

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

SUMMARY RECORD OF 38th MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 38th 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 29th – 30th September, 2021 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0.0) Deliberation & Circulation on the Minutes of the 37th EAC meeting held during 15th – 17th September, 2021.

The minutes of 37th EAC meeting held during 15th – 17th September, 2021 were placed before the members of the Committee.

DAY 1: 29.09.2021 (Wednesday)

1.1 Proposal for Environmental Clearance for proposed expansion of Quartz & Feldspar Mining Project for enhancement of production from 12,000 TPA to 6,00,000 TPA in the mine lease area of 130 ha (M.L. No.-01/1993) located at Village: SanwalpuraTavran, Tehsil: Sri Madhopur, District: Sikar, Rajasthan by M/s Goyal Mineral Grinding Mills - [Proposal no: IA/RJ/MIN/204157/2017; File No. J-11015/49/2017-IA.II(M); Consultant: N.S. Enviro-Tech Laboratories & Consultant] – EC

1. EAC Meeting Details:

EAC meeting	38 th EAC Meeting
Date of Meeting	29 th – 30 th September, 2021

2. Project details:

Name of the Proposal	Expansion of Quartz & Feldspar Mining Project, M.L.No. 01/1993, Area 130.0 Ha, Near Village SanwalpuraTavran, Tehsil Shri Madhopur, District Sikar (Rajasthan), M/s Goyal Minerals Grinding mills.	
Location	Village	SanwalpuraTavran
	Tehsil/Taluka	Shri Madhopur
	District	Sikar
	State / UT	Rajasthan
	Latitudes	27° 34'3.88" N to 27° 33'53.9" N
	Longitudes	75° 54'24.56" E to 75° 53'57.62" E
	Sol Topo sheet No.	45M/14
Company's Name	M/s Goyal Minerals Grinding Mills	
Accredited Consultant and certificate no.	N.S. Enviro-Tech Laboratories & Consultants	
KML file	Submitted	
Seismic zone	II	

3. Category details:

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	EIA Notification 2006
Mining lease Area	130.0 Ha.

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/64032/2017
Online application date for Form-I	19/04/2017
Documents Submitted	18/04/2017
ToR Letter No.	No. J-11015/49/2017-IA.II(M)
ToR grant Date	November 09, 2017
Production capacity	6,00,000 TPA(ROM)
Total Excavation	22.48 Ha.

EIA/EMP uploaded on	21 April, 2021
Previous EC details	No. J-11015/19/99-IAII(M) dated December 2, 1999
Date of earlier EAC meetings	31 st EAC Meeting held during 9 th to 11 th June and 14 th to 15 th June, 2021, wherein the Committee deferred the proposal due to absence of project proponent.

5. Lease Details:

Mine lease	Area	130.0 Ha.
	In favor of	Shri Net Ram Goyal
	Minerals	Silica sand, Mica, Quartz, and Feldspar
	Order no.	DMG/Neem/C.C-6/ P.1 (1)1/93/375
	Date	07.05.1998 for 30 Years from the date of lease execution
Execution details	The lease was executed on dated 24.04.1998 to 23.09.2048.	
Granted Prospecting License	Execution date	24/09/1988
	PL No.	01/1993
Validity of mine lease	23/09/2048	
Additional information	<p>This is an existing Mining Lease ML no. 01/1993.</p> <p>Shri Net Ram Goyal got expired on 10.06.2015. According to his will signed before death, he nominated three people. They had made a firm named M/s. Goyal Mineral Grinding Mills and made application of mutation of lease by the name of partnership firm. The Additional Director (Mines) has given the order to mutation of lease</p>	

	<p>vide letter no.-ADM/Jai/1/P-4/2011/239 on dated 08.07.2015. The supplementary mutation of lease execution was made on dated 02.09.2015. The lease validity is renewed from 30 years to 50 years by the date 10.03.2015 due to amendment in MMDR Act.</p> <p>CTO: The Project has accorded with the valid Consent to Operate from the Rajasthan pollution control board vide letter no. F(Mines)/Sikar(Neem Ka Thana)/2624(1)/2016-2017/8507-8511 on 28.11.2016.</p>
--	---

6. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 38th EAC meeting held during 29th – 30th September 2021. The Committee observed that there will be sudden shock load on the environment by jumping 50 times from the production capacity granted in previous Environmental Clearance i.e. expansion from 12,000 TPA to 6,00,000 TPA. Also, the project proponent submitted that currently mine is not in operation. The Committee was not convinced whether the site is ready to bear this sudden shock load. The Committee also noted that copy of latest certified compliance report, updated EIA/EMP report (including chapter 12), copy of cluster certificate, certified past production details (Annexure III) and authenticated District survey report as per Ministry's Notification S.O 3611(E) dated 25.07.2018 are not uploaded/available on the PARIVESH portal. After detailed deliberations made by the project proponent and the consultant, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to upload the copy of latest certified compliance report, updated EIA/EMP report (including chapter 12), copy of cluster certificate certified past production details (Annexure III) and authenticated District, survey report as per Ministry's Notification S.O. 3611(E) dated 25.07.2018 on the PARIVESH portal.
- 2) The project proponent needs to submit the justification of sudden shock load on the environment by jumping 50 times from the production capacity granted in previous Environmental Clearance i.e. expansion from 12,000 TPA to 6,00,000 TPA.

Minutes of 38th EAC Meeting (Non-Coal Mining) held during 29th – 30th September, 2021.

- 3) The project proponent needs to address all the public hearing concerns, EMP with equivalence on capital expenditure with extent of 2 – 2.5% of the total project cost. The project cost must also include land cost, if purchased. If the land is being leased, then amount of the contract agreement has to be part of project cost.
- 4) The project proponent needs to submit the complete breakup of total project cost.
- 5) The project proponent needs to submit the latest remote sensing imagery from NRSA to get a clear picture of compliance of plantation and greenbelt on the mine site.

1.2 Proposal for Terms of Reference for expansion 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 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 [File No. IA-J-11015/45/2021-IA-II(M); Proposal No. IA/KA/MIN/215583/2021]-ToR

1. EAC Meeting Details:

EAC meeting	38 th EAC Meeting
Date of Meeting	29 th – 30 th September, 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
	SoITopo 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	Category A under Schedule 1(a) -Mining of Minerals activity and Schedule 2(b) - Mineral beneficiation
Provisions	Expansion under EIA Notification 2006
Mining lease Area	1860.10 Ha

4. ToR Details

ToR Proposal No.	IA/KA/MIN/90857/2019 - 15 February 2019 IA/KA/MIN/ 207508/2021 - 01 April 2021 IA/KA/MIN/215583/2021 - 17 Jun 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 Survey Numbers
EAC meeting dates	3 rd EAC Meeting held during March 25-26, 2019 and 32 nd EAC Meeting held during June 28 – July 1, 2021.
ToR Letter No.	System generated TOR was issued by MoEFCC vide letter no IA-J-11015/19/2019-IA-II(M) dated 24.02.2020 (Proposal No.IA/KA/MIN/90857/2019)
ToR grant Date	24.02.2020
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
Total Excavation	20.3199 MTPA
Crusher	1.85 MTPA Crushing & Screening plants (Stationary & Mobile).
Conveyor System	Proposed 2.0 MTPA Ore Beneficiation Plant,

	Down Hill Conveyor System
Additional information	The waste generation till the lease period is estimated to be about 206.56 million tonnes and mineral reject generation is 12.36 million tonnes. Tailings generation is about 7.5 million tonnes

5. Lease Detail

Granted Prospecting License	Area	Mining Lease granted on 01.01.1954 for an area of 7511 Ha.
	Execution date	
	PL No.	
Application for the Mining lease area and Date	1953	
Initial mine lease	01.01.1954 for a period of 20 years, valid up to 31 December 1973	
First renewal	For 20 years valid up to 31 December 1993	
Second renewal	For another period of 20 years, valid up to 31 December 2013	
Third renewal	Renewed and Mining lease executed w.e.f., 1 January 2014 for period of 20 years valid up to 31 December 2033	

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
Mining Parameters	Quantitative Description	
Bench Height	7.5 meters	
Bench Width	More than 7.5 m	
Method of Mining	Opencast mining	
Individual bench slope	70 ⁰	
Overall pit slope	Less than 45 ⁰	
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

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

Particulars	Villages	Directions
Nearest Village	Kammathuru – Adjacent Subbarayanahalli – 0.3 Km Ramgad – 3.4 Km	N(NE) W N
Nearest town	Sandur - 22 Km	NNW
Nearest Highway	State Highway - (SH-40) - Toranagallu - Kudligi - 1.3 km	NW
Nearest Railway station	Swamihalli RS - 1.1 km	S
Nearest water bodies	DoddaHalla - 1.8 km NariHalla - 2.7 km	S NNE
Nearest Reserved Forests	<ul style="list-style-type: none"> • Mining Lease area is part of Swamymalai and Ramanamalai RF • Ubbalagandi Extn RF- 4.5 km • Bandravi SF – 2.9 km • Somalapura RF – Around the Mine Site • Tumbaraguddi RF - Around the Mine Site • Tonasigeri RF – Around the Mine Site • SM Block RF – Around the Mine Site • Kuramasvamibetta RF – Around the Mine Site 	NE E

9. Water requirement

Total water requirement	Present consumption: 1225 m ³ /day Additional -3000 m ³ /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 Area/Environmental Sensitivity Zone	Land/Protected	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	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Indian Sloth Bear, Four-horned Antelope, Indian Leopard, Indian Pangolin
Wildlife Conservation Plan	Yes	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
Particulars for Green belt/plantation	Area covered (in Ha)
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 litigation against the project
------------	-----------------------------------

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	Submitted duly certified by DMG vide letter No.DMG/DDH/MLS/2021- 22/1825 dated 22.07.2021

14. ADS details:

S.No	ADS Point (12.07.2021)	Reply (30.07.2021)
I	Past production details duly	Past production details, duly certified by DMG vide letter No.DMG/DDH/MLS/2021- 22/1878 dated 27 July 2021 and by IBM vide letter No.KNT/BLR/Fe201/BNG/RF/1166 dated 29

	certified by DMG.	November 2018 has been submitted as an annexure with the ADS reply.																																							
II	PP should submit details of block wise mineable & geological reserves.	<table border="1"> <thead> <tr> <th colspan="5">Block wise Mineable & Geological Reserves for Mining Lease No.2678</th> </tr> <tr> <th rowspan="2">Block No.</th> <th colspan="2">Iron Ore (in Million Tonnes)</th> <th colspan="2">Manganese Ore (in Million Tonnes)</th> </tr> <tr> <th>Mineable</th> <th>Geological</th> <th>Mineable</th> <th>Geological</th> </tr> </thead> <tbody> <tr> <td>Block-1 (Kammathuru Mine)</td> <td>26.30</td> <td>31.23</td> <td>0</td> <td>0</td> </tr> <tr> <td>Block-2 (Deogiri Mine)</td> <td>44.88</td> <td>45.10</td> <td>6.6992</td> <td>6.8421</td> </tr> <tr> <td>Block-3 (S.B.Halli Mine)</td> <td>30.73</td> <td>38.51</td> <td>6.6265</td> <td>6.8323</td> </tr> <tr> <td>Block-4 (Ramghad Mine)</td> <td>0</td> <td>0</td> <td>0.0288</td> <td>0.0948</td> </tr> <tr> <td>Total</td> <td>101.91</td> <td>114.84</td> <td>13.3545</td> <td>13.7692</td> </tr> </tbody> </table>	Block wise Mineable & Geological Reserves for Mining Lease No.2678					Block No.	Iron Ore (in Million Tonnes)		Manganese Ore (in Million Tonnes)		Mineable	Geological	Mineable	Geological	Block-1 (Kammathuru Mine)	26.30	31.23	0	0	Block-2 (Deogiri Mine)	44.88	45.10	6.6992	6.8421	Block-3 (S.B.Halli Mine)	30.73	38.51	6.6265	6.8323	Block-4 (Ramghad Mine)	0	0	0.0288	0.0948	Total	101.91	114.84	13.3545	13.7692
Block wise Mineable & Geological Reserves for Mining Lease No.2678																																									
Block No.	Iron Ore (in Million Tonnes)		Manganese Ore (in Million Tonnes)																																						
	Mineable	Geological	Mineable	Geological																																					
Block-1 (Kammathuru Mine)	26.30	31.23	0	0																																					
Block-2 (Deogiri Mine)	44.88	45.10	6.6992	6.8421																																					
Block-3 (S.B.Halli Mine)	30.73	38.51	6.6265	6.8323																																					
Block-4 (Ramghad Mine)	0	0	0.0288	0.0948																																					
Total	101.91	114.84	13.3545	13.7692																																					
III	Life of Mine depending on the data available to be mentioned.	Life of the Mine based on Geological Reserves for Iron Ore @ 3.85MTPA will be 29.82 years and for Manganese Ore @ 0.55 MTPA will be 25.03 years																																							

15. Details of the EMP Cost

Activities	Capital Cost (Rs.In Lakhs)	Recurring (Rs. In Lakhs)
Expansion	Rs 1000	Rs 103

16. Details of project cost and employment:

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

17. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 38th EAC meeting held during 29th – 30th September 2021. The Committee noted that the Ministry issued a letter dated 16th September, 2021 regarding validity of EC under para 12 as follows:

“As per the observation of the EAC (Non Coal) in its 32nd EAC Meeting held during 28th June and 1st July 2021 and request of the Project Proponent vide letter dated 30.07.2021, it is clarified that as the EC dated 24.01.2007 was granted under Para 12 of the EIA Notification 2006 and the lease is valid up to 31.12.2033, hence, as per the Ministry’s OM dated 19.12.2019 and provisions of the EIA Notification 2006 and subsequent amendments the validity of the Environment Clearance granted vide letter No. J-11015/96/2006-IA-II (M) dated 24.01.2007 for Sandur Maganese ore mine from 0.275 to 0.55 MTPA and Iron ore from 0.302 to 1.60 MTPA and increase in ML area from 877.282 ha to 1863.02 ha (ML 1179) by M/s Sandur Manganese and Iron Ore Mine at village Deogiri, S.B.Halli and Ramgad, Tehsil Sandur in District Bellary in Karnataka is valid up to 31.12.2033, subject to the reduced area of mining lease to 1860.10. ha. As the Forest Clearance (FC) obtained on 14.03.2007 is valid for 20 years i.e. till 13.03.2027, hence PP may approach to Ministry for working in forest land beyond 13.03.2027”.

The Committee observed that the Public Hearing for the same scope had already been conducted on 30.04.2010 but due to Hon’ble Supreme court intervention vide order dated 29.07.2011 and 26.08.2011, wherein all the mining operations in Ballari, Chitradurga, and Tumkur districts of Karnataka were suspended. Hence, the Committee feels that the project proponent shall invite the suggestions/objections as wider part of public consultation for the project, instead of public hearing as per the procedure prescribed in EIA Notification, 2006.

The Committee also noted that for the instant proposal, System generated TOR was issued by MoEFCC vide letter no IA-J-11015/19/2019-IA-II(M) dated 24.02.2020. The Committee accepted the automatic generated TOR (from Parivesh portal) issued to project proponent. After detailed deliberations made by the project proponent and the consultant, the Committee **recommended** the proposal for Terms of Reference for expansion 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 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 along with the following specific conditions:

- 1) The project proponent shall invite the suggestions/objections as wider part of public consultation for the instant project, instead of public hearing as per the procedure prescribed in EIA Notification, 2006.

Minutes of 38th EAC Meeting (Non-Coal Mining) held during 29th – 30th September, 2021.

- 2) The project proponent shall address all the concerns expressed by the public in the year 2010 as well as latest concerns recorded during public consultation in the EIA/EMP report.
- 3) The project proponent shall incorporate the EMP for public hearing concerns with the capital investment as per the project cost, also to be defined in a tabular form with measurable and verifiable capital investment in the EIA/EMP report.
- 4) The project proponent should look at different blocks and if there is a proposal of creating water bodies, then water harvesting and water utilization should also be studied in the EIA/EMP report.
- 5) The project proponent shall incorporate EMP for plantation at the site that should be based on validation done for the existing capacity and consultant must show that the augmented EMP is adequate to handle the expansion capacity.
- 6) The project proponent shall incorporate the details of Wildlife Conservation Plan in the EIA/EMP report.
- 7) The project proponent shall obtain the certified compliance report from regional office of the Ministry and incorporate the same in the EIA/EMP report.

1.3 Proposal for Amendment in EC granted on 06.09.2021 for permission for interim arrangement to be transported by road to other railway siding of Noamundi Iron Ore Mine with total excavation of 27 MTPA over mining lease area 1160.06 ha along with Iron ore beneficiation plant capacity (Feed to Plant) in the total project area of 1230.42 ha located at Mahul, Balijore, Korta, Noamundi, Sarbil and Barabalijori villages, West Singhbhum District, Jharkhand by M/s Tata Steel Limited- [File No. IA-J-11015/104/2011-IA-II(M); Proposal No. IA/MH/MIN/225147/2021] - Amendment in EC

1. EAC Meeting Details:

EAC meeting	38 th EAC Meeting
Date of Meeting	29 th – 30 th September, 2021

2. Project details:

Name of the Project	Proposal for Amendment in EC granted on 06.09.2021 for permission for interim arrangement
---------------------	---

	to be transported by road to other railway siding of Noamundi Iron Ore Mine with total excavation of 27 MTPA over mining lease area 1160.06 ha along with Iron ore beneficiation plant capacity (Feed to Plant) in the total project area of 1230.42 ha	
Location	Village	Mahul, Balijore, Korta, Noamundi, Sarbil and Barabalijori
	District	West Singhbhum
	State / UT	Jharkhand
	Latitudes	22 ⁰ 05' N to 22 ⁰ 10' N
	Longitudes	85 ⁰ 25' E to 85 ⁰ 35' E
	SolTopo sheet No.	73 F/8 & 73 F/12
Company Name	M/s Tata Steel Limited	
Accredited Consultant Organisation and its certificate no.	Vimta Labs Ltd and NABET/EIA/1720/SA 088	
KML file	Submitted	
Seismic zone	II	

3. Category details:

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	EIA Notification, 2006
Mining lease Area (MLA)	1230.42Ha

4. Previous EC Details:

EC Proposal No.	IA/JH/MIN/190924/2019
Previous EAC meeting for EC	31 st EAC held during 9 th to 15 th June 2021 Corrigendum: 32 nd EAC meeting held during 28 th June to 1 st July 2021 and 34 th EAC meeting held during 27 th to 30 th July 2021.
EC letter no.	J-11015/104/2011-IA-II(M)
EC letter date	6th September 2021
Production capacity	Iron Ore with production from 10 MTPA to 19 MTPA (ROM)
Total Excavation	27 MTPA
Reason for amendment	Total quantity of finished iron ore product proposed to be dispatched is 24 MTPA. The capacity of existing material handling system & railway siding will be augmented from 13 MTPA to 24 MTPA. As an interim arrangement, till the augmentation of dispatch system is commissioned, 4 MTPA of product is envisaged to be transported by road to

	other railway siding namely Bokaro Siding (1.5 km from lease), Line no. 5 Siding (2.3 km from lease) and Jamda Siding (10 km from lease) for onward rail dispatch'. However, the Environmental Clearance letter does not mention the above point. The grant of EC, without mention of above point, would limit the expansion of production from the mine during the interim period of augmentation of dispatch system. The details related to transport during interim period as submitted in the EIA/EMP report is provided as addendum report in Section-13 of this form-4.
Additional information	The project proponent submitted that 10 and 20 tons of dumper will transport the material in total 600 trips and there will be no spillage on the road.

5. Lease Details:

Granted mine lease	Letter date	01.01.1922
	period	for a period of 30 years
	MLA	1160.06 ha
Validity of mine lease	31.03.2030 as per the amended MMDR Act under section 8A(5)	
Additional information	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.	

6. Details of project cost and employment:

Particulars	Details
Project Cost	5558 Crore
Employment	3717 persons

7. Observation and Recommendation of the Committee:

The proposal for Amendment in Environmental Clearance was considered in the 38th EAC meeting held during 29th – 30th September 2021. The Committee observed that the project proponent requested for permitting to use the road for interim arrangement for transporting for 5 years. The project proponent submitted that as an interim

arrangement, till the augmentation of dispatch system is commissioned, 4 MTPA of product is envisaged to be transported by road to other railway siding namely Bokaro Siding (1.5 km from lease), Line no. 5 Siding (2.3 km from lease) and Jamda Siding (10 km from lease) for onward rail dispatch. However, the Committee noted that the environmental implications of the road transport were showcased in the EIA/EMP report. Also, Jamda experiences heavy traffic and also the condition of the road is not very good due to which it is not suitable for the transportation of material. Therefore, the Committee does not accept the proposal for Jamda site as the length is 10.5 Km and it is a state highway-4 where environmental implications may be there which was not demonstrated through any study by the project proponent. Hence, the permission will only be restricted to Bokaro Siding (1.5 km from lease) and Line no. 5 Siding (2.3 km from lease). Project proponent vide letter dated 29.09.2021 confirmed that Noamundi iron ore mine will not be using Jamda siding for road dispatch.

After detailed deliberations made by the project proponent and the consultant, the committee **recommended** the proposal for Amendment in EC granted on 06.09.2021 for inclusion of interim arrangement of road dispatch till Bokaro Siding (1.5 km from lease) and Line no. 5 Siding (2.3 km from lease) for Noamundi Iron Ore Mine 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, Jharkhand by M/s Tata Steel Limited along with the following specific conditions:

- 1) After this road is brought into utilization for transport, 6 monthly monitoring report as well as videography of the transportation undertaken to be submitted to Ministry.
- 2) The project proponent is advised to undertake a videography of 10.5 Km road for those who are already using this road for transportation of the mineral other than M/s Tata Steel Limited from their respective mines to Jamda site and submit to the Ministry for information.
- 3) It was also mentioned by the project proponent that they are willingly accepting not to use Jamda siding and this will stay till the information on Jamda transportation available with the Ministry and within 5 years project proponent must bring conveyer system till railway siding and stop using road.

1.4 Proposal under the provision of Notification dated 06.04.2018 and for expansion of production capacity from 15000 TPA to 84240 TPA (Feldspar & Quartz) of Para Magra Ganeshpura Mines in the Mining lease area of 136 ha (M.L.

No. 08/95) located in Village: Ganeshpura, Tehsil: Kekri, District: Ajmer (Rajasthan) by M/s Stone Metals Private Ltd. – [Proposal no: IA/RJ/MIN/205394/2018; File No. J-11015/171/2018-IA.II(M)] - EC

1. EAC Meeting Details:

EAC meeting	38 th EAC Meeting
Date of Meeting	29 th – 30 th September, 2021

2. Project details:

Name of the Proposal	Proposed Expansion and Modernization of Para Magra Ganeshpura Quartz & Feldspar Mining Project	
Location	Village	Ganeshpura
	Tehsil/Taluk	Kekri
	District	Ajmer
	State / UT	Rajasthan
	Latitudes	25°52'11.96" to 25° 52'52.26" N
	Longitudes	75°12'34.58"E to 75°13'41.25"E
	SoI Topo sheet No.	450/1
Company's Name	M/s Stone Metals Pvt. Ltd.	
Accredited Consultant and certificate no.	Fulgro Environmental & Engg Services India Pvt. Ltd. NABET/EIA/1922/RA 0148 valid till Feb 09, 2022	
KML file	Submitted	
Seismic zone	II	

3. Category details:

Category of the project	A
Provisions	Applied as per MoEF & CC Notification, S.O 1530 (E) dated 6 th April 2018
Mining lease Area	136 Ha

4. ToR/EC Details:

Minutes of 38th EAC Meeting (Non-Coal Mining) held during 29th – 30th September, 2021.

ToR Proposal No.	IA/RJ/MIN/81518/2018
Online application date for Form-I	5/10/2018
Documents Submitted	<p>Form 1, PFR, Leases Documents, Lease validity Document, copy of earlier granted EC, Approved Mining Plan with Plates, Aravalli Certificate, Prior Production data duly authenticated by DMG since 27/08/1998 till 31/3/2018.</p> <p>Annexure 1, 3 as per agenda compliance, KML file, Brief Summary of the project.</p> <p>Justification submitted on dated 20/12/2019 for area mismatch in earlier granted EC from MoEF dated July 15th 1999 for the project listed on agenda Item No. 2.25 in 12th EAC meeting held on dated 20.12.2019.</p>
EAC meeting date	12 th EAC Meeting held on 20 th Dec 2019 for the grant of ToR wherein the project was listed at agenda item no. 2.25
ToR Letter No.	J-11015/171/2018-IA.II(M)
ToR grant Date	14/02/2020
Production capacity	<p>84,240 TPA</p> <p>Quartz: 42,120 TPA</p> <p>Feldspar: 42,120 TPA</p>
Soil	81,885 MT (Plan Period)
Waste	<p>3,67,819.16 MT (OB & Reject during Plan Period)</p> <p>Waste generation end of life of mine</p> <p>14,96,950 MT</p>
Others	--
Total Excavation	1,96,350 TPA (ROM)
Crusher	50 TPH

EIA/EMP uploaded on	24 Mar 2021 subsequently EDS was raised and was replied on dated 4/08/2021
Previous EC details	Environment Clearance was granted by MoEF vide file no. J-11015/5/99-IA-II(M) on dated 15 th July, 1999 for mineral Quartz & Feldspar in favor of Sh. Padam Chand Agarwal S/o Sh. Laxmi Chand Agarwal under the EIA Notification 1994
Date of earlier EAC meetings	<p>12th EAC Meeting held on 20th Dec 2019 for the grant of ToR wherein the project was listed at agenda item no. 2.25.</p> <p>Later on, listed in 35th EAC Meeting at agenda no. 1.1 held on dated 16th Aug 2020</p>
Additional details	<p>Initially, Mining lease was sanctioned in favor of Sh. Padam Chand Agarwal S/o Sh. Laxmi Chand Agarwal vide letter no.-DMG/AJ/CC-5/F-1(1)08/1995/1099 dated 28/07/1998 , executed on dated 20/8/1998 and registered on dated 27/08/1998 for a period of 20 year (27/08/1998 to 26/08/2018) for mineral Quartz and Feldspar and Environment Clearance was granted by MoEF vide file no. J-11015/5/99-IA-II(M) on dated 15th July , 1999 in favor of Sh. Padam Chand Agarwal S/o Sh. Laxmi Chand Agarwal under the EIA Notification 1994.</p> <p>First Lease Transfer: Later on lease was transferred in favor of Sh. Sanjay Choudhary S/o Sh. BhagchandChoudhary vide govt. order no.-DMG/AJ/CC-1/F.1(1)/08/1995/2592 on dated 06/10/2005 executed on dated 08/12/2005 and registered on dated 04/01/2006.</p> <p>Second Lease Transfer: Further the lease was again transferred in the name of M/s Stone Metals Pvt. Ltd. having registered office 17, KashinathMullik Lane, Kolkata-700073 vide govt. order no.DMG/AJ/CC-5/F.1(1)/08/1995/1565 dated 05/07/2011 and executed on dated 18/07/2011 and transfer agreement was registered on dated 18/07/2011.</p>

5. Lease Details:

Application for the Mining lease area and Date	Initially, Mining lease was sanctioned in favor of Sh. Padam Chand Agarwal S/o Sh. Laxmi Chand Agarwal vide letter no.-DMG/AJ/CC-5/F-1(1)08/1995/1099 dated 28/07/1998, executed on dated 20/8/1998 and registered on dated 27/08/1998 for a period of 20 year (27/08/1998 to 26/08/2018) for mineral Quartz and Feldspar for an area of 136 Ha.
Validity of mine lease	26/08/2048
First lease transfer	Lease was transferred in favor of Sh. Sanjay Choudhary S/o Sh. BhagchandChoudhary vide govt. order no.-DMG/AJ/CC-1/F.1(1)/08/1995/2592 on dated 06/10/2005 executed on dated 08/12/2005 and registered on dated 04/01/2006.
Second lease transfer	The lease was again transferred in the name of M/s Stone Metals Pvt. Ltd. having registered office 17, KashinathMullik Lane, Kolkata-700073 vide govt. order no.DMG/AJ/CC-5/F.1(1)/08/1995/1565 dated 05/07/2011 and executed on dated 18/07/2011 and transfer agreement was registered on dated 18/07/2011.

6. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 was considered in the 38th EAC meeting held during 29th – 30th September 2021. The Member Secretary informed the Committee that earlier the instant proposal was considered in EAC held during 19-20 December, 2019 wherein the Committee observed that *"The EC for the said mining lease was granted on 15.07.1999 for 15000 Tonnes and the production from 1999-2000 till 2010-11 is well*

within the EC capacity and thereafter there is no excess production from the mines. But the CTO for the mines was obtained in 2008 and mining prior to this without CTO is violation of Common Cause Judgment dated 02.08.2017.”

Accordingly, the Ministry sent a letter to the Department of Mines and Geology and Rajasthan Pollution Control Board on 14.02.2020 to examine the matter and to take necessary action. The project proponent orally submitted during the presentation that no action has been taken yet.

The Committee also observed that the quantity of top soil was not included in the total excavation due to which it was not even involved in the impact assessment calculation. The Committee advised the project proponent to include the top soil in the total excavation and apply afresh for amendment of ToR letter dated 14.02.2020 and thereafter revise the EIA/EMP report accordingly. The Committee also advised to include four budgets in the EIA/EMP report i.e. EMP budget which must include noise control, dust control, air pollution control, plantation etc., EMP for PH concerns which must include capital investment within 3 years in tabular form as per the project cost, post EC monitoring plan and the budget for plantation wherein the budget must be distributed for plantation in buffer zone, plantation in sensitive areas etc. The project proponent during the presentation submitted that crusher will not be installed in the mine site as it attracts change in scope. After detailed deliberations made by the project proponent and the consultant, the Committee **returned the proposal in the present form.**

DAY 2 - 30.09.2021 (Thursday)

2.1 Proposal for EC for Sheopura - Kesarpura Limestone Mine of M/s Shree Cement Limited for mining of limestone with reduction in limestone production capacity from 4.0 Million TPA to 1.5 Million TPA & Inter Burden 0.65 MTPA (Total excavation of 2.15 Million TPA) [existing EC granted with capacity of 4.0 Million TPA under EIA Notification, 1994] and existing operating crushers of 800 TPH, located near Village Sheopura & Kesarpura, Tehsil Masuda, District Ajmer, Rajasthan (ML Area 856.8 ha) -Proposal appraised under the provision of Notification dated 06.04.2018 regarding. – [File No: J-11015/102/2018-IA-II (M), Proposal No: IA/RJ/MIN/228200/2020] – Environmental Clearance (EC)

1. EAC Meeting Details:

EAC meeting	38 th EAC Meeting
Date of Meeting	29 th – 30 th September, 2021

2. Project details:

Name of the Proposal	Sheopura - Kesarpura Limestone Mine for the reduction of Limestone Production capacity from 4.0 Million TPA to 2.0 Million TPA (Inter-burden: 0.81 Million TPA {Total Excavation: 2.81 Million TPA} and Increase in Limestone Crushing Capacity of existing Crusher of 800 TPH from 2.0 Million TPA to 4.0 Million TPA (3.2 Million TPA Crushed Limestone & 0.8 Non Crushed Limestone)	
Location	Village	Sheopura&Kesarpura
	Tehsil/Taluka	Masuda
	District	Ajmer
	State / UT	Rajasthan
	Latitudes	26°01'25.25"to26°05'21.63" N
	Longitudes	74°22'16.18"to 74°25'07.60"E
	SoITopo sheet No.	45 J/4(G43I4), 45J/8(G43I8), 45J/12(G43I12), 45K/1(G43O1), 45K/5(G43O5) & 45K/9(G43O9).
Company's Name	Shree Cement Limited	
Accredited Consultant and certificate no.	EnkayEnviro Services Pvt. Ltd., Jaipur	
KML file	Submitted	
Seismic zone	II	

3. Category details:

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	EIA Notification 2006
Mining lease Area	856.8 Hectares

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/75624/2018 for ToR Approval & IA/RJ/MIN/152110/2020 for ToR Amendment
Online application date for Form-I	28.06.2018 for ToR Approval & 05.05.2020 for ToR Amendment
Documents submitted	Compliance of Agenda; TOR point wise/EC Presentation; Form-2; Project proponent's affidavit; Mining Lease Order; Consultant's undertaking; NABET Certificate; Approved Wildlife

	Conservation Plan, Approved Mining Plan; Authorized signatory Letter; KML File.
Previous EAC meetings	28.09.2018 for ToR Approval & 24.06.2020 for ToR Amendment
ToR Letter No.	IA-J-11015/102/2018-IA-II(M)
ToR grant Date	19.11.2018 for ToR Approval & 09.07.2020 for ToR Amendment
Production capacity	2.0 Million TPA
Soil	--
Waste	0.81 Million TPA
Total Excavation	2.81 Million TPA
Crusher	800 TPH (2 shifts)
EIA/EMP uploaded on	08.09.2021
Previous EC details	J-11015/170/2004- IA. II (M), dated 31/03/2005 under EIA Notification, 1994
Additional details	Proposal was submitted as per the provisions of made in Office Memorandum issued by MoEF&CC dated 06.04.2018 for validity consideration of earlier EC and reduction of Limestone Production capacity from 4.0 Million TPA to 2.0 Million TPA.

5. Lease Details:

Application for the Mining lease area and date	Mining Lease was transferred in favour of Shree Cement Limited dated 08.06.1982 and transfer deed was executed on 02.08.1982.	
Validity of mine lease	50 years (up to 31.03.2030 from the date of renewal)	
Mine lease grant	Letter No.	P4(69) Khan/Group-4/78
	Date	12.06.1980
	First renewal of mining lease was granted vide letter no. Pa.16(9)/Khan/Group-1/2000 dated 08.02.2001.	

6. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance under the provision of Ministry's Notification S.O. 1530 (E) dated 06.04.2018 was considered in the 38th EAC meeting held during 29th – 30th September 2021. The Committee observed that baseline results especially noise levels during day as well as night time seems inaccurate. The Consultant during the presentation submitted that the baseline results were provided by another accredited laboratory, which was not checked by the consultant and was submitted as it is. The Committee was not satisfied by the plantation shown via KML file. The Committee also observed that the project proponent submitted mineral and waste quantity in different units i.e. tonnes and cubic meters respectively. The Committee also noted that production capacity is reducing from 4.0 MTPA to 2.0 MTPA whereas no. of hours is increasing of crushing operation. The Committee noted that earlier public hearing concerns which was conducting on 28.05.2003 was not included in the EIA/EMP report. The Committee also noted that the project proponent and the consultant presented the instant proposal as a greenfield project. The Committee was not convinced by the fact that this mine is in operation since 1993-94 and efforts have been made for the development of the area.

After detailed deliberations made by the project proponent and the consultant, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to submit the correct baseline results and incorporate them in the EIA/EMP report. Ambient noise levels were found inaccurate during the day and night time. Revised EIA/EMP report needs to be uploaded on PARIVESH portal.
- 2) The project proponent needs to submit the latest remote sensing imagery from NRSA to get a clear picture of compliance of plantation and greenbelt on the mine site.
- 3) The project proponent needs to submit the justification of implications of reduction in production capacity from 4.0 MTPA to 2.0 MTPA towards environment, plantation and greenbelt and Environmental management plan.
- 4) The project proponent needs to submit the breakup of total excavation before and after the reduction of production capacity in a tabular form.
- 5) The project proponent needs to submit the quantity of total excavation separately i.e. quantity of mineral, soil, OB/IB and waste in same unit.
- 6) The project proponent needs to submit the commitment that crushing hours will be restricted to two shifts and crushing shall not be operated during the night. Night shift is strictly prohibited. Revise the EIA/EMP report accordingly.

- 7) The project proponent needs to submit the earlier public hearing concerns and incorporate the action plan in the EIA/EMP report. The project proponent also needs to submit the status of action plan whether all the issues have been addressed till date.
- 8) The project proponent submitted that four villages are present in the mine lease. Therefore, install blast monitoring station around all the village boundaries. Record the data and submit six monthly report to IRO after obtaining Environmental Clearance from the Ministry.
- 9) The project proponent needs to submit the exact location of crusher and also mention the noise levels near the location where crusher is installed.
- 10) The project proponent needs to submit the protection measures to be taken for the void created from the view point of villagers as well as commitment that no road network shall be disturbed during the operation period of time.

2.2 Proposal for Terms of Reference of Shri Rajkishore Mohanty for Odasinga Sand quarry for mining of river sand of 3,50,000m³ in the mine lease area of 140.457ha located at Kissamnadi of Village Odasinga under Athmallik Tehsil, Angul District, Odisha – [File. No: J-11015/60/2021-IA-II (NCM), Proposal No: IA/OR/MIN/227689/2021, Consultant: Ecomen Laboratories Pvt. Ltd] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	38 th
Date of Meeting	29 th – 30 th September, 2021

The proposal of Shri Rajkishore Mohanty is for grant of Terms of Reference for Odasinga Sand quarry for mining of river sand of 3,50,000 m³ in the mine lease area of 140.457ha located at Kissamnadi of Village Odasinga under Athmallik Tehsil, Angul District, Odisha. The mine lease area is located between Latitude 20°42'52.1"N to 20°43'53.8"N and Longitude 84°29'22.4"E to 84°30'29.4"E. The mine lease area falls under the Survey of India Toposheet No: F45 S/6.

2. The Project Proponent submitted a fresh proposal in PARIVESH portal vide proposal no: IA/OR/MIN/227689/2021 dated 07.09.2021 and submitted Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The Project Proponent submitted the Form F- Intimation to Successful bidder for the prospecting license-cum-quarry lease for Odasinga Sand quarry over an area of 347.07 Ac obtained from the Office of the Tahasildar, Athmallik vide Lr No 1017/Touzi dated 24.03.2021. PP also submitted the Demand Notice to deposit the Govt. dues for Odasinga Sand Quarry for long term lease of 5 years on or before 7th April 2021 vide Lr No 1019/Touzi dated 24.03.2021.

4. Details of Mine Plan:

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Mining Plan with Progressive Mine Closure Plan approved by Deputy Director Geology, Zonal Survey Dhenkanal	Lr No 1249/DZ/Dt	20.11.2020	5 years	140.457 ha

5. The Project Proponent submitted that the mining operations will be carried out by manual open cast dry pit mining method without drilling and blasting. The mining will be from east to west direction. PP reported that total Geological reserves is 28,09,140m³ and Mineable reserve is 26,99,066m³. Life of the mine is 5 years. There will be no generation of OB/Topsoil since the mining will carried out in river bed sand. Dumpers / tractor trolleys will be used for the mineral transportation. PP reported that the ultimate depth of mining will be up to 2m and the ground water level varies between 2-3m bgl.

6. The Project Proponent submitted that the total water requirement will be 5.0 KLD which will be collected from village Hand pump/Pond/Pit water.

7. The Project Proponent submitted that the total mine lease area of 140.457ha is Govt. revenue land and there is no forest land involved in the mine lease area. PP reported that the nearest forest is Aragarh RF located at a distance of 4.3 km,SE from the mine lease area. Further, PP submitted that there is no National Park, Wildlife Sanctuary, Biosphere Reserves, Tiger Reserves and Wildlife Corridors etc. within 10 km radius of the mining lease area.

8. The Project Proponent submitted that it is proposed to plant trees in the vicinity of river bank. Total 800 saplings will beplanted in 5 years in consultation with the authorities. The plantation like Neem, Gulmohor, Mango, Kachnar, Subabool, Babool, Karanj, etc., will be planted.

9. The Project Proponent submitted that there is no human settlement within the mine lease area. No human settlement will be disturbed due to the proposed mining activity. So, no Rehabilitation and Resettlement is proposed.

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

11. Details of project cost and employment:

Particulars	Details
Project Cost	Rs 82.0 Lakhs
Employment	60 Persons

12. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 38th EAC(Non-Coal) meeting held during 29th – 30th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that in the Form-1, PP has mentioned that total production will be 630000 MT and in PFR it is mentioned as 3,50,000 m³. During the presentation PP informed that the specific gravity of sand in the instant lease area is 1.8, hence the total production in Tones per annum will be 6.30 Lakh Tons/annum or 3000 TPD with 210 no. of working days. PP also informed that manual method of mining will be adopted by deploying 60 local persons (as per PFR) and 56 local persons (as per mining plan) and no machineries will be used only dumpers & tractors will be deployed for transportation. The Committee observed that Mining Plan is approved for 5 years and was of the view that it looks impossible to achieve the proposed production with such a limited manpower. The Committee also observed that the river ecology due to presence of water body in the mine lease area is more fragile which is not addressed. Since Mahanadi is the major river in vicinity of the mine lease area that connects Bay of Bengal, movement of any endangered species in the vicinity is not also addressed. The feasibility of excavating so much of sand to be studied in such environment. Action plan for plantation in the proposed river bank is not addressed. PP also informed that there is no homogeneous mining lease within 500 meters but not submitted the cluster certificate. The Committee observed that the Project Proponent/Consultant could not explain the method of sand mining proposed and the performance of the Consultant was not satisfactory. Therefore, the Committee **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit a detailed note on the method of proposed sand mining. PP should also submit the details of the tool/equipment to be used for manual sand mining.

- ii. The Project Proponent needs to submit a note on action plan to be adopted as per Enforcement and Monitoring Guidelines for Sand Mining, 2020.
- iii. The Project Proponent should submit a detailed note on measures taken for protection of Mahanadi River, water bodies in the vicinity of the mine lease area and aquatic ecosystems due to proposed mining activity.
- iv. The Project Proponent should submit the time bound action plan and target for survival rate for saplings proposed to be planted in the river bank over a period of 5 years. The feasibility of plantation in river bank is to be studied with proper geographical mapping by taking highest HFL of the river in the last 100 years. The capital and recurring expenditure to be incurred needs to be submitted. PP should also increase the proposed number of saplings to be planted.
- v. The Project Proponent needs to submit a plan for transport route, transportation vehicles along with no.s/capacity/type, loading points, no. of trips and the end use of the sand.
- vi. The Project Proponent needs to specify the Specific gravity of the sand of the proposed lease area tested from approved laboratory and submit the peak and normative quantum of excavation to be handled annually and throughout the mining plan in Tonnage.
- vii. The Project Proponent should clearly bring out the details of the manpower to be engaged for the project with their roles /responsibilities/designations with budget. The PP should clearly bring out the output per manpower per shift for manual mining.
- viii. The Project Proponent needs to submit the water requirement for the project, its availability and source.
- ix. The Project Proponent should submit the valid lease document authenticated from the State Govt.
- x. The Project Proponent needs to submit the details of the any other homogeneous mining lease within 500 meters of the proposed lease certified from the DMG.

2.3 Proposal for Amendment in Existing Environmental Clearance granted on 15th May, 2020 for M/s Shree Cement Limited for Karhi-Chandi Limestone Deposit

(ML Area: 242.127 ha) (w.r.t reduction in Mining Lease Area from 242.127 ha to 225.719 ha) with Limestone Production Capacity 1.5 Million TPA, 0.45 Million TPA Inter burden (Total Excavation: 1.95 Million TPA) with installation of Crusher of 1200 TPH at Villages- Karhi, Chandi and Khapradih, Tehsil- Simga, District- Balodabazar-Bhatapara, Chhattisgarh – [File. No: J-11015/64/2017-IA-II(M), Proposal No: IA/CG/MIN/228004/2021, Consultant: J.M. EnviroNet Pvt. Ltd] - Amendment in EC

EAC Meeting Details:

EAC meeting	38 th
Date of Meeting	29 th – 30 th September, 2021

The proposal for amendment in existing Environmental Clearance granted on 15th May, 2020 for M/s Shree Cement Limited for Karhi-Chandi Limestone Deposit (ML Area: 242.127 ha) (w.r.t reduction in Mining Lease Area from 242.127 ha to 225.719 ha) with Limestone Production Capacity 1.5 Million TPA, 0.45 Million TPA Inter burden (Total Excavation: 1.95 Million TPA) with installation of Crusher of 1200 TPH at Villages- Karhi, Chandi and Khapradih, Tehsil- Simga, District- Balodabazar-Bhatapara, Chhattisgarh. The mine lease area is located between Latitude 21°36'12.202"N to 21°37'40.574"N and Longitude 82°01'31.413"E to 82°02'34.111"E. The mine lease falls under the Survey of India Toposheet No: 64 K/2 (F44Q2) and falls in Seismic Zone-II.

2. The Project Proponent has made an online application vide Proposal No: IA/CG/MIN/228004/2021 dated 08.09.2021 and submitted Form 4 for amendment in EC 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 obtained vide Lr F.No. J-11015/64/2017-IA-II(M) dated 15.05.2020 for production of 1.5 million TPA of Limestone for captive purpose with total excavation of 1.95 million TPA (1.5 million TPA Limestone & 0.45 million TPA of Inter burden) and installation of crusher of 1200 TPH in the mine lease area of 242.127ha.

4. The Project Proponent submitted that Letter of Intent (LoI) has been issued in favour of M/s. Shree Cement Limited over an area of 242.127 ha vide letter no. F 3-03/16/12 dated 28.03.2016 and amended vide letter no. F3-03/16/12 dated 16.09.2016 which was valid up to 27.03.2019. Then, PP submitted the extension of validity of LOI issued by the State Govt vide Lr no. F 3-03/16/12 dated 27.03.2020 for another year i.e., up to 27.03.2021. Further, PP submitted that at the time of grant of mining lease,

16.408ha was restricted land which cannot be granted under mining lease as it is a submergence area of Karhi water reservoir and the same has been deleted and mine lease area was reduced from 242.127ha to 225.719 ha and accordingly State Govt issued the revised LOI vide Lr no. F 3-03/16/12 dated 16.03.2021 and G.O vide Lr no. F 3-03/16/12 dated 22.03.2021. PP also submitted that mining lease was executed for 225.719ha and registered on 24.03.2021 for a period of 50 years.

5. The Project Proponent submitted the Mining Plan along with Progressive Mine Closure Plan approved by Regional Controller of Mines, Indian Bureau of Mines, Raipur vide letter no. Baloda Ba/Chu P/Kha Yo-1284/2021-Raipur dated 09.07.2021 over an area of 225.719 ha for the period 2021-22 to 2025-26.

6. Now, the Project Proponent requested for amendment in Environmental Clearance dated 15.05.2020 for the following:

S. No	Reference of approved EC	Existing in EC	Amendment sought
1	Para 1, Page 1	<p>The proposal of M/s Shree Cement Limited is for Karhi-Chandi Limestone Deposit with production capacity of 1.5 Million TPA of limestone (ROM), 0.45 Million TPA Inter-Burden (Total Excavation: 1.95 Million TPA) with installation of Crusher of 1200 TPH in the mine lease area of 242.127 ha. The mine is located at Villages Karhi, Chandi and Khapradih, Tehsil– Simga, District- Balodabazar-Bhatapara, Chhattisgarh.</p> <p>The mine lease area falls between the 21°36'12.247"N to 21°37'40.574"N and 82°01'31.413"E to 82°02'34.111"E and located on the Survey of India Toposheet No. 64 K/2.</p>	<p>PP submitted that the proposal of M/s Shree Cement Limited is for Karhi-Chandi Limestone Deposit with production capacity of 1.5 Million TPA of limestone (ROM), 0.45 Million TPA Inter-Burden (Total Excavation: 1.95 Million TPA) with installation of Crusher of 1200 TPH in the mine lease area of 225.719ha. The mine is located at Villages Karhi, Chandi and Khapradih, Tehsil– Simga, District-Balodabazar-Bhatapara, Chhattisgarh.</p> <p>The mine lease area falls between the 21°36'12.202"N to 21°37'40.574"N and 82°01'31.413"E to 82°02'34.111"E and located on the Survey of India Toposheet No. 64 K/2.</p>
2	Para 5, Page 2	PP submitted that the total mine lease area 242.127ha out of	At present PP submitted that the total mine lease area

		which 20.331ha is Government land, 119.428ha is, private land and 102.368ha owned by Shree Cement Limited.	225.719ha out of which 26.284ha is Government land, 0.924ha is grazing land , 33.421ha is, private land and 165.09ha owned by Shree Cement Limited.
3	Para 6, Page 2	<p>PP submitted that the total mineable reserves are 68.2 Million Tonnes and life of mine is estimated to be 49 years. At the end of life of mine, total 24.04 Million Tonnes of waste will be generated out of which 18.9 Million Tonnes waste will be backfilled in the excavated area followed by plantation and remaining 5.1 Million Tonnes waste will be dumped in 17ha area, which will be stabilized by plantation.</p> <p>PP reported that at the conceptual stage, the total excavated area will be 141ha, plantation of waste dump 17ha out of and 80.127ha area remains un-disturbed. Out of 141ha excavated area, 52ha area will be backfilled followed by plantation and remaining 89ha area will be converted into water reservoir.</p>	<p>As per approved Mining Plan, total mineral reserves are calculated as 57.8 Million Tonnes and life of mine is estimated to be 42 years. At the end of life of mine, total 22.41 Million Tonnes of waste will be generated out of which 17.31 Million Tonnes waste will be backfilled in the excavated area followed by plantation and remaining 5.1 Million Tonnes waste will be dumped in 17ha area, which will be stabilized by plantation.</p> <p>The total excavated area will be 133ha, plantation of waste dump 17ha out of and 64.719ha area remains un-disturbed. Out of 133ha excavated area, 47ha area will be backfilled followed by plantation and remaining 86ha area will be converted into water reservoir.</p>
4	Para 7, Page 2	PP submitted that total 80ha area will be covered under Greenbelt and plantation with 1,20,000 saplings [52ha backfilled area, 17 Ha dump area and 11 Ha of green belt (4 Ha on 7.5 safety zone & 7 Ha on undisturbed area)]. The trees will be planted @ 1500 saplings per hectare of land and survival will be maintained	As per present proposal, PP submitted that total 75ha area will be covered under Greenbelt and plantation with 1,87,500 saplings [47ha backfilled area, 17 Ha dump area 4 Ha on 7.5 safety zone & 7 Ha on undisturbed area]. The trees will be planted @ 2500 saplings per hectare of land and survival will be

		more than 90%. Plantation will be developed in 7.5 meters width along the road, nallha, and habitation in first five years, total area to be covered 2 Ha, and the density of plantation to be maintained is 2000 saplings/ha.	maintained more than 90%. Plantation will be developed in 7.5 meters width along the road, nallha, and habitation in first five years, total area to be covered 2 Ha, and the density of plantation to be maintained is 2500 saplings/ha.
5	Specific condition – 2, Pg. No1: 5	Total 80ha area will be covered under Greenbelt and plantation with 1,20,000 saplings [52ha backfilled area, 17 Ha dump area and 11 Ha of green belt (4 Ha on 7.5 safety zone & 7 Ha on undisturbed area)]. The trees will be planted @ 1500 saplings per hectare of land and survival will be maintained more than 90%.	As per present proposal, PP submitted that total 75ha area will be covered under Greenbelt and plantation with 1,87,500 saplings [47ha backfilled area, 17 Ha dump area and 4 Ha on 7.5 safety zone & 7 Ha on undisturbed area]. The trees will be planted @ 2500 saplings per hectare of land and survival will be maintained more than 90%.

7. Observation and Recommendation of the Committee:

The proposal for amendment in Environmental Clearance was considered in the 38th EAC(Non-Coal) meeting held during 29th – 30th September, 2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee noted that the PP obtained Letter of Intent (LoI) granted vide letter no. F 3-03/16/12 dated 28.03.2016 over an area of 242.127 ha and EC vide Lr F.No. J-11015/64/2017-IA-II(M) dated 15.05.2020. At the time of grant of mining lease, 16.408 ha was restricted as it is a submergence area of Karhi water reservoir in the mine lease area and accordingly revised LOI vide Lr no. F 3-03/16/12 dated 16.03.2021 and G.O vide Lr no. F 3-03/16/12 dated 22.03.2021 issued for reduced lease area of 225.719ha. The Committee observed that the PP submitted the Mining Plan for the reduced mine lease area of 225.719 ha with the change in total Geological reserves from 155 MT to 144.6 MT, Mineable reserves from 68.2 MT to 57.8 MT and life of mine from 49 to 42 years. Waste generation also reduced from 24.04 MT to 22.41 MT. The Committee also noted that there are no environmental implications in the instant proposal due to reduction in mine lease area. Therefore, the Committee **recommended** the proposal of M/s Shree Cement Limited for amendment in reduction of mine lease from 242.127 ha to 225.719ha along with the amendment sought in para 6 for Karhi-Chandi Limestone Deposit with production capacity of 1.5 Million TPA of limestone (ROM), 0.45 Million TPA Inter-Burden (Total Excavation: 1.95 Million TPA) with

installation of Crusher of 1200 TPH located at Villages- Karhi, Chandi and Khapradih, Tehsil- Simga, District- Balodabazar-Bhatapara, Chhattisgarh along with the following additional specific conditions for this project:-

- i. No mining activity will be allowed in 0.924ha of grazing land as indicated by PP during the presentation. If grazing land is non-mineralized zone, it should be protected and made accessible and if it is in mineralized zone, compensatory grazing land double to the land under grazing should be created in non-mineralized with safe access for grazing. PP shall inform the location of the such grazing land to the IRO.
- ii. All the other terms and conditions of earlier Environmental Clearance dated 15.05.2020 shall remain unchanged.

2.4 Proposal for Terms of Reference of M/s Parasakti Cement Industries Limited for Expansion of Parasakti Limestone Mine-1 (Area 180.09ha) with increase of limestone production from 1.80 MTPA to 2.25 MTPA with Total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189ha) and increase in Mine lease area from 180.09 Ha. to 317.782 Ha (Amalgamated Mining Lease of ML 1: 180.09ha + ML 2: 137.693ha) located at Jettipalem Village, Rentachintala Mandal, Guntur District, Andhra Pradesh – [File. No: J-11015/570/2007-IA.II (M), Proposal No: IA/AP/MIN/229224/2021, Consultant: B.S. Envi – Tech Pvt. Ltd] – Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	38 th
Date of Meeting	29 th – 30 th September, 2021

The proposal of M/s Parasakti Cement Industries Limited is grant for Terms of Reference for Expansion of Parasakti Limestone Mine-1 (Area 180.09ha) with increase of limestone production from 1.80 MTPA to 2.25 MTPA with Total Excavation of 2.472 MTPA (Limestone: 2.25 MTPA + Topsoil: 0.033 MTPA + OB/IB/SB: 0.189ha) and increase in Mine lease area from 180.09 Ha. to 317.782 Ha (Amalgamated Mining Lease of ML 1: 180.09ha + ML 2: 137.693ha) located at Jettipalem Village, Rentachintala Mandal, Guntur District, Andhra Pradesh. The mine lease area is located between Latitude 16°37'40.7"N - 16°35'36.5"N and Longitude 79°30'42.6"E - 79°30'19.8"E. The mine lease area falls under the Survey of India Toposheet No: 56/P/10 & 56/P/6 and falls in Seismic Zone – II.

2. M/s Parasakti Cement Industries Limited has made an online application vide IA/AP/MIN/229224/2021 dated 15.09.2021 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 details of the previous Environmental Clearance (EC) are furnished as below:**

Date of application	Proposal No	Consideration	Details	Date of accord
14.03.2002	IA/AP/MIN/23070/1910	-	EC in favor of M/s Chola Cements Ltd to produce 0.465 million TPA of Limestone in the mine lease area of 180.89ha under EIA Notification, 1994	20.03.2003
03.01.2004	J-11015/4/2002-IA. II (M)	-	Transfer of EC from M/s Chola Cements Ltd to M/s Prasakti Cement Industries Limited	03.02.2004
30.05.2007	IA/AP/MIN/21287/1910	-	Expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I - 180.09 ha)	13.09.2007
30.05.2007	IA/AP/MIN/21288/1910	-	Limestone production of 0.20 MTPA for Limestone mine (ML II - 132.27 ha)	11.09.2007

4. **Lease Detail:**

S. No	Particulars	ML- I	ML-II	Amalgamation of ML-I & ML-II
1	Grant of mine lease	G.O Ms No. 587 Industries & Commerce (M.II) Department in favour of M/s Chola Cement Industries Limited	GO Ms No. 159 in favour of M/s Prasakti Cement Industries Limited	G.O Ms No. 180 in favour of M/s Prasakti Cement Industries Limited
2	Date of the	06.12.2001	21.06.2007	21.07.2009

	grant			
3	Name of the Mineral	Limestone	Limestone	Limestone
4	Period of grant	30 years	30 years	Co-terminus with that of the first lease i.e., up to 12.12.2031
5	Granted by	Govt. of Andhra Pradesh	Govt. of Andhra Pradesh	Govt. of Andhra Pradesh
6	Mine lease area in Ha	180.089	137.693	317.90
7	Permission for change of name from M/s Chola Cement Industries Limited to M/s Parasakti Cement Industries Limited	Govt. of Andhra Pradesh vide its G.O. Ms No 1 dated 01.01.2004	-	-
8	Proceedings No	No. 5050/M/2001 dated 15.12.2001 for a period of 30 years (13.12.2001 to 12.12.2031)	No. 3478/M/2005 dated 10.04.2008 for a period of 30 years (11.10.2007 to 10.10.2037)	No. 4551/M/2009 dated 27.07.2010 (23.07.2010 to 12.12.2031)
9	Extension of Mining Lease	-	-	G.O.MS No. 172 dated 04.12.2017 for a period of 50 years up to 12.12.2051 over an extent of 317.90ha

5. Details of executed Mine leases.

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

		entering into original lease deed			
3	Amalgamation of ML-I & ML-II	Date of entering into original lease deed	23.07.2010	12.12.2031	AM 291672

6. Details of Mine Plan

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

7. The Project Proponent submitted that the method of mining will be mechanized opencast mining with deep-hole drilling & blasting. PP reported that the total mineable reserves is 84.14 million tonnes and life of the mine will be 37 years. A bench height of 7m is maintained with local variations due to behavior of strata. During the mine/bench development a width not less than 30 m, which is more than 3 times width of largest HEMM deployed are maintained. Overall Pit Slope will be maintained to 45°. Drilling operations are being conducted with 115 mm dia drilling machines. Hydraulic excavators with 3.30 m³ bucket capacity are being deployed to load the blasted limestone into dumpers. The limestone is transported from the mine to the crusher located at a distance of 1.5 Km from the working pit just outside lease area at Cement Plant and Limestone is transported to the crusher by 35 tonner dumpers and further sent to plant by conveyor to the plant which is adjacent. Top soil generation for the lease period is estimated to be about 0.13 million m³. Soil generated will be spread in the 7.5m buffer zone and safety barriers for roads and power lines. There is no waste generation from the mining lease area. The overburden will be temporarily stacked within the mining lease area and ultimately it is totally consumed for plantation. The year wise details of OB/IB/SB generation for the lease period is estimated to be about 0.825 million m³. PP reported that the ultimate depth of mining will be 46 m RL (35m bgl) and depth of Water table exists at 44 m RL (37 m bgl) and there will be no ground water intersection.

8. Land Area Breakup

Private land	277.224 Ha
Government land	40.558 Ha
Total Mining lease area (MLA)	317.782 Ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

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

Particulars	Details	Distance & Direction
Nearest Village	Jettipalem	0.3 km, SW
Nearest town	Rentachintala	6.0 km, SE
Nearest Highway	State Highway (SH-2) connecting Macherla – Dacheipalli	5.5 km, SSE
Nearest Railway station	Rentachintala	7.3km, SE
Nearest water bodies	GoliVagu	0.6 km, ESE
	Krishna River	0.7 km, N
	Nagarjuna Sagar Tailpond	0.7 km, NW
Interstate Boundary	Andhra Pradesh – Telangana	0.8 km, N
Temple	Satrasala Siva Temple	1.0 km, N

10. Water requirement

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

11. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	-
National Park	No	-
Wildlife Sanctuary	Yes	<ul style="list-style-type: none"> • Buffer Zone of Rajiv Gandhi Wild Life Sanctuary (Boundary of Tumurukota RF) - 4.2 Km, SW • PP obtained Wildlife clearance from NBWL vide letter no. 36338/2007-WL1 dated 09.02.2010 and letter

		no. 36338/2007/WL-1 dated 11.02.2011
Goli RF	Yes	Adjacent, E
Adavadevalpalli RF		1.6 km, N
Tummurukota RF		3.2 km. SW

12. Availability of Schedule-I species in study area – Available / Not Available

If available - authenticated list of flora/fauna details

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	<p>Due to presence of Tiger Sanctuary, Wild life Conservation plan for conservation measures for protection of Flora and Fauna in the core and buffer zones of Rajiv Gandhi Wild Life sanctuary was approved by PCCF vide letter no 38338/2007-WL1 dated 28.05.2008.</p> <p>PP informed to deposit Rs 15 Lakhs and Rs 24 Lakhs as per the approved Eco Development plan.</p> <p>PP deposited Rs 39 Lakhs with Divisional Forest Office, Wild Life Management, Nagarjuna Sagar for implementing the Plan. Rs 24 Lakhs for implementing the plan for afforestation scheme, fodder development and Soil Moisture Conservation Works and Rs 15 Lakhs for preferential treatment, aided natural regeneration, pasture plots, SMC works, Fire Protection Works and Saucer pits.</p>

13. Green belt/plantation details

Proposed area for green belt/plantation	38.363 Ha during the lease period
7.5 m barrier & non-mineralized zone	9.293 Ha
50 m safety zone of nallah, roads, electric lines	29.071 Ha
500 m safety zones of nearest habitation villages	Not Applicable
Budget for green plant& plantation till the end of life of mine.	Rs.30 Lakhs for Capital, Rs. 3.0 Lakhs for Recurring Cost per annum
Budget for nursery	Already allotted

14. Previous EC compliance, CTE/CTO and Past production details:

Particulars	Letter no. and date
Certified EC compliance report	Integrated Regional Office, MoEFCC, Vijayawada, Andhra Pradesh vide Letter No: IRO/VIJ/EPE/03-01/2021 Date: 29.04.2021
Consent For Operation (CFO)	Andhra Pradesh State Pollution Control Board vide Order No: APPCB/VJA/GNT/25379/CF O/HO/2020 dated 09/07/2020 renewed for a period of 5 (five) years i.e., upto 31.10.2025
Certified Past Production	Dept of Mines and Geology vide Letter No. 4551/M/2009, dated 09.12.2020 for the period 2007-08 to 2020-21 and Letter No. 4551/M/2009, dated 22.09.2021 for the period 2005-06 and 2006-07 for ML-I, area 180.09 ha. PP informed that mining operations not commenced in ML-II, 132.27 ha.

15. Affidavit/Undertaking details

Affidavit in a non-judicial stamp paper of Rs 100 bearing CV 473423 dated 08.06.2021	M/s Parasakti Cement Industries Limited shall comply with all the statutory requirements & judgment of Hon'ble Supreme Court dated 2 nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.
--	--

16. Resettlement & Rehabilitation (R&R) Plan

R & R	PP submitted that Amalgamated mining lease area of 317.782 Ha owned by PCIL. The mine area does not cover any habitation. Hence the mining activities does not involve any displacement of human settlement. No public buildings, places, monuments etc exist within the lease area or in the vicinity. The mining operations will not disturb/relocate any village or need resettlement.
-------	---

17. Court case details

Court Case	PP submitted that there is no any litigation pending against the project and/or land in which the project is proposed to be set up
------------	--

18. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	Rs. 1.0 Cr
Total Cost for EMP	Rs. 1.0Cr
Recurring Cost for EMP	Rs. 0.50 Cr
Project Cost	Rs. 5.5 Cr
Employment	58 persons

19. Observation and Recommendation of the Committee:

The proposal for Terms of Reference was considered in the 38th EAC (Non-Coal) meeting held during 29th – 30th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the PP initially obtained EC for ML-I 180.89ha for 0.465 MTPA under EIA Notification, 1994 in favour of M/s Chola Cements Ltd, which was transferred from M/s Chola Cements Ltd to M/s Parasakti Cement Industries Limited on 03.02.2004. Then, PP obtained EC for Expansion in Limestone production from 0.45 MTPA to 1.80 MTPA for ML I-180.09ha dated 13.09.2007 under EIA Notification, 2006.

EC for Limestone production of 0.20 MTPA for Limestone mine for ML II-132.27ha dated 11.09.2007 under EIA Notification, 2006. P P submitted that the both the mine lease ML- I and ML-II over an area of 317.90ha was amalgamated on 21.07.2009. The Committee felt that during the amalgamation of mining leases, PP was required to obtain Amendment in EC as per the EIA Notification 2006, as the scope of mining was changed due to increase in mining lease area. The Committee also noted that the PP has exceeded the EC (granted on 20.03.2003) capacity in year 2006-07 wherein production achieved was 6,41,696.40 Tonnes against approved capacity i.e., 4,65,000 Tonnes and PP also obtained the EC dated 13.09.2007 for expansion in limestone production from 0.45 MTPA to 1.80 MTPA for Limestone mine (ML I) and after obtaining the EC dated 13.09.2007, the production is within the EC limit. Thus, the Committee was of the view that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 W.P.C 114 of 2014 in the matter of Common cause Vs Union India and violation of EIA Notification, 2006.

The Committee felt that the instant proposal cannot be considered in present form and PP should obtain necessary amendment in EC for amalgamation of mining leases. Therefore, the Committee was of the view that Ministry should take action against the Project Proponent for violation and **returned the proposal in present form.**

2.5 Proposal for Environmental Clearance of M/s. UltraTech Cement Ltd for Paraswani Limestone Mine with Expansion in Limestone Production Capacity

from 4.2 Million TPA to 10.0 Million TPA and 7.1 Million TPA OB, Sub Grade, Mineral Rejects and Top Soil generation (Total Excavation: 17.1 MTPA) with One Existing Crusher of 1250 TPH Capacity & One Proposed Additional Crusher of 1800 TPH Capacity and Installation of new conveyor belt (length 1600 m) from pit to the plant in the mine lease area of 997.355ha at Villages: Hirmi, Paraswani, Bardih, Phunderdih & Saklore, Tehsil: Simga, District: Baloda Bazar - Bhatapara, Chhattisgarh–[File No: J-1101/55/2012-IA-II(M), Proposal No: IA/CG/MIN/19354/2013, Consultant: J.M. EnviroNet Pvt. Ltd] - Environmental Clearance (EC).

EAC Meeting Details:

EAC meeting	38 th
Date of Meeting	29 th – 30 th September, 2021

The proposal of M/s. UltraTech Cement Ltd is for grant of Environmental Clearance for Paraswani Limestone Mine with Expansion in Limestone Production Capacity from 4.2 Million TPA to 10.0 Million TPA and 7.1 Million TPA OB, Sub Grade, Mineral Rejects and Top Soil generation (Total Excavation: 17.1 MTPA) with One Existing Crusher of 1250 TPH Capacity & One Proposed Additional Crusher of 1800 TPH Capacity and Installation of new conveyor belt (length 1600 m) from pit to the plant in the mine lease area of 997.355ha at Villages: Hirmi, Paraswani, Bardih, Phunderdih & Saklore, Tehsil: Simga, District: Baloda Bazar-Bhatapara, Chhattisgarh. The mine lease area is located between Latitude 21°30'52.67"N to 21°32'59.26"N and Longitude: 81°56'27.50"E to 81°59'7.59"E. The mine lease area falls under the Survey of India Toposheet No: F44P14 and falls in Seismic Zone II.

2. M/s. UltraTech Cement Ltd has made an online application vide IA/CG/MIN/19354/2013 dated 20.08.2021 and submitted 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.

3. The proposal was earlier considered in the 36thEAC (Non-Coal) meeting held during 31stAugust & 1stSeptember, 2021 wherein the Committee noted that the Terms of Reference vide No. J-11015/110/2018-IA.II(M) dated 19.11.2018 was granted for 1 (a) Mining of Minerals and 2(b) Mineral Beneficiation, but PP has applied only for 1 (a) Mining of Minerals for grant of EC. During the presentation PP informed that the proposal involves Mineral Beneficiation (Crusher with Wobbler & Screen) and EIA/EMP report has been prepared for both mining and mineral beneficiation but due to technical issue in PARIVESH, Category 2(b) Mineral Beneficiation is not appearing in FORM-II.

The Committee was of the view that as proposal involves both the Category 1 (a) Mining of Minerals and 2(b) Mineral Beneficiation, the same needs to be reflected in public domain i.e. PARIVESH Portal, hence PP should consult the NIC team of the Ministry and resolve the issue. The Committee therefore deferred the proposal. Accordingly, PP has resolved the technical issue with the NIC team of the Ministry and now the proposal involves both the Category 1(a) Mining of Minerals and 2(b) Mineral Beneficiation which is reflected in PARIVESH.

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

Date of application	Proposal No	Consideration	Details	Date of accord
27.03.2003	IA/CG/MIN/11622/2004	-	Expansion in production of limestone from 2.62 million TPA to 3.3 million TPA in a total lease area of 997.355 ha under EIA Notification, 1994	11.04.2005
12.05.2005	IA/CG/MIN/23854/2005	-	Expansion in production of limestone from 3.3 million TPA to 4.2 million TPA in a total lease area of 997.355 ha under EIA Notification, 1994	16.03.2006
24.09.2008	IA/CG/MIN/75620/2012	-	Renewal of mine lease for production of 4.2 MTPA (ROM) limestone over mining lease area of 997.335ha	02.01.2014
26.08.2014	J-11015/55/2012-IA.II (M)	November 13 th - 14 th , 2014	Amendment in EC dated 02.01.2014	23.02.2015

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

Date of application	Proposal No	Consideration	Details	Date of accord
30.06.2018	IA/CG/MIN/75649/2018	23 rd October, 2018	Expansion in Limestone Production Capacity from 4.2 Million TPA to 10.0 Million TPA and 7.10 Million TPA OB, Subgrade, Mineral Rejects	19.11.2018

			and Top Soil per annum with one existing Crusher of 1250 TPH & one Proposed additional Crusher Capacity of 1800 TPH and Installation of new conveyor (length 1600 m) from the pit to the plant	
--	--	--	--	--

6. 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	Grant of mining lease vide Lr no. 3-89/91/12/3in favor of M/s. Larsen & Turbo Limited	15.12.1992	Limestone	22.02.1993	21.02.2013	Govt., of Madhya Pradesh	997.355
2	Letter regarding validity extension in mining lease vide letter No 646/Khali/Teen-6/ML/12	31.07.2015	Limestone	22.02.1993	21.02.2043	Collectorate Office (Mineral) District BalodaBazarBhatapara	997.355

7. The Project Proponent submitted that the Change in the name of lease was effected in favor of M/s Ultratech Cement Limited on 11.02.2005. The name change of lease deed was executed on 19.05.2014. The validity of the lease has been extended up to 21.02.2043 as per MMDR Amendment Act 2015. Subsequently Amendment agreement for extension of mining lease period up to 21.02.2043 of mine has been executed on 31.03.2016.

8. Details of Mine Plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For a period	Details
1	Modification in Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines	Balodaba/Chup/Kh yo-1160/2018-Raipur/486	14.08.2018	2018-19 to 2022-23	Limestone, 997.355ha

9. The Project Proponent submitted that Mining operation being/ will be done by fully opencast mechanized method. PP reported that total Geological Resources are 549.74 million tonnes and total mineable reserves are 252.089 million tonnes. Life of the mine will be 25 years. The bench height will be 6-8m and width will be 30m. Overall pit slope will be 45°. Hydraulic excavator of 6.5 cu.m bucket capacity (bottom dump type) is being/will be used for excavation and loading of blasted limestone into 55 tonnes capacity rear dumpers. After expansion, 33,333 TPD of excavated limestone will be transported from the working faces to the crusher by 55 tonnes capacity rear dumpers and will not use any of the public road. The number of rear dumpers required per day for transportation of limestone (as there will be 3 shifts @ 7.5 hrs) will be 606 nos. The number of trips per hour will be 26 numbers. Further crushed limestone is being transported via covered conveyor belt of 1300m length and will be transported via covered conveyor belt of 1600m length to its integrated cement plant. The Crusher location has been selected in the western side of the mining lease area and nearest to the plant site. Crushing plant exist in single stage rotary impact type with wobbler having capacity of 1250 TPH. Before crushing there is a system to segregate R.O.M in (+) 65 mm and (-) 65 mm through wobbler. Only (+) 65 mm material is fed to crusher and (-) 65 mm material, after screening is brought to product side through separate conveyors discharging finally to the crusher line conveyor. UTCL has also proposed to install a similar 1800 TPH capacity of crusher with wobbler and screening arrangement. During this mining plan period Top Soil: 0.04 MTPA & overburden waste/screen reject/subgrade has been planned around 2.58 (1.02 overburden waste+ 0.4 screen reject+1.16 sub grade) MTPA. PP reported that till date 0.67 million tonnes of Topsoil, 12.65 million tonnes of Overburden and 2.02 million tonnes of Reject has been generated. Reject is being/ will be dumped separately & later on it will be reclaimed by

backfilling & rehabilitated by plantation/regrassing. Sub-grade generated is being/will be used for cement manufacturing after blending with high grade limestone. PP reported that the ground water table in Pre-monsoon season ranges between 5.60 to 22.10m bgl and in Post-monsoon ranges between 0.85 to 17.80m bgl. Ultimate working depth will be 242 m AMSL (38m bgl). Renewal of NOC for Groundwater withdrawal & mine water intersection (23,48,050 cum/year) has been obtained from Central Ground Water Authority vide letter no. 21- 4/(42)/NCCR/CGWA/2009-681 dated 16.07.2019 & same is valid up to 01.07.2024.

10. Land Area Breakup

Private land	928.022 ha
Government land	69.333 ha
Total Mining lease area (MLA)	997.355 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil
Additional information (if any)	Out of the 69.333 ha of Govt. land, total grazing land is 42.044 ha out of which the company have working permission for 26.504 ha land. The remaining grazing area of Bardih village is in undisturbed portion and at the southern corner of the lease where mining is not proposed. However, at conceptual stage only 1.3304 ha of grazing land need to be exchanged.

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

Particulars	Details	Distance & Direction
Nearest Village	Bardih Village (Falls in Non-mining zone of ML Area in South) and Paraswani Village (Surrounded by Lease)	
Nearest Town/ City	Baloda Bazar	~22 km, NE
Nearest Highway	SH-9 NH-12A	~18.0 km, East ~14.0 km, West
Nearest Railway Station	Tilda Railway Station	~ 15.5 km, WNW
Water Bodies	One seasonal stream Mahanadi canal Chitwar Nala Tengna Nala Banjari Nala	First order stream is originating within the lease area and same will be mined out at conceptual stage ~50 meter in SSE ~200 meter in south ~2.5 km in SE ~3.0 km in NNW ~4.5 km in WSW

	Kumhari Tank Kumhari Irrigation Canal Khorsi Nala JamuniyaNadi Jhorkhi Nala	~5.0 km in NW ~7.0 km in ESE ~9.5 km in NW ~9.5 km in East
--	--	---

12. Water requirement

Total water requirement	450.0 KLD (Fresh water - 427.0 KLD&Treated water - 23.0 KLD)		Dust suppression	363.0 KLD
			Workshop	25.0 KLD
			Greenbelt	55.0 KLD
	Existing	Additional	Drinking/Domestic	7.0 KLD
	300.0 KLD	150.0 KLD		
Source	Mine pit & Bore wells			
Permission	Renewal ofNOC for Groundwater withdrawal & mine water intersection (23,48,050 cum/year) has been obtained from CGWA; vide letter no. 21-4/(42)/NCCR/CGWA/2009-681 dated 16.07.2019 and is valid up to 01.07.2024.			

13. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	PP reported that there is no forest land involved within the mine lease area. No National Park, Wildlife Sanctuary, Wildlife Corridors, Tiger reserves found within 10km radius. Certificate along with authenticated location map has been obtained from Additional Principal Chief Conservator of Forest, Govt. of Chhattisgarh vide letter no. Kra./Bhu-Prabandh/Khanij/331-280/09, Raipur, dated 04.01.2021.
National Park	No	
Wildlife Sanctuary	No	
Wildlife Corridors	No	
Tiger Reserves	No	
Aravali Range	No	PP obtained the Certificate from Additional Director, Directorate of Geology and Mining, Raipur, CG for confirming that the Mining Lease Area does not falls under the "Aravali Range" has been obtained vide letter no. 4481/ Geo-I (Misc.)/ F.No.-01/ 2020-21, Atal Nagar Raipur, Dated 05.11.2020.
Critically Polluted Area	No	PP obtained the Certificate from Member Secretary, Chhattisgarh Environment Conservation & Board, Nava Raipur Atal Nagar, Raipur, CG for confirming that the Mining Lease Area does not falls under the

		“Critically Polluted Area” has been obtained vide letter no. 9283/ Mukhya./Tak./ C.G.P.S.M./ 2021, Nava Raipur Atal Nagar, dated 25.01.2021.
--	--	--

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

If available - authenticated list of flora/fauna details

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	PP reported that there is no Schedule I species within the lease area. Certificate along with authenticated list of flora & fauna separately for core & buffer zone has been obtained from Additional Principal Chief Conservator of Forest, Govt. of Chhattisgarh vide letter no. Kra./Bhu-Prabandh/Khanij/331-280/09, Raipur, dated 04.01.2021.
Additional information (if any)	No	

15. Green belt/plantation details

Proposed area for green belt/plantation	336.342 ha
Over waste dump	13.530 ha
7.5 m barrier & non-mineralized zone	16.462 ha
Over backfilled area	306.350 ha
Budget for green plan & plantation till the end of life of mine	Rs 4.5 crores
Existing Status of Greenbelt/Plantation	At present total Greenbelt and Plantation has been done on 65 ha area (Greenbelt: 8.5 ha, On waste dump: 12 ha, on dump along mine lease in safety zone of 7.5m: 5.575 ha & on un-worked area: 38.925 ha).
Additional information (if any)	38.925 ha area has been covered under un-worked. During the detailed exploration mineral has been found in this area. Therefore the plantation will be removed for extraction of mineral with due permission from the concerned authorities and it will be compensated by the plantation on backfilled & same area. Plant species will be planted in consultation with the DFO.

16. Baseline detail

The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Winter Season. The Monitoring results of ambient air, surface water, soil, ambient noise

and ground water for the month of December, 2018 to February, 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 9 locations	Pollutant	Min, µg/m ³	Max, µg/m ³	98 %ile, µg/m ³	Standard, µg/m ³
	PM2.5	28.9	50.8	50.3	60
	PM10	60.1	91.9	91.2	100
	SO2	6.1	18.9	18.6	80
	NOx	13.6	32.0	31.6	80
AAQ modelling (Incremental GLC)	Pollutant	Baseline Concentration, µg/m ³	Incremental Concentration, µg/m ³	Total GLC, µg/m ³	Standard
	PM2.5	46.3	1.5	47.8	60
	PM10	90.1	3.8	93.9	100
	SO2	17.6	1.4	19.0	80
	NOx	27.8	1.9	29.7	80
Noise level at 9 locations	Day Time: 52.8 to 68.7Leq dB (A) Night Time: 42.1 to 58.3Leq dB (A)				
Ground water quality at 8 locations	PP submitted that pH varied from 7.38 to 7.83. Total hardness varied from 238 mg/l to 406 mg/l. Total Dissolved Solids varied from 326 mg/l to 605 mg/l. The water samples contain chloride from 32.41 to 132.80 mg/l, SO4 varied from 20.68 to 74.15 mg/l, Ca from 72.44 to 129.46 mg/l, Mg varied from 10.97 to 20.66 mg/l. The groundwater in all the samples, were observed to be within the permissible limits and complies to the drinking water standard (IS: 10500-2012).As the ground water quality is good in the area, the villagers use ground water for drinking purposes and also rain water stored in small tanks, village ponds etc. No adverse impact on water quality is envisaged due to existing mining project.				
Surface water quality at 2 locations	PP submitted that pH of collected water sample varied from 7.36 to 7.62 indicating slightly alkaline. Odour was found agreeable at all the locations whereas turbidity was less. BOD varies from 3.1 to 4.0 mg/l & COD varies from 11.2 to 14.9 mg/l indicating that Mine Site (Reservoir) and Kumhari Tank's water is clear.				
Soil quality at 8 locations	PP submitted that the soil samples exhibit brown and brownish red which indicates good fertility and presence of organic matter in the soil samples. The organic matter (0.92% to 1.41%) and organic carbon (0.53% to 0.82%) present in the soil observed to be appropriate for the plant growth. The texture of the soil samples were sandy loam, silty loam and clay loam. All soil samples have slightly alkaline having pH ranging from 7.49 to 8.0 which is an optimal range for most the plant to thrive and grow.				

17. Public Hearing (PH) Details

Advertisement for PH with date	National Level/Local Level: i. The Times of India, New Delhi on 13.11.2020 & corrigendum on 14.11.2020 ii. Navbharat, Chhattisgarh, Odisha on 13.11.2020 & corrigendum on 14.11.2020
Date of PH	15.12.2020
Venue	Courtyard of UltraTech Rural Development Centre in front of Project Site, Village: Hirmi, Tehsil: Simga, District: BalodaBazar
Chaired by	Mr. Rajendra Gupta: Additional District Magistrate and Additional Collector, Balodabazar
Main issues raised during PH	i. Renovation of school and roads ii. Sports playground development iii. Deepening of Paraswani Pond iv. Park Development v. Plantation Development vi. Installation of Solar Plates vii. Construction of cowsheds and drains etc.
Budget proposed for addressing issues raised during PH	Rs 1.63 Crores

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

S. No	Activities	Budget (Rs In Lakhs)	Physical Targets		
			1 st year	2 nd year	3 rd year
1	Ambulance service for villagers, well equipped hospital–Medical related support in form of equipment's, beds etc.,	64.0	Hospital – Medical related support in form of equipment's , beds etc. in village Saklore (40 lacs)	Ambulance service for villagers (Paraswani, Hirmi, Bardih & Saklore & Phunderdih) (14 lacs)	
2	Establishment of a COVID center &	20	Paraswani	-	-

	same will be tie up with Medical Staff & necessary medical equipment like Oxygen concentrators, beds, PPE Kits, support in vaccination, awareness programme etc				
3	<p>i. Smart class rooms with 5 Computers, specialized software, audience response technology, assistive listening devices, networking and audio/visual capabilities</p> <p>ii. Paraswani Govt. School renovation</p> <p>iii. Coaching Center, laboratory equipments</p> <p>iv. Sport playground development</p>	<p>10.0</p> <p>3.0</p> <p>3.0</p> <p>4.0</p>	<p>Infrastructure support in school of Bardih & Saklore</p> <p>Paraswani Govt. School renovation</p>	<p>5 Computers</p> <p>Sport playground development - Hirmi</p>	<p>Coaching Center-Hirmi</p>
4	<p>i. Renovation of roads from Paraswani to Hirmi</p> <p>ii. Construction of drains at Villages Paraswani, Hirmi, BardihPhunderdih and Saklore</p> <p>iii. Construction of cowshed (Vill.</p>	<p>16.0</p> <p>15.0</p> <p>4.0</p>	<p>Road Renovation: Paraswani to Hirmi (2000 m)</p> <p>Hirmi (500 m)</p>	<p>Cowshed Construction (01 in village Bardih-02 lacs) Drain construction: Paraswani (150 m) &Saklore (200 m)</p>	<p>Cowshed Construction (01 in vill. Saklore-02 lacs) Drain construction: in village Bardih (150 m)</p>

	Bardih&Saklore)				
5	i. Paraswani Pond deepening work ii. Construction of wall around the crematorium at Hirmi Village iii. Park Development (Vill. Hirmi)	5.0 4.0 3.0	Construction of wall around the crematorium (200 m Hirmi)	Park Development (Hirmi)	Paraswani Pond deepening work (Overhead syntax water tank & pond pinching)
6	Plantation (5000 trees) in Villages Paraswani, Hirmi, BardihFunderdih and Saklore (5000 x 100 = 5 Lakh)	5.0	Paraswani (1000 sapling)	Hirmi (1000 saplings), Bardih (2000 saplings)	Phunderdih&Saklore (1000 saplings)
7	i. Provision of solar lights/Fans (25 lights) in the village streets, Anganwadi, schools ii. Distribution of Solar lantern in all 5 villages iii. Installation of Solar plates in Schools for Power back-up	3.0 1.0 3.0	Paraswani	Hirmi, Bardih	Phunderdih and Saklore
	Total	163.0			

19. Previous EC compliance and Past Production details:

Particulars	Letter no. and date
Certified EC compliance report	Compliance of Conditions stipulated in Environment Clearance has been certified by Regional Office, Nagpur, Ministry of Environment Forest and Climate Change vide File no. 3-3/2014 (ENV)/7106, dated 03.09.2020.
Consent to Operate	Renewal of the consent of the Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of

	Pollution) Act, 1981 issued by the Chhattisgarh Environment Conservation Board vide No. 10796 /TS/CECB/ 2020 Nava Raipur Atal Nagar, Dated 03 /03 / 2020 for the period of three years i.e. from 01/03/2020 to 28/02/2023 for 4.20 Million Tonnes Per Annum.
Certified past production	Production details for the year 1993 to 2021 have been authenticated by Office Collector (Mines), Distt, BalodaBazar-Bhatapara, Chhattisgarh dated 19.06.2018, 11.12.2020 & 29.07.2021

20. The Project Proponent submitted that out of total mine lease area of 997.355 ha (Govt. Land: 69.333 ha & Pvt. Agriculture Land: 928.022 ha). Out of 928.022 ha Pvt. Land, 866.446 ha land has been purchased & remaining 61.576 ha land yet to be purchased. Land has been/will be purchased through provisions of LARR Act, 2013 & Chhattisgarh LARR Act, 2019 and through the mutual agreement with the land holders falling in the mining lease area. There are 78 project affected families (PAFs). There are 29 houses falling in Bardih village on Govt. land. The houses are falling in undisturbed area & same will not to be displaced. PP also submitted that employment will be provided to PAPs according to their education and skills. Budget proposed for the R&R Action plan is Rs. 27.25 Crores. Permission for entering in to land (Mine working permission) for 586.224 ha & 251.424 ha land area has been obtained from District Collector, Mineral Branch, Raipur vide letter no. ML/Mine deed 2/90, Raipur, dated 30.03.1993 & KA/KHA. LI/KhaniPatta/Lekha 4/145, dated 18.11.2000 respectively. Later mine working permission for 42.286 ha land area has also been obtained from Office Collector, Mineral Branch, BalodaBazar-Bhatapara, CG vide letter no. 1195/Teen-6/Lease Deed/N. K./2019, Balodabazar dated 21.11.2019. In future working permission for mining purposes will also be obtained from the Concerned Authority.

21. Court case details

Court Case	CECB, Raipur filled a Criminal petition (No 1985/2005) with CJM Court, Raipur as per direction of MoEF&CC letter bearing no. J-11015/69/2003-IA. II (M) dated 07.07.2005 and J-15012/29/2002-IA-II(M) dated 08.07.2005 for expansion of limestone mining capacity without taking Environmental Clearance. Under the section 245 of the Code of Penal Procedure, no such crime was proved against the accused which could be constructed as ground to penalize the accused. The case was dismissed. Show cause notice was issued on 07.07.2018 by DMO, Balodabazar as per Hon'ble Supreme Court order dated 02/08/2017 in Writ Petition (Civil) No. 114/2014. It was alleged that for the years 2000-01 to 2002-03 and 2004-2005 to 2006-2007, 7278850 tonnes
------------	---

	<p>of mineral produced in violation of EC and Water/Air Consents. Therefore, the project will attract the 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 and Ors and instructions were given to deposit Rs. 92,61,18,411.3 as compensation. PP submitted that they have submitted the reply of the Show cause Notice Issued by the Office of the Collector (Mineral Department), Balodabazar on 07.07.2018 and was submitted on 28.07.2018. The action on the reply submitted in respect of the said notice is under consideration.</p> <p>Letter regarding NOC has been received from Office of Collector (Mineral Branch), BalaodaBazar, Bhatapara, Chhattisgarh vide letter no./3586/Khali/Teen-1/2021, BalodaBazar, dated 24.02.2021. This NOC is issued on the condition that the Hon'ble Supreme Court has issued Writ Petition (Civil) No. 114/2014 In compliance of the decision passed, dated 2/8/2017, if any mineral or fine is found to be recoverable, it will be mandatory to deposit.</p>
--	---

22. Affidavit/Undertaking details

<p>Affidavit in a Non-Judicial stamp paper of Rs 100 bearing L 189975 dated 28.07.2018</p>	<p>The company hereby undertake by affidavit to comply with all the statutory requirement & judgment of Hon'ble Supreme Court dated 2nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.</p>
<p>Project Proponent submitted an Undertaking dated 13.08.2021</p>	<p>Project Proponent certify that we have reviewed the EIA report and take full responsibility and ownership of the contents presented in the EIA report by J.M. EnviroNet Pvt. Ltd. Instructions as per MoEF&CC vide O.M. No. J-11013/41/2006-IA. II (I) dated 4th August, 2009 has been followed in the preparation of this EIA Report. We also assure that there is no litigation pending against the project and/or any direction / order passed by any be borne by company.</p>
<p>Consultant submitted an Undertaking dated 13.08.2021</p>	<p>The Consultant submitted an undertaking to the effect that the conditions laid down in Terms of Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/110/2018-IA.II (M) dated 19th Nov., 2018 have been complied as per data/details provided by Project Proponent & as per Approved Modified Mining Plan along with Progressive Mine Closure Plan approved by IBM and the data submitted are factually correct.</p>
<p>Plagiarism Certificate checked on 20.07.2021</p>	<p>The Head of the Accredited Consultant Organization/ Authorized person certified that this EIA Report has been evaluated by using online in-house software viz.</p>

	small tools https://smalltools.com/plagiarism-checker/ . The report produced has been analyzed by the system and based on it, I certify that the EIA Report produce in accordance with good scientific practice.
--	---

23. Details of the EMP

S. No.	Activities	Existing		Proposed		Total	
		Capital Cost	Recurring	Capital Cost	Recurring	Capital Cost	Recurring
I	EMP for Pollution Control & Monitoring						
A.	Air Quality monitoring and Protection (Including Greenbelt/Plantation cost 504 Lakh)	158.84	44.8	382.57	74.44	541.41	119.24
B.	Water Quality monitoring and Preservation	45	18.9	-	-	45	18.9
C.	Noise and Vibration monitoring and Preservation	4.82	2.15	-	-	4.82	2.15
D.	Miscellaneous	-	4.75	-	-	-	4.75
TOTAL COST (A+B+C+D)						591.23 (Rs 5.91 Crore)	145.04 (Rs 1.45 Crore)
II	Estimated Budget for Addressing the Public Hearing Issues		1.63 Crore (within 3 years)			754.23	145.04

24. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Capital Cost for Environment Protection	5.91
Budget for addressing the Public Hearing issues	1.63
Total Cost for EMP	7.54
Recurring Cost for EMP	1.45
Project Cost	186
Employment	Existing – 118 persons, Additional – 82 persons. Hence, total man power requirement after the proposed expansion will be 200 persons.

25. Observation and Recommendation of the Committee:

The proposal for Environmental Clearance was considered in the 38th EAC (Non-Coal) meeting held during 29th – 30th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the CECB, Raipur filled a Criminal petition (No 1985/2005) with CJM Court, Raipur as per MoEF&CC letter bearing no. J-11015/69/2003-IA.II(M) dated 07.07.2005 and J-15012/29/2002-IA-II(M) dated 08.07.2005 for expansion of limestone mining capacity without taking Environmental Clearance and the case was dismissed as no such crime was proved against the accused which could be constructed as ground to penalize the accused. Further, PP also submitted that Show cause notice was issued by the Office of the Collector (Mineral Department), Balodabazar on 07.07.2018 as per Hon'ble Supreme Court order dated 02/08/2017 in Writ Petition (Civil) No. 114/2014 wherein it was alleged that for the years 2000-01 to 2002-03 and 2004-2005 to 2006-2007, 7278850 tonnes of mineral produced in violation of EC and Water/Air Consents and instructions were given to deposit Rs. 92,61,18,411.3 as compensation. PP submitted the reply on 28.07.2018 in respect of the said notice which is under consideration with District Mining Office, Balodabazar. PP obtained NOC from Office of Collector (Mineral Branch), BalaodaBazar, Bhatapara, Chhattisgarh vide letter no./3586/Khali/Teen-1/2021, BalodaBazar, dated 24.02.2021 issued on the condition that the Hon'ble Supreme Court has issued Writ Petition (Civil) No. 114/2014 in compliance of the decision passed, dated 2/8/2017, if any mineral revenue or fine is found to be recoverable, it will be mandatory to deposit. The Committee also noted that the PP already operating Crusher of 1250 TPH Capacity and proposed one additional Crusher of 1800 TPH Capacity wherein the EMP does not specifically mention the efficacy of current noise level generated at the crusher and looking at the proximity of the village. The Committee observed that the type and size of the equipment is not properly commensurate to the expansion proposed. Therefore, the Committee **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the actual monitoring data of noise and ground vibration at the crusher and the nearest immediate receptor in the direction of the village for existing facility and use the data to quantify the potential impacts due to new crusher proposed. PP should also submit the protection measures taken for noise and ground vibration in view of the proximity of the village and one additional Crusher of 1800 TPH capacity proposed.
- ii. Since one more crusher is proposed of capacity 1800 TPH as well EMP budget of Capital cost increased from Rs 158.84 Lakhs to 382.57 Lakhs, PP must do validation of earlier crusher with the performance of noise and air control

equipment's and after validation by actual monitoring demonstrate the confidence level of the control measures in the new EMP proposed.

- iii. The amount indicated for Noise and Vibration monitoring and Preservation in the existing EMP has not been extended to additional EMP proposed which needs to be provided for the expansion project particularly at the crusher and the cost also looks inadequate.
- iv. The area of 565.658ha of water reservoir shown at the conceptual stage is more than the 50% of the mine lease area, hence PP needs to submit the action plan to reduce the area of water reservoir and also the plan for Eco restoration of top benches up to the highest HFL in last 100 years along with the budget.
- v. The current status of the Show cause notice was issued by the Office of the Collector (Mineral Department), Balodabazar on 07.07.2018 as per Hon'ble Supreme Court order dated 02/08/2017 in Writ Petition (Civil) No. 114/2014 and its compliance and the status of court case.
- vi. The Project Proponent submitted the Letter from Collector Office indicating NOC from Office of Collector (Mineral Branch), Balaoda Bazar, Bhatapara, Chhattisgarh vide letter no./3586/Khali/Teen-1/2021, BalodaBazar, dated 24.02.2021. Project proponent needs to submit the NOC for the same by the Department of Mines and Geology, State Government with the current status.
- vii. Use of water bodies for villagers which is already practiced by PP, should be further streamlined and sustain even after the expiry of the mine lease. PP should also explore the possibility of using water body surface area for installing floating solar panels to generate solar power.
- viii. The Project Proponent needs to upload all the copies of EC's/ Letter no.J-11015/69/2003-IA.II(M) dated 07.07.2005 and J-15012/29/2002-IA-II(M) dated 08.07.2005 for the said mine lease area since inception of the Mine along with show cause notice directions issued by Ministry, if any along with all other relevant documents on Parivesh portal.
- ix. The Project Proponent should explore the possibility for shifting to clean energy using electric equipment for cleaner production options to reduce the emission. The Project Proponent should submit the action plan to phase out the old equipment and switch over to electrically operated equipment's for ensuring sustainability of mining operations.

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	29 th Sept. 2021	30 th Sept. 2021
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	Yes	Yes
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes	Yes
5	Shri Santosh Gupta	Flat No. 405, Block -B, Gaur Green Vista, NyayKhand - 1, Indrapuram, Ghaziabad- 201014	Member	Yes	Yes
6	Dr. (Ms.) Asha Rajvanshi	Wildlife Institute of Inida, Chandrabani, Dehradun- 248001	Member	Yes	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	No	Yes

Minutes of 38th EAC Meeting (Non-Coal Mining) held during 29th – 30th September, 2021.

8	Dr. A.K.Malhotra	House no.33, Sector-11 Dwarka, New Delhi- 110075	Member	Yes	Yes
9	Dr. Gurdeep Singh	Centre of Mining Environment, Department of Environmental Science & Engg. Indian Institute of Technology (Indian School of Mines), Dhanbad-826004	Member	Yes	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	Yes	Yes
11	Prof. Mukesh Khare	Department of Civil Engineering, IIT, Delhi	Member	Yes	No
12	Mr. V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, MausamBhawan, Lodi Road, New Delhi – 110003	Member	No	No
13	Sh. Pankaj Kulakshethra	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur – 440001.	Member	Yes	Yes
14	Sh. P.K.Kundu	Representative of DGMS	Member	Yes	No
16	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira ParyavaranBhawan, MoEF&CC, Jorbag, New Delhi- 110003	Member Secretary	Yes	Yes
