhi – 110003	Member	No	No	No	No
13	Sh. Pankaj Kulakshethra	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur - 440001	Member	No	No	No	No
14	Sh. Aftab Ahmend	Representative of DGMS, DMS, Room No. 201-203, II Floor, B- Block, CGO-II,, Hapur Rd, Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh 201002	Member	No	No	No	No

Minutes of 32<sup>nd</sup>EAC Meeting held during 28<sup>th</sup> June and 1<sup>st</sup> July 2021

15.	Shri Pankaj Verma	2 <sup>nd</sup> Floor, Prithvi Block, Indira ParyawaranBhawan, MoEF&CC, Jorbhag, New Delhi- 110003	Member Secretary	Yes	Yes	Yes	Yes
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