

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

SUMMARY RECORD OF 37th MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 37th 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 15th – 17th 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 36th EAC meeting held during 31st August & 1st September, 2021.

The minutes of 36th EAC meeting held during 31st August & 1st September, 2021 were placed before the members of the Committee.

DAY 1: 15.09.2021 (Wednesday)

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

1. EAC Meeting Details:

EAC meeting	37 th EAC Meeting
Date of Meeting	15 th to 17 th September 2021

2. Project details:

Name of the Proposal	Gaurala and Somnala Limestone and Dolomite Mine	
Location	Village	Gaurala
	Tehsil/Taluka	Maregaon
	District	Yavatmal
	State / UT	Maharashtra

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

3. Category details:

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

4. ToR/EC Details:

ToR Proposal No.	IA/MH/MIN/74203/2018
Online application date for Form-I	11.04.2018
Documents Submitted	Form I, PFR, Draft Mining Plan, Violation Details
EAC meeting date	13 th EAC-Violations dated 18 th Sept. 2018
ToR Letter No.	23-246/2018.IA.III(V)
ToR grant Date	04.01.2021 vide EAC reference 18.09.2018
Production capacity	Limestone: 741.94 TPD
Soil	Nil
Waste	82.46 Tonnes/day (OB + Rejects)
Others	Nil
Total Excavation	824.4 TPD
EIA/EMP uploaded on	16.07.2021
Date of earlier meeting	34 th EAC Meeting held during 27 th to 30 th July 2021 and 13 th Meeting of EAC-Violations on 18.09.2018.

5. Lease Details:

Granted Prospecting Licence	Area	116.13 Ha
	Execution date	Lease execution for renewal of lease is pending. Renewal order is issued on 13.10.2006
Application for the Mining lease area and Date	Lease execution for renewal of lease is pending. Renewal order is issued on 13.10.2006	
Validity of mine lease	till 11.12.2024	

Letter of Intent	Letter No.	MMN- 1006/C.R.2065/Ind-9
	Date	13.10.2006

6. Observation and Recommendation of the Committee:

During the 37th EAC (Non Coal Mining) meeting held during 15th – 17th September, 2021, the Committee observed that at the time of renewal of mine lease vide letter dated 13.10.2006; the project proponent should have executed the renewed lease within 6 months. However, execution of renewed mine lease was not obtained within the given time frame. The EAC also noted that the project proponent calculated the damage assessment from 1984 instead of 1994 which needs to be revised. Therefore, the Committee **deferred** the proposal for want of the following information:

- 1) The project proponent has to obtain and submit a letter from Department of Mines, Govt. of Maharashtra that the project proponent will be permitted to execute the lease after grant of Environmental Clearance. This is required because renewal of mine lease vide letter dated 13.10.2006 clearly mentioned that the project proponent should execute renewed mining lease within 6 months from the date of order dated 13.10.2006.
- 2) The project proponent needs to submit the revised table of damage assessment by calculating the damage from 1994 onwards till 2011 instead of 1984.
- 3) The project proponent needs to submit the revised table of EMP for public hearing concerns by providing only capital expenditure in 2 years i.e. upto 2023 as current lease is expiring in 2024.
- 4) The project proponent needs to submit the revised table aligning with the approved mining plan indicating total Limestone, Dolomite, overburden, interburden and mineral rejects. Also, details of total excavation shall be resubmitted along with the stripping ratio.
- 5) The project proponent has confirmed that mining will be done only up to 16 m from the surface and current level of mining is 10m in the existing pit. The project proponent will be permitted for one more bench and production will be permitted from this bench only.
- 6) The project proponent needs to submit the current status of the credible action taken.

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- 7) The project proponent needs to submit the cost saved in EMP expenditure and profit accrual during violation period duly certified by the Finance Department.

1.2 Proposal under Ministry's Notification S.O. 1530 (E) dated 06.04.2018 for Khandel Ki Pal Soapstone and Dolomite Mine (Old ML No. 7/84, New ML No. 1/2003) with the production capacity for mineral Soapstone is 16,000 MTPA and Dolomite is 15,200 MTPA in the mine lease area of 156.310 ha out of which 34.22 ha of forest by M/s Mahaveer Trading Company – ToR File No. J-11015/21/2005-IA.II(M) Proposal No. IA/RJ/MIN/77624/2018

1. EAC Meeting Details:

EAC meeting	37 th EAC meeting
Date of Meeting	15 th – 17 th September 2021

2. Project details:

Name of the Proposal	Khandel Ki Pal Soapstone and Dolomite Mine (Old ML No. 7/84, New ML No. 1/2003) with the production capacity for mineral Soapstone is 16,000 MTPA and Dolomite is 15,200 MTPA in the mine lease area of 156.310 ha out of which 34.22 ha of forest	
Location	Village	Khandel Ki Pal
	Tehsil/Taluka	Salumber
	District	Udaipur
	State / UT	Rajasthan
	Latitudes	24°05'37.48" N to 24°06' 50.88" N
	Longitudes	74°10'52.48" E to 74°11'51.01" E
	SoI Topo sheet No.	45L4
Company's Name	M/s Mahaveer Trading Company	
KML file	Submitted	
Seismic zone	Seismic zone II	

3. Category details:

Category of the project	Category 'A' of Activity 1(A)
Provisions	EIA Notification 2006
Mining lease Area	156.31 hectares

4. ToR/EC Details:

ToR/EC Proposal No.	IA/RJ/MIN/77624/2018
Online application date for Form-I	04/09/2018
Documents Submitted	Form-I, PFR, KML file, Production certificate, Executive summary, Previous EC
Previous EC Letter No.	J-11015/22/2005-IA.II(M)
EC grant Date	07.09.2005
Production capacity	Mineral Soapstone-16,000 MTPA, Dolomite- 15,200 MTPA and Dolomitic Block (Marble) – 1,00,000 MTPA
Soil	-
Waste	1,54,266 MTPA
Total Excavation	2,71,003 MTPA

5. Lease Details:

Granted Mining Lease	Area	156.31 ha
	Execution date	14/5/1965
	ML No.	Old ML No. 7/84, New ML No. 1/2003
Validity of mine lease	Valid upto 31.03.2030	
Additional information	<p>The lease was initially granted and registered on 14/5/1965 for 20 years. Subsequently mining lease was renewed first time on 25/8/1985 for 20 years and lease renewal agreement was registered on 28/8/1985.</p> <p>Subsequently mining lease was renewed second time on 17/1/2007 for 20 years. and lease renewal agreement was registered on 20/1/2007.</p> <p>Again, mining lease time period was extended and lease period validity agreement was done on 14/1/2016.</p> <p>The lease period is valid upto 31/3/2030.</p>	

6. Observation and Recommendation of the Committee:

During the 37th EAC (Non Coal Mining) meeting held during 15th – 17th September, 2021, the Committee observed that the proposal is under Ministry's Notification S.O. 1530 (E) dated 06.04.2018. Earlier, the Environmental Clearance was granted vide letter no. J-11015/22/2005-IA.II (M) dated 07.09.2005. The Committee observed that the mine is in operation since 1985 without EC till 2004 and with EC from 2004 granted under EIA Notification, 1994. However, the certified compliance report has never been

submitted by project proponent. The Committee observed that after obtaining EC in 2005, only underground mining has been undertaken, whereas, EC was granted for both open cast as well as underground mining. The EAC also noted that the project proponent has not carried out plantation in the peripheral area, dump area etc. as per previous EC condition stipulated. Therefore, the Committee **deferred** the proposal for want of the following information:

- 1) The project proponent needs to submit the latest certified compliance report from IRO.
- 2) From the KML file it appears that the mining plan is not properly adhered and after obtaining the EC, only underground mining has been undertaken, in contrary to EC which was for both open cast and underground. The project proponent needs to submit the clarification of the same.
- 3) The project proponent has not carried out plantation in the peripheral area, dump area etc. as per previous EC condition stipulation. The project proponent needs to submit the current status and plan of greenbelt and plantation.
- 4) The project proponent also had no clarity on the proposal of soapstone, marble and dolomite. Hence, the production capacity of mineral soapstone is 16,000 MTPA and dolomite is 15,200 MTPA. There is only a mention of dolomitic block for which permission has to be obtained from the State Authority. However, it appears that permission for dolomitic block has not been obtained yet. Therefore, the project proponent needs to clarify whether this proposal comes only under Ministry's Notification S.O. 1530 (E) dated 06.04.2018 or should it be considered for expansion.
- 5) The total excavation indicated is 2, 71,000 MTPA. The project proponent needs to clarify whether this quantity of excavation was taken into consideration at the time of preparation of EIA/EMP report earlier which was also presented in the public hearing in 2004.
- 6) Since, only underground mining has been undertaken; the waste generation will be restricted to only 7000 tonnes. Therefore, the two figures of 40,000 indicated in the soapstone and dolomite and 1,30,000 mentioned in the dolomitic block has to be a part of EIA/EMP report on which the EC was granted.
- 7) The project proponent needs to submit DMG certified past production details as per the granted EC.
- 8) The project proponent needs to submit the bifurcation details of open cast and underground mining as per the approved mining plan.

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- 9) The project proponent needs to submit the final outcome of Hon'ble Supreme Court in Contempt Petition (C) no. 412/2004 in IA no. 833 in Writ Petition (C) No. 202 of 1995 as mentioned in specific condition (i) of EC granted on 07.09.2005.

1.3 Proposal for Terms of Reference (ToR) with the proposed Bauxite mine with the production capacity of 0.9 MTPA in the Mine lease area of 144.95 ha located at village Nanar, Taluka Rajapur, District Ratnagiri, Maharashtra by M/s. Sociedade de Fomento Industrial Pvt. Ltd.- [File No. IA-J-11015/67/2021-IA-II; Proposal No. IA/MH/MIN/226441/2021] - ToR

1. EAC Meeting Details:

EAC meeting	37 th EAC Meeting
Date of Meeting	15 th to 17 th September 2021

2. Project details:

Name of the Proposal	Nanar Bauxite Block with the production capacity of 0.9 MTPA in the Mine lease area of 144.95 ha	
Location	Village	Nanar
	Tehsil/Taluka	Rajapur
	District	Ratnagiri
	State / UT	Maharashtra
	Latitudes	N 16° 30' 38.83" N to 16° 32' 17.28"N
	Longitudes	E 73° 26' 46.70" E to E 73° 27' 39.78" E
	Sol/ Topo sheet No.	47H/6
Company's Name	M/s. Sociedade de Fomento Ind. Pvt. Ltd	
Accredited Consultant and certificate no.	M/s Mineral Engineering Services, Ballari, Karnataka NABET sr. no 112, dated 8 th May, 2020	
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)	144.95 Ha.

4. ToR/EC Details:

ToR Proposal No.	IA/MH/MIN/226441/2021
Online application date for Form-I	27 th August 2021
Documents Submitted	Form I and PFR
Production capacity	0.9 million tonnes per annum of Bauxite
Soil	NIL
Waste	9.304 million tonnes up to life of the mine
Total Excavation	19.304 million tonnes up to life of the mine

5. Lease Details:

Letter of Intent by Govt. of Maharashtra	Letter No.	MMN-0719/C.R42(Part- 10)/IND-9
	Date	10.09.2020
	Mineral	Bauxite
	Mine lease area	144.95 Ha
	In favor of	M/s Sociedade de Fomento Ind. Pvt. Ltd
	Validity of LOI	3 years i.e. till 09.09.2023
Validity of mine lease	50 yrs	

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	MP/MECH-01(MAH)/GOA/2021-22
	Date	03.08.2021
	Validity	50 Years
Mining Parameters	Quantitative Description	
Bench Height	The height of the benches in ore and overburden shall not be more than the reach of machine used for digging	
Bench Width	Mining will be done as single bench	
Method of Mining	Opencast Mechanized Mining	
Individual bench slope	Mining will be done as single bench	
Overall pit slope	Mining will be done as single bench	
Drilling/Blasting	No	
ROM output size	Size = 0 to 75mm 75mm to 100mm 100 mm to 150mm	
Life of mine	14 Years (the life of the Mine may extend based on the proposed mineral exploration)	
Transportation details	By road	

Dumpers capacity	10 /35 Tonnes
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7. Land Area Breakup:

Private land	144.3917 Ha
Government land	0.5583 (Road)
Total Mining lease	144.95 Ha

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

Particulars	Particular's Name	Distance & Directions
Railway Station	Rajapur Road	35km
Town	Rajapur	18km

9. Water requirement

Total water requirement	150 KLD
Source	Mine Pit water and Well water
Permission	Not Applicable

10. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	Not Applicable
National park	No	
Wildlife Sanctuary	No	

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

11. Green belt/plantation details:

Proposed area for green belt/plantation	9.0633 Ha
Budget for green plant & plantation till the end of life of mine.	10 Lakhs
Budget for nursery	2.0 Lakhs

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	6.1894 Ha

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50 m safety zone of nallah, roads, electric lines	2.8739 Ha
500 m safety zones of nearest habitation villages	Nil

12. Court case details:

Court Case	Nil
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13. Rehabilitation & Resettlement:

R & R details	There exist few structures towards the eastern side of the Mining Lease area, whenever mining advances towards these structures, the same will be shifted well in advance with necessary permissions from competent authority.
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14. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	Will be proposed during EIA-EMP studies
Budget for addressing the Public Hearing issues	
Total Cost for EMP	
Recurring Cost for EMP	
Project Cost	4.2 Crore
Employment	135 persons

15. Observation and Recommendation of the Committee:

During the 37th EAC (Non Coal Mining) meeting held during 15th – 17th September, 2021, the Committee asked the project proponent regarding the distance of their mine site from ESA of Western Ghats wherein the project proponent informed that the mine site does not falls in ESA of Western Ghats. The Committee observed that a major river is 1.2 Km to the South of mine site and the site is surrounded by the sides with water streams. The EAC also noted that there will be no drilling and blasting. After detailed deliberations, the Committee **recommended** the proposal for Terms of Reference (ToR) with the proposed Bauxite Mine with the production capacity of 0.9 MTPA in the Mine lease area of 144.95 ha located at village Nanar, TalukaRajapur, District Ratnagiri, Maharashtra by M/s. Sociedade de Fomento Industrial Pvt. Ltd with the following specific conditions:

- 1) The Ministry to get comments from ESZ Division, that the project site does not falls under ESA of Western Ghats, as the site is in close proximity with the Western Ghats.

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- 2) The project proponent shall submit the letter stating that the mine site is not falling in ESA of Western Ghats at the time of appraisal of EC duly authenticated from concerned authority.
- 3) Since a major river is 1.2 Km to the South of mine site and the site is surrounded by the sides with water streams, the safety of mine from flood and vice versa i.e. safety of streams from mine operations needs to be addressed in the EIA/EMP report through proper control measures.
- 4) Since it is very close to Western Ghats, selection of air quality monitoring stations near the eco sensitive spot needs to be identified and monitored.
- 5) Though there is no drilling and blasting proposed, control of noise and the vibration if any must be addressed in the EIA/EMP report.
- 6) The project proponent shall mention about the operation of a refinery (if any exists) near the mine site in the EIA/EMP report. Also, incorporate the impacts of the project of refinery on this mine.

1.4 Proposal for Environmental Clearance of Kallankurichi Limestone Mines (G.O. No. 456; MLA: 194.16.5 Ha) for expansion in production capacity from 0.28 Million TPA to 1.34 Million TPA located at Villages: Periyagalur, Kallankurichi, Ameenabad & Khairulabad, Tehsil: Ariyalur, District Ariyalur, State: Tamil Nadu by M/s Tamil Nadu Cements Corporation Limited – [Proposal no: IA/TN/MIN/211156/2017; File No. 23-18/2019-IA.III (V); Consultant: Mantec Consultants Private Limited] - EC

1. EAC Meeting Details:

EAC meeting	37 th EAC meeting
Date of Meeting	15 th – 17 th September, 2021

2. Project details:

Name of the Proposal	Capacity Expansion from 0.28 million TPA to 1.34 million TPA of GO No.456, Kallankurichi Limestone Mine	
Location	Village	Periyagalur, Kallankurichi, Ameenabad&Kairulabad,
	Tehsil/Taluka	Ariyalur
	District	Ariyalur

	State / UT	Tamil Nadu
	Latitudes	11° 09' 12.34" E to 11° 09' 12.37" E
	Longitudes	79° 06' 49.24" N to 79° 06' 49.32" N
	SoI Topo sheet No.	58M/4
Company's Name	M/s Tamil Nadu cements Corporation Limited	
Accredited Consultant and certificate no.	Mantec Consultants Private Limited NABET/EIA/2023/RA 0205 Valid up to 20-04-2023	
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	194.16.5 ha

4. ToR/EC Details:

ToR Proposal No.	IA/TN/MIN/65544/2017
Online application date for Form-I	19.06.2017
ToR Letter No.	23-18/2019-IA-III (V)
ToR grant Date	16.12.2019
Production capacity	1.34 million TPA
Soil	0.055 million TPA
Waste	No waste is generated other than top soil
Total Excavation	9135107.05 MT
Crusher	Available outside the lease area.
EIA/EMP uploaded on	05/05/2021
Documents Submitted	<ul style="list-style-type: none"> ● EIA/EMP report ● Form-2 ● ToR letter ● Lease Documents ● Scheme of Mining Approval letter ● Past Production details ● Affidavit by Project Proponent ● No dues certificate ● Mine closer Notice ● Public Hearing Minutes
Date of earlier EAC meetings	<ul style="list-style-type: none"> ● 17th EAC meeting (Violation) Committee held on 29th -31st January 2019 for Terms of Reference. ● 26th EAC meeting (Violation) committee held on 30th September-1st October 2019 for Terms of

	<p>Reference.</p> <ul style="list-style-type: none"> 33rd EAC meeting held during 13th-16th July 2021 for EC wherein the Committee noted that this is a violation case as mine was operated without obtaining prior environmental clearance after lease fell, due for renewal in 2005 and also enhanced the production of limestone. Ministry issued closure directions vide letter no.J-11015/137/2014_IA.II (M) dated 14th July, 2014 under section 5 of E (P) Act, 1986 but PP still operated the mine till 18.08.2017 which is for around further 3 years despite of closure directions.
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5. Lease Details:

Granted Prospecting Licence	Area	194.16.5 ha
	Execution date	13.11.1985
Validity of mine lease	12.11.2035	
Letter of Intent	Letter No.	RC.NO.6969/MM9/2007
	Date	11.10.2019

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	TN/ALR/LST/ROMP-1596.MDS
	Date	15/09/2020
	Validity	2020-21 to 2024-25
Mining Parameters	Quantitative Description	
Bench Height	6 m	
Bench Width	6m or more	
Method of Mining	Open cast fully mechanized method	
Individual bench slope	60 ⁰ from horizontal	
Overall pit slope	45 ⁰	
Drilling/Blasting	No drilling and blasting will be done.	
RoM output size	6146212 TS	
Life of mine	~15 Years	
Transportation details	Transportation of minerals in the trucks/dumper	
Dumper's capacity	25	

7. Land Area Breakup:

Private land	Patta Land -149.665 ha
Government land	44.5 Ha
Total Mining lease area	194.16.5 Ha

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

Particulars	Particular's Name	Distance &Directions
Nearest Town	Ariyalur	~2.8 km
Railway station	Ariyalur Railway Station	~2.58 km in West direction
Highway	SH-217	~98 meter in NW direction
Nearest Airport	Chennai International Airport	~224 km in NE direction

9. Water requirement

Total water requirement	35 KLD	Fresh water	0.20 KLD
		Treated water	0.80 KLD
Source	Rain water harvesting reservoir located at G.O 344 (Kallankurichi Limestone Mine)		
Permission	No permission is required		

10. Presence of Environmentally Sensitive areas in the study area

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

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	PP submitted request letter vide Ref. No. WL5(A)/15830/2021 dated 23.04.2021 to PCCF, Chennai for authentication of Wildlife Conservation Plan. One schedule 1 species was found in the study area i.e., Pavocristatus (Indian Peafowl).

11. Green belt/plantation details:

Proposed area for green belt/plantation	64.07 ha
Budget for green plant& plantation till the end of life of mine.	48.05 Lakhs

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	1.20.0 Hectares
50 m safety zone of nallah, roads, electric lines	22.51.0 Hectares
500 m safety zones of nearest habitation villages	-

Additional information (if any)	27.79.0 Hectares
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12. Baseline detail

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	March 2019-May 2019
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Pre-monsoon
Baseline data status	The project proponent submitted that the baseline data of air quality, noise levels, water quality, soil quality etc. are well within the standard limits.

13. Public Hearing details

Advertisement for PH	10 th Nov., 2020
Date of PH	10 th Dec., 2020
Venue	S. F. No. 106 Community Hall, Village-Kairulabad, Tehsil- Ariyalur, District-Ariyalur and State- Tamil Nadu
Chaired by	District Collector, Ariyalur
Main issues raised during PH	Employment
Budget proposed for addressing issues raised during PH	Rs. 5.0 Lakhs

14. Court case details:

Court Case	None
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15. Rehabilitation & Resettlement:

R & R details	NA
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16. Affidavit/Undertaking details:

Affidavit/Undertaking	PP submitted an affidavit dated 25.09.2019 stating to comply all statutory requirement and common cause judgment dated 02.08.2017 and the company shall not repeat any such violation.
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17. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	PP carried out production from 1994-95 to 2017-18 without Environmental Clearance.
Certified past production	PP submitted certified past production details from 1994-95 to 2017-18. Mine is not in operation since

	19.08.2017.
Damage assessment report	PP submitted damage assessment report and total damage cost is Rs. 2,85,90,045.35

18. ADS reply:

S.No.	Observation	Reply/ Document
1.	The project proponent needs to submit the justification/clarification for operation of mine after the Ministry issued closure directions vide letter no.J-11015/137/2014_IA. II (M) dated 14th July, 2014 under section 5 of E (P) Act, 1986.	The Justification/Clarification for operation of mine has been submitted.
2.	The project proponent needs to submit the revised damage assessment report including the revised cost of damage as per the discussion during the meeting. PP also needs to submit the revised EMP cost	The revised damage assessment report and cost of damage along with the revised EMP cost has been submitted.
3.	The project proponent needs to submit the block-wise excavation program as approved in mining plan	The Block wise excavation program is has submitted.
4.	Block-2 is totally mined out and no remediation has been noted. The project proponent needs to submit the measures taken for the remediation of mined out Block 2.	<ul style="list-style-type: none"> • Block 2 mining pit is exhausted and currently it's used as water reservoir. • Details of Remediation plans of providing Safety barrier, Boundary Planation, fencing etcis elaborated in Annexure – 4 and conceptual reclamation plan with surface features at end of life of mines has submitted • The commitment for completion of remedial works within next 2 years is given as undertaking in has submitted
5	The project proponent must take up the peripheral plantation with 3 m sapling all around the four blocks and in the non-mineralized zone including the gap plantation.	<ul style="list-style-type: none"> • Details of greenbelt / plantation for all 4 blocks are submitted as an annexure. • Details of Conceptual Remediation plan including plantation / greenbelt development at end of life of mine for all blocks has been attached as an annexure.

		<ul style="list-style-type: none"> The commitment for completion of greenbelt / plantation as per schedule is given as undertaking has submitted
6	The project proponent needs to submit the proper table indicating the capital investment to address the concerns expressed by the people in the Public Hearing and accordingly the action plan to be taken in 3 years.	<ul style="list-style-type: none"> Details Of Capital cost breakup has submitted Action plan for 3 years against 2% of capital cost contributed against public hearing pleading as per OM dated 30/09/2020 has submitted.
7	The project proponent needs to submit the revised total project cost, taking land cost into account and accordingly 2% of the total project cost should be Public Hearing cost.	<ul style="list-style-type: none"> Breakup of capital cost including Land cost is has submitted. The details of 2% of capital cost contributed against public hearing pleading as per OM dated 30/09/2020 has submitted
8.	The project proponent needs to submit the revised cost for biodiversity conservation mentioned in Wildlife Conservation Plan.	The revised cost for biodiversity conservation mentioned in wildlife conservation plan has submitted
9.	The project proponent needs to submit the mining plan approved by IBM	The Mining Plan approved by IBM has submitted

19. Details of the EMP

S.no.	Item	Capital cost (Rs. in Lakh)	Recurring cost (Rs. in Lakh per annum)
1.	Environmental Training /awareness	-	1.00
2.	Pollution abatement- Water sprinkling	-	2.50
3.	Environmental Monitoring cost *	-	3.00
4.	Haul road maintenance	-	3.00
5.	Greenbelt Development	14.75	2.00
Total		14.75	11.50

20. Details of project cost and employment:

Particulars	Details
Capital Cost for Environment Protection	Rs. 0.065 Crore
Budget for addressing the Public	Rs. 0.05 Crore

Hearing issues	
Total Cost for EMP	0.1475 Crores
Recurring Cost for EMP	Rs. 0.1150 Crores
Project Cost	Rs. 2.5 crore
Employment	30 persons

21. Observation and Recommendation of the Committee:

During the 37th EAC (Non Coal Mining) meeting held during 15th – 17th September, 2021, the Committee observed that the project proponent submitted the revised cost for damage assessment, which is 3.55 Crores as per the Guidelines of calculating damage assessment. After detailed deliberations, the Committee **recommended** the proposal for Environmental Clearance of Kallankurichi Limestone Mines (G.O. No. 456; MLA: 194.16.5 Ha) for expansion in production capacity from 0.28 Million TPA to 1.34 Million TPA located at Villages: Periyanalur, Kallankurichi, Ameenabad & Khairulabad, Tehsil: Ariyalur, District Ariyalur, State: Tamil Nadu by M/s Tamil Nadu Cements Corporation Limited with subject to submission of following information: (i) The project proponent should submit a breakup of Rs. 60 lakhs to be spent for addressing public hearing concerns. (ii) The project proponent should revise and submit the cost of EMP for public hearing concerns by recalculating the project cost based on the present market value of the land and is advised to prepare a budget for Rs.250 Lakhs for capital expenditure in 3 years to cover following aspects: (a) Infrastructure for environment including drinking water and sanitation; (b) Power; (c) Health; (d) Education and (e) Communication along with following specific conditions:

- 1) The project proponent shall ensure the reclamation of BLOCK 2 to be completed in one-year period as committed during the meeting.
- 2) The project proponent shall ensure to spend Rs.60 lacs over a period of three years under EMP as per the O.M. dated 30th Sept, 2020 with the specific areas covering Health, Education, Skill development and Infrastructure development to the neighborhood with specific and monitorable activities.
- 3) The Project Proponent shall ensure that the protection and management of the water bodies should include provision of utilizing available water to the villagers by installing solar pumps as well as project proponent shall explore the possibility for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.

- 4) Mist spray arrangement shall be made at all the transfer points. PP should also provide duct hoods at all dust generating points including transfer points along with Bag filter.
- 5) Personnel Protective Equipment (PPE) shall provide to all the personnel engaged at potential dust generating sources.
- 6) Regular surveillance on Silicosis shall be carried through regular occupational health checkup of 1/3 of the persons every year.
- 7) The Project Proponent shall install the adequate number of monitoring station to undertake air quality and water quality monitoring in the vicinity of 5 km of the mine and water bodies and the six monthly data should be submitted to the Ministry.
- 8) The Project Proponent shall organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skills of the local people.
- 9) As many activities have been proposed for the health of people, Project Proponent shall prepare a comprehensive health management plan which can benefit all the people in the region.
- 10) The Project Proponent should undertake the plantation with the survival of not less than 90% and casualties should be replaced with new saplings every year. Casualties replaced should be counted separately other than the total proposed saplings and the data for such saplings should be furnished during six monthly compliance report along with the progressive plantation.

1.5 Proposal for Terms of Reference (ToR) of Daroli Limestone Mine 2 with expansion in production capacity from 1.56 MTPA to 3.90 MTPA (Total Excavation 3.90 MTPA) with the mine lease area of 213.33 Ha (M.L. No. 64/79(old), (23/2001(Renewal) located at Village Manderiya, Bichiwara and Jaspura, Tehsil Vallabh Nagar, District Udaipur, State Rajasthan of M/s Udaipur Cement Works Limited [Proposal No. IA/RJ/MIN/189616/2020; File No. J11015/81/2020-IA-II(M)]- Terms of Reference

1. EAC Meeting Details:

EAC meeting	37 th EAC Meeting
Date of Meeting	15 th – 17 th September 2021

2. Project details:

Name of the Proposal	Daroli-2 Limestone Mine, ML No. 23/01, ML area 213.33 Ha.) for production capacity from 1.56 Million TPA (Limestone) to 3.90 Million TPA of Total Excavation (Limestone – 3.89 Million TPA + OB/SB/IB –0.01 Million TPA	
Location	Village	Manderia, Bichhiwara&Jaspura
	Tehsil/Taluka	Vallabhnagar
	District	Udaipur
	State / UT	Rajasthan
	Latitudes	24°34'22.12"to 24°34'52.89"N
	Longitudes	73°55'17.29"to 73°56'02.56"E
	Sol Topo sheet No.	45 H/14
Company's Name	Udaipur Cement Works Limited	
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur. NABET/EIA/2023/RA 0183 valid till 21.12.2023	
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	213.33 Ha

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/204635/2021
Online application date for Form-I	19.03.2021
Documents Submitted	Form 1, PFR, Lease Documents, undertaking for plantation, certified compliance report, approved mining plan.
Production capacity	3.89 Million TPA
Soil	-
Waste (Overburden)	0.01 Million TPA
Total Excavation	3.90 Million TPA
Crusher	Nil
Previous EC details	Environmental Clearance was granted under EIA Notification 2006 vide letter No. J-11015/453/2006- IA.II (M) on 05.01.2009 for limestone production capacity of 1.56 MTPA for captive use.

Earlier EAC meeting	26 th EAC meeting held during 11 th -13 th January, 2021 wherein the Committee noted that the mine has not been in operation for about 12 years. The mine started its operation in 2016 and the Environmental Clearance was earlier obtained in 2009. The current approval of production capacity available with the project proponent is 1.56 MTPA. It has also been noted that during last 3 years since the operation has started, PP could not achieve 0.5 MTPA of excavation. The Environmental compliance related to plantation and wildlife conservation plan was grossly inadequate. The Committee is of the view that PP should achieve the current capacity and also should comply all the EC conditions within 6 months and then apply afresh for expansion. This also allows them to test the EMP in place for full capacity excavation, which later on can be further upgraded when the expansion will be proposed. This also can give a shock load on the environment due to sudden jump from 1.56 MTPA to 3.90 MTPA. It is also advised to update the certified R.O compliance report accordingly. Therefore, the proposal was returned in the present form.
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5. Lease Details:

Granted Prospecting License	Area	213.33 ha
	Execution date	10.12.1982
	PL No.	ML No. 23/01
Prospecting operation, Commence date	10.12.1982	
Application for the Mining lease area and Date	19.06.1982.	
Validity of mine lease	09.12.2032	
Grant of ML & Area	Letter No.	P-5 (111) Khan/Group- 2/80
	Date	19.06.1982

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	584(4)(3)(1835)/2020 RCOM-AJM
	Date	23/10/2020

	Validity	2020-21 to 2022-2023
Mining Parameters	Quantitative Description	
Bench Height	8.0 m	
Bench Width	20-30 m	
Method of Mining	Fully-Mechanized Opencast Mining	
Individual bench slope	80 ⁰ from vertical	
Overall pit slope	52 ⁰	
Drilling/Blasting	Drilling- 2 No. (1+ 1 STANDBY)of drills to be provided @ drilling rate 8m/ hour Blasting Factors- Burden (m)-3.0, Spacing (m)-4.5 Volume (cu.m.)- 3 x 4.5 x 8 = 108 cu. m Tonnage Yield (t)- 108 x 2.73 = 294.84t	
RoM output size	700 mm	
Life of mine	209 Years	
Transportation details	By dumper, tipper	
Dumpers capacity	25/35 Tonne	

7. Land Area Breakup:

Private land	71.33 ha
Government land	Govt. Waste Land -142 ha
Total Mining lease area (MLA)	213.33
Private land for crusher, workshop & other infrastructure outside the MLA	Not Applicable

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

Particular	Distance(km)	Direction
Village		
Bichhiwara	Within lease area	--
Jaspura	0.27	S
Manderia	1.08	N
Majawar	1.4	E
Mandesar	3.72	NNW
Highway		
NH-27	4.73	N

SH-09	7.50	NW
Water Bodies		
BerachRiver	5.00	N
Vela Nala	5.23	NNW
KataraNadi	6.81	NNE
GadelaNadi	7.33	NNE
SukliNadi	7.99	SW
Udaisagar	8.77	W
KhemliTalav	12.58	NW

9. Water requirement

Total water requirement	212 KLD	Fresh water	12 KLD (Ground Water)
		Treated water	200 KLD (Mine Pit Water)
Source	Ground Water & Mine Pit Water		
Permission	NOC for ground water withdrawal has been obtained from CGWA vide letter no. 21-4(211) WR/CGWA/2007-626 dated 22/04/2016. Renewal of CGWA NOC processed for issuance of NOC date-02 nd September 2021.		

10. Presence of Environmentally Sensitive areas in the study area

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

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

11. Green belt/plantation details:

Proposed area for green belt/plantation	78.07 ha
Budget for green plant& plantation till the end of life of mine.	570.525Lakh
Budget for nursery	-

Particulars for Green belt/plantation	Area covered (in Ha)
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7.5 m barrier & non-mineralized zone	Plantation has already been done in 1.80 ha area out of the total peripheral area of 6.30 Ha and by Sept 30 th 2021 shall cover additional 2.0 Ha area and balance 2.5 ha will be completed by Dec'2022.
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12. Court case details:

Court Case	No
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13. Rehabilitation & Resettlement:

R & R details	Not Applicable
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14. Affidavit/Undertaking details:

Affidavit/Undertaking	Submitted
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15. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	IV/ENV/R/Mine-439/719/2009/SPL-65 to 66, Date- 24.06.2021
Certified past production	ME/UDAIPUR/ASHUNI/ML-2/88/476 -dated 11.8.2016 (1982-83 to 1998-99). ME/UDAIPUR/ASHUNI/ML-23/01/298 - dated 12.04.2018. (From -1999-2000 to 2017-18) ME/UDAI/STATIC//20-21/74, date-30.03.2021. ME/UDAI/STATIC//2021/25, date-18.08.2021.

16. ADS reply:

S.No.	ADS dated 31.03.2021 and 31.05.2021	ADS Reply dated 25.08.2021
1	PP need to submit the latest certified compliance report	Certified compliance of Environment Clearance conditions obtained from Regional Office of MoEF&CC, Lucknow vide no. IV/ENV/R/Min-439/719/2009/SPL-65to 66, date-24.06.2021. The clarification on certified EC Compliance has been submitted to MoEF&CC Regional office, Jaipur, date-07.08.2021. Same is submitted as an

		annexure with the ADS reply.
2	PP need to achieve the current capacity	<ul style="list-style-type: none"> ● The proposed expansion of the captive mine is targeted to fulfil the need limestone demand required to meet the increased production of the cement plant. ● The present limestone production from Daroli-1 and Daroli-2 is 1.34 Million TPA and 0.18 Million TPA against the approved EC capacity of 1.64 Million TPA and 1.56Million TPA, respectively. ● Thus, the limestone required for clinker production (EC granted 19.01.2021) is -8.0 Million TPA which will be met from Daroli-1 (4. 10 Million TPA) and Daroli-2 (3.90 Million TPA). ● The authenticated past production details have been submitted as an annexure with the ADS reply.
3	PP should comply all the EC condition and apply fresh for Expansion	<p>As per existing land use, the plantation should be done on 4.29 ha area which is 33% of put in use area (13 ha). Against this about 2.0 Ha has been done with plantation of 3000 nos. Lease area was in possession of Govt. of Rajasthan till Sept-2015 and mine began its operation in 2016 and gradually the progressive plantation is being done. The gap as per analysis shall be completed by March 2022with 5725 no of plants in 2.29 ha area. The density of plantation will be increased from 1500/ha to 2500/ha.</p> <p>An undertaking for Plantation is submitted as an annexure with the ADS reply.</p> <p>The Wild life conservation plan will be prepared in compliance with standard ToR condition item no. 17/18 and shall be submitted along with EIA/EMP report for environmental appraisal.</p>

17. Details of the EMP

PARTICULAR	Annual expenditure (20-21) Rs. in Lac
Environmental monitoring & Pollution control measures	1.5
Dust suppression on haul road	1.0
Green Belt development -3.0 Ha. with 4,500 (23% of the broken up area)	2.0
Rain water harvesting- (Check dam 8000 cu.m)	0.2
Total	4.7 Lacs

18. Details of project cost and employment:

Particulars	Details
Capital Cost for Environment Protection	1.1515 Crore
Total Cost for EMP	1.1515 Crore
Recurring Cost for EMP	0.1145 Crore
Project Cost	2.10 Crores
Employment	86 Persons

19. Observation and Recommendation of EAC: During the 37th EAC (Non Coal Mining) meeting held during 15th – 17th September, 2021, the Committee observed that the proposal was earlier considered in 26th EAC meeting held during 11-13th January, 2021. After detailed deliberations, the Committee **recommended** the proposal for Terms of Reference (ToR) of Daroli Limestone Mine 2 with expansion in production capacity from 1.56 MTPA to 3.90 MTPA (Total Excavation 3.90 MTPA) with the mine lease area of 213.33 Ha (M.L. No. 64/79(old), (23/2001(Renewal) located at Village Manderiya, Bichiwara and Jaspura, Tehsil Vallabh Nagar, District Udaipur, State Rajasthan of M/s Udaipur Cement Works Limited along with the following specific conditions:

- 1) The efficacy of all the equipments in place for control of pollution at the site including area source, line source and point source, at the crusher, loading point and at the excavation point should be tested at a monthly production of 1,30,000 tonnes per month, for a period of three months will be monitored for this capacity for generating baseline data at the site. This baseline data at the site will be used to calibrate and validate the model for computing impacts of both the mines (Daroli-1 and Daroli-2) together for existing and proposed expansion.
- 2) The project proponent needs to submit the DMG certified production details that the mine was operation with 1,30,000 tonnes per month capacity.

- 3) Actual operation of crusher must be monitored for efficacy, efficiency and the baseline data.
- 4) Project proponent shall complete all peripheral area plantation should be complied as per earlier EC granted.

1.6 Proposal for Terms of Reference (ToR) for expansion of Daroli Limestone Mine-1 from 1.64 MTPA to total Excavation 4.53 MTPA and increase in crusher capacity from 700 TPH to 2770 TPH by installing additional crusher (2070 TPH) within the mine lease area 703.3051 ha (M.L No. 186/08 (Renewal & 02/88 (Old)) located at Villages- Daroli, Manderia, Bichhiwara, Mandesar&MandesarKaGuda, Tehsil -Vallabh Nagar, District Udaipur, Rajasthan by Udaipur Cement Works Limited. [File No. J-11015/33/2021-IA-II(M); Proposal No. IA/RJ/MIN/204654/2021] - ToR

1. EAC Meeting Details:

EAC meeting	37 th EAC meeting
Date of Meeting	15 th – 17 th September, 2021

2. Project details:

Name of the Proposal	Daroli-1 Limestone Mine, ML No. 186/08, ML area 703.3051 Ha. for production capacity from 1.64 Million TPA (Limestone) to 4.53 Million TPA of Total Excavation (Limestone – 4.10 Million TPA + Over Burden – 0.43 Million TPA and Expansion of Crusher Capacity from 700TPH to 2770 TPH By Installing Additional Crusher (2070 TPH) & Expansion in Overland Belt Conveyer (OLBC) capacity from 1100 TPH 2770 TPH and increase in OLBC length from existing crusher location to proposed crusher location from 6.5 km to 11.5 km (Existing OLBC Length is 6.5 km which is exists from Existing Crusher to Cement plant and only 5.0 Km additional Length will increase from Existing to proposed crusher within lease area)	
Location	Village	Daroli, Manderia, Bichhiwara, Mandesar&MandesarKaGuda
	Tehsil/Taluka	Vallabh Nagar
	District	Udaipur

	State / UT	Rajasthan
	Latitudes	24°34'22.38"to 24°37'25.73"N
	Longitudes	73°55'08.50"to 73°56'32.05"E.
	SoI Topo sheet No.	45 H/14
Company's Name	Udaipur Cement Works Limited	
Accredited Consultant and certificate no.	Enkay Enviro Services Pvt. Ltd., Jaipur. NABET/EIA/2023/RA 0183 valid till 21.12.2023	
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	703.3051ha

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/204654/2021
Online application date for Form-I	19.03.2021
Documents Submitted	Form-1, PFR, Lease Document, Past Production details (Annexure III), EC Compliance report
Earlier EAC meetings	26 th EAC meeting held during 11 th -13 th January, 2021 wherein the committee was of the view that PP should achieve the current EC capacity and then apply afresh for expansion with reply of above said shortcomings. Efficacy of EMP in place and give an undertaking stating that PP will comply all the EC conditions within 6 months. Based on the current status, PP needs to obtain NOC from Airport Authority of India. Certified R.O. compliance report needs to be updated accordingly. Therefore, the proposal was returned in the present form.
Production capacity	4.10 Million TPA
Soil	-
Waste	0.43 Million TPA
Total Excavation	4.53 Million TPA
Crusher	Expansion of Crusher Capacity from 700TPH to 2770 TPH By Installing Additional Crusher (2070 TPH) & Expansion in Overland Belt Conveyer (OLBC) capacity from 1100 TPH 2770 TPH and increase in OLBC length from existing crusher location to proposed crusher location from 6.5 km to

	11.5 km (Existing OLBC Length is 6.5 km which is exists from Existing Crusher to Cement plant and only 5.0 Km additional Length will increase from Existing to proposed crusher within lease area).
Previous EC	<ul style="list-style-type: none"> • Previous Environment Clearance was obtained from MoEF&CC, New Delhi vide letter no. J-11015/460/2006-IA. II (M) dated 02.01.2009 for Production Capacity for 1.64 Million TPA of Limestone in an area of 704.944 Ha. • Amended EC dated 06.09.2018 for reduction in mine lease area from 704.944 ha to 703.3051 ha.

5. Lease Details:

Granted Prospecting Licence	Area	703.3051 ha
	Execution date	16.04.1969
	PL No.	ML No. 186/08
Prospecting operation, Commence date	16.04.1969	
Application for the Mining lease area and Date	30.01.1968	
Validity of mine lease	31.03.2030	
Grant of ML & Area	Letter No.	P-24 (58) Khan/68,
	Date	30.01.1968

6. Mining plan details:

Mining Plan(approved by Indian Bureau of Mines/DMG)	Letter No.	584(4)(3)(1834)/2020 RCOM-AJM
	Date	23/10/2020
	Validity	2020-21 to 2023-2024
Mining Parameters	Quantitative Description	
Bench Height	8.0 m	
Bench Width	20-30 m	
Method of Mining	Fully-Mechanized Opencast Mining	
Individual bench slope	800 from vertical	
Overall pit slope	520	
Drilling/Blasting	Drilling- 2 No. (1+ 1 STANDBY) of drills to be provided @ drilling rate 8m/ hour <u>Blasting Factors:</u> Burden (m)-3.0, Spacing (m)-4.5	

	Volume (cu.m.)- 3 x 4.5 x 8.0 = 108 cu.m Tonnage Yield (t)- 108 x 2.73 = 294.84 Tons
RoM output size	700 mm
Life of mine	34Years
Transportation details	By dumper, tipper/OLBC
Dumper's capacity	25/35 Tonne

7. Land Area Breakup:

Private land	267.4470 ha
Government land	Govt. Waste Land -253.4637 ha & Grazing Land (182.3944 ha)
Total Mining lease area	703.3051 Ha

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

Particular	Distance	Direction
	From Lease Boundary/Proposed Working Pit	
Village/Town		
MandesarKaGudha	0.30	S
Nearest Town- Dabok	5.19	W
Nearest City- Udaipur	16.65	W
Nearest District Headquarter – Udaipur	22.60	W
Highway		
NH – 27	Lease area interception is 250 Mtrs diagonally	N
SH – 09	5.12	WNW
Railway Station		
Debari	11.40	W
Water Bodies		
Berach River	0.19	N
Vela Nala	1.08	NW
GadelaNadi	2.48	NE
KataraNadi	2.53	NE
Udaisagar	8.78	W
KhemliTalav	8.92	NW
SukliNadi	9.92	SSW

9. Water requirement:

Total water requirement	325 KLD	Fresh water	35 KLD (Ground Water)
		Treated water	290 KLD (Mine Pit Water)
Source	Ground Water & Mine Pit Water		
Permission	NOC for ground water withdrawal has been obtained from CGWA vide letter no. 21-4(211) WR/CGWA/2007-626 dated 22/04/2016. Renewal of CGWA NoC processed for issuance of NOC date- 2 nd September 2021.		

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

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

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

11. Green belt/plantation details:

Proposed area for green belt/plantation	142.32 ha
Budget for green plant& plantation till the end of life of mine.	1042.80 Lakh

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Plantation has already been done in 4.20 ha area out of the total peripheral area of 12.489 Ha and by Sept 30th 2021, PP shall cover additional 4.0 Ha area and balance will be completed by Dec 2022

12. Court case details:

Court Case	A case against the unit at ACJM Court Mavli, District- Udaipur (Raj.) is pending under the provision of section 15 read with Section 19 of the Environment (Protection) Act, 1986. Case No. 107/2017.
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13. Rehabilitation & Resettlement:

R & R details	NA
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14. Affidavit/Undertaking details:

Affidavit/Undertaking	Submitted
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15. Previous EC compliance and production details:

Particulars	Letter no. and date
Certified EC compliance report	IV/ENV/R/Mine-437/717/2009/SPL-63 to 64, Date- 24.06.2021
Certified past production	ME/UDI/ASN/M.L No.2/88/477 - dated 11.8.2016 (From 1976- 77-1998-99) ME/UDI/2018-19/196 - dated 11.02.2019. (From 1999-2000 to 2017-18) ME/UDAI/STATICAL/2020-21/73, date- 31.03.2021. ME/UDAI/STATICAL/2021/24, date- 18.08.2021.

16. ADS reply

S.No.	ADS dated 31.03.2021 and 31.05.2021	ADS Reply dated 25.08.2021
1	PP needs to achieve the current capacity	<ul style="list-style-type: none"> The proposed expansion of the captive mine is targeted to fulfil the need limestone demand required to meet the increased production of the cement plant. The limestone demand is likely to increase from existing 1.34 Million TPA(against 1.64Million TPA) to 4.10 Million TPA to achieve the targeted increase in production of cement from 2.85 Million TPA (2.0 Million TPA of clinker)to 7.0 Million TPA(5.0 Million TPA of clinker). The present limestone production from

		<p>Daroli-1 and Daroli-2 is 1.34 Million TPA and 0.18 Million TPA against the approved EC capacity of 1.64 Million TPA and 1.56 Million TPA</p> <ul style="list-style-type: none"> • Thus, the limestone required for clinker production (EC granted 19.01.2021) is -8.0 Million TPA which will be met from Daroli-1, 4.10 Million TPA and Daroli-2-3.90 Million TPA • The authenticated past production details have been submitted as an annexure with the ADS reply.
2	Based on the current status, PP needs to obtain NOC from Airport Authority of India	NOC from Airport Authority of India (AAI) has been obtained vide letter no. AA/RAQ/RLR/ATM/NOC/2021/195/819-821, dated 01.07.2021. The Copy of the same is submitted.
3	PP needs to submit the latest certified compliance report	Certified compliance of Environment Clearance conditions obtained from Regional Office of MoEF&CC, Lucknow vide no. IV/ENV/R/Mine-437/717/2009/SPL-63 to 64, date-24.06.2021. The clarification on certified EC Compliance has been submitted to MoEF&CC Regional office, Jaipur, date-07.08.2021. The Copy of the same is submitted.
4	Please annex all the documents as per PFR	The Annexure as per PFR has already been submitted with online ToR Application and we hereby again submitting all the annexure as per PFR .

17. Details of the EMP

Particular	Annual expenditure (20-21)
Environmental monitoring & Pollution control measures at Crushing plant, permanent water sprinkling system, Mist spraying at unloading hopper	10.0
Dust suppression by tanker mounted water sprinkling system on haulage.	3.2

Green Belt development - 19.423 Ha. with 30,057 (30% of the broken up area)	9.84
Rain water harvesting 3 recharge structures with one piezometer Pond -1 no with volume of 30,000cu.m Bund created to capture surface runoff.- 7 nos	0.02
Construction of retaining wall (142x0.6x3)m and garland drain(180x1.5x0.5)	1.0
Total	24.06 Lacs

18. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	1.8393
Total Cost for EMP	1.8393
Recurring Cost for EMP	0.2385
Project Cost	Existing Cost: 95.95 Crore. Proposed Cost: 175.635 Crores Total Cost after Expansion: 271.585 Crores
Employment	169 persons

19. Observation and Recommendation of EAC: During the 37th EAC (Non Coal Mining) meeting held during 15th – 17th September, 2021, the Committee observed that the proposal was earlier considered in 26th EAC meeting held during 11-13th January, 2021. After detailed deliberations, the Committee **recommended** the proposal for Terms of Reference (ToR) for expansion of Daroli Limestone Mine-1 from 1.64 MTPA to total Excavation 4.53 MTPA and increase in crusher capacity from 700 TPH to 2770 TPH by installing additional crusher (2070 TPH) within the mine lease area 703.3051 ha (M.L No. 186/08 (Renewal & 02/88 (Old)) located at Villages- Daroli, Manderia, Bichhiwara, Mandesar&MandesarKaGuda, Tehsil -Vallabhnagar, District Udaipur, Rajasthan by Udaipur Cement Works Limited along with the following specific conditions:

- 1) The efficacy of all the equipments in place for control of pollution at the site including area source, line source and point source, at the crusher, loading point and at the excavation point should be tested at monthly production of 1,37,000 tonnes per month, for a period of three months will be monitored for this capacity for generating baseline data at the site. This baseline data at the site will be used to calibrating and validating the model for computing impacts of both the mines (Daroli-1 and Daroli-2) together for existing and proposed expansion.
- 2) The project proponent needs to submit the DMG certified production details that the mine was in operation with 1,37,000 tonnes per month capacity.

- 3) Actual operation of crusher must be monitored for efficacy, efficiency and the baseline data.
- 4) According to the certified compliance report, one third of the peripheral plantation has been done i.e. 4.2 Ha in Daroli 1. The project proponent submitted that by December, 2021, they will complete all peripheral area that should be complied before the appraisal of EC.
- 5) The project proponent needs to submit the DMG certified past production details.

1.7 Proposal under the provision of Notification dated 06.04.2018 for Terms of Reference for Fire Clay, Red & Yellow Ochre Mining Project (M.L. No. 16/04; Area: 118.99 Ha) located in Village: Chandi, Tehsil: Kolayat, District: Bikaner (Rajasthan) with production capacity of 75000 TPA of mineral Fire Clay, Red & Yellow Ochre by M/s Sampat Lal Danga – [File No. J-11015/165/2018-IA.II(M); Proposal No. IA/RJ/MIN/81158/2018] – ToR

1. EAC Meeting Details:

EAC meeting	37 th EAC Meeting
Date of Meeting	15 th – 17 th September 2021

2. Project details:

Name of the Proposal	Fire Clay, Red & Yellow Ochre Mining Project (M.L. No. 16/04; Area: 118.99 Ha) with production capacity of 75000 TPA under the provision of Notification dated 06.04.2018 for Terms of Reference	
Location	Village	Chandi
	Tehsil/Taluka	Kolayat
	District	Bikaner
	State / UT	Rajasthan
	Latitudes	27° 55' 13.87" to 27° 56' 7.10" N
	Longitudes	73° 00' 0.59" to 72° 59' 46.94" E
	SolTopo sheet No.	45E/01
Company's Name	M/s Sampat Lal Daga	
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	III	

3. Category details:

Category of the project	Category A under Schedule 1(a) – Mining of Minerals activity
Provisions	As per MoEF&CC Notification, S.O 1530 (E) dated 6 th April 2018 under EIA Notification, 2006
Mining lease Area	118.99 Ha

4. ToR/EC Details:

ToR Proposal No.	IA/RJ/MIN/81158/2018
Online application date for Form-1	03.10.2018
Documents Submitted	Form 1, PFR, Leases Documents, copy of previous EC, Approved Mining scheme with Plates, Aravalli Certificate, revised cluster certificate & map, CTO (2006,2010,2012 & 2015),CTE (2006), DSR, Prior Production data duly authenticated by DMG since 1993-1994to 2020-2021.
Earlier EAC meeting	38 th EAC Meeting held on 16 th Nov 2018 for the grant of ToR wherein PP did not attend the meeting.
EC Letter No.	J-11015/257/2005-IA. II(M)
EC grant Date	12 th September 2006
Production capacity	75000 TPA of mineral Fire Clay, Red & Yellow Ochre
Waste	3,67,819.16 MT (OB & Reject during Plan Period) Waste generation end of life of mine will be provided at the time of appraisal of the project.
Total Excavation	3,72,935 TPA
Previous EC details	Environment Clearance was granted by MoEF vide no. J- 11015/257/2005-IA. II(M) on 12 th Sept 2006 for mineral Fire Clay, Red & Yellow Ochre in favor of M/s Sampat Lal Daga under the EIA Notification 1994.

5. Lease Details:

Granted Mine lease	Area	849.9 ha
	In favor of	Sh. Sampat Lal Daga
	Minerals	Fire Clay, Red & Yellow Ochre
	Order no.	4 (50) Khan/Group-2/73
	Date	24.04.1973 for 20 years
Surrendered land	Later 326.69 hectare of the lease area was partly surrendered and remaining area left was 523.21 Ha vide final amendment order no. 4 (326) Khan/Group-2/82 dated 26/03/1985 and the agreement was executed on dated 04/07/1985 and registered on dated 24/08/1985.	

	Later on, 404.22 hectare of the mine lease area was surrendered and remaining area left was 118.99 Ha vide Govt. order no. P-4 (326) Khan/Group-2/82 dated 19/05/1988.
Mutation of mine lease	The lease was mutated in favour of M/s Sampat Lal Daga (Partners: Vijay Chand Daga, Rajkumar Daga, Amit Kumar Daga & Sumit Kumar Daga) vide order no.-DMG/khan/Jodh/CC/Major/Bika/ML-4/72/2749-54 on dated 02/09/2004, executed on 18/11/2004 due to sudden demise of Sh. Sampat Lal Daga on dated 06/12/2003
Validity of mine lease	As per section 8A (6) of MMDR amendment ordinance 2015 dated 12/01/2015, the lease validity has been extended up to 23/08/2035. Rider Agreement was executed on dated 08/01/2016.
Change in partnership	Due to sudden demise of Vijay Chand Daga on dated 03/01/2021, Shri Mohit Daga & Shri Rohit Daga entered into the Partnership firm as new partners and deed for the same was registered on dated 12/01/2021.

6. Observation and Recommendation of EAC: During the 37th EAC (Non Coal Mining) meeting held during 15th – 17th September, 2021, the Committee observed that earlier Environmental Clearance was granted vide letter no. J-11015/257/2005-IA. II(M) on 12th Sept 2006 and the project proponent did not submit the certified compliance report. The EAC also noted dumping outside mining lease area through KML file. The project proponent also mentioned orally during the presentation that dumping is being done by the project proponent outside their mine lease boundary. Also, the project proponent did not submit the certified past production details (Annexure III), approved mining plan, breakup of project cost and details of total excavation, mineral, OB, waste separately. In view of the above, the Committee **deferred** the proposal due to want of following information:

- 1) The project proponent needs to submit the latest certified compliance report from IRO.
- 2) The project proponent needs to submit a letter of no mining activity including dump is outside the mine lease area duly authenticated by the authorities.
- 3) The project proponent needs to submit the breakup of total project cost.
- 4) The project proponent needs to submit the certified past production details in the format of Annexure III.

Minutes for 37th EAC Meeting (Non-Coal Mining) held during 15th – 17th September, 2021.

- 5) The project proponent needs to submit the approved mining plan.
- 6) The project proponent needs to submit the clarification regarding distance of Gajner Wildlife Sanctuary from mine lease boundary duly authenticated by Chief Wildlife Warden.

DAY 2 - 16.09.2021 (Thursday)

2.1 Proposal for Environmental Clearance of M/s Jaykaycem (Central) Limited for Koni–Simariya Limestone mine with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 ha located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil Simariya, District Panna, Madhya Pradesh – [File No: J-11015/80/2020/IA.II(M), Proposal No: IA/MP/MIN/220904/2020, Consultant: Enkay Enviro Services Pvt. Ltd] – Environmental Clearance (EC).

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of M/s Jaykaycem (Central) Limited is for grant of Environmental Clearance for Koni–Simariya Limestone mine with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23ha, located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil Simariya, District Panna, Madhya Pradesh. The mine lease area is located between Latitude 24°16'11.6"N to 24°20'28.23"N and Longitude 79°50'14.88"E to 79°57'11.25"E. The mine lease area falls under the Survey of India Toposheet No 54P/11, 54P/12, 54P/15, 54P/16, 63D/3 & 63D/4 and falls in Seismic zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

2. Project Proponent (PP) has made an online application vide proposal no: IA/MP/MIN/220904/2020 dated 20.07.2021 and submitted Form2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals 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 Terms of References (TOR) are furnished as below:

Date of application	Proposal No	Consideration	Details	Date of accord
24.12.2020	IA/MP/MIN/189768/2020	11 th -13 th Jan, 2021 & 24 th - 26 th Feb, 2021	Total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with crusher capacity of 1800 TPH in the mine lease area of 3095.23 Ha.	23.03.2021

4. The proposal for Environmental Clearance was considered in the 35th EAC meeting held during 16th to 19th August, 2021 wherein the Committee noted that the Project Proponent failed to quantify the impact due to mining operation and also the R&R plan submitted and abstract presented during the meeting was not satisfactory, therefore the Committee deferred the proposal for want of requisite information. PP submitted the information on 30.08.2021, accordingly the proposal was reconsidered in the 37th EAC meeting held on 15th-17th September, 2021 wherein PP submitted the following:-

Point (i): The Project Proponent needs to submit the data calculation for the anticipated noise generation at the source for excavation, crushing and the impact of the noise and ground vibration at the direction of the school with and without EMP. The EMP should be prepared in such a way that the entire noise and ground vibration should not reach to the school and other infrastructure. The impact of entire noise and ground vibration of the crusher should be confined within the 100m around crusher as shown in the presentation.

Reply: PP submitted that the predicted noise levels based on the analysis in the nearby villages including sensitive areas like schools, hospitals, etc., considering that there is no attenuation on account of barriers or green belt/plantation as follows:

Location	Distance (Km)	Existing Leq (Day)	Predicted (Max.) Without EMP	Predicted (Max.) With EMP*	Resultant (Max.)		Standards
					Without EMP	With EMP	
Boda(Mine Site)	0.50	46.4	59.5	49.5	59.7	51.2	75
Nishi Saraswati Bal Vidhya Mandir, Boda	0.54	46.4	58.9	48.9	62.0	50.8	55
Devra	3.60	48.1	53.7	43.7	54.7	49.4	55
Sunwani Kalan	3.30	48	45.3	35.3	49.9	48.2	55
Simariya	1.45	50.4	50.5	40.5	53.5	50.8	55

Kanya High School, Simariya	1.15	50.4	52.8	42.8	54.8	51.1	55
Maharaganj (Mine Site)	0.70	43.9	56.6	46.6	56.8	48.5	75
Govt. School, Maharajganj	0.65	43.9	56.6	46.6	56.8	48.5	55
Tighara	3.00	47.1	47	37	50.1	47.5	55
Kolkarhaiya	1.75	45.5	48.7	38.7	50.4	46.3	55
GarhiKarhiya	1.68	42.6	49.0	39.0	49.9	44.2	55
Khamargaur	3.15	46.4	43.6	33.6	48.2	44.0	55
Pagra (Near P.F.)	1.15	40.7	52.3	42.3	52.6	44.6	55
Govt. School, Pagra	2.24	40.7	46.5	36.5	47.5	42.1	55

PP submitted that as per the studies, it is proven that with 100 feet (30m) plantation of 3 tier system including shrubs, short and tall trees, there will be a reduction of 6-10 dB. Simultaneously with increase in the green belt with another 30m and so on the reduction of 20 dB shall be achieved. From the above, it is clearly seen that there will be no significant impact on the surrounding community due to noise from the proposed activities. Further due to natural attenuation effects, by proper green belt development, design/maintenance of machines, provision of PPE's to workers especially in the vulnerable areas, etc., the impact on noise levels will be minimal.

PP also submitted that the ground vibration at the nearest habitations/structures from ultimate pit limit considering 50 years of working plan were predicted using mathematical model following the standards of Central Mining Research Institute (CMRI), Indian Standard and United States Bureau of Mines (USBM) for maximum charge per delay as per approved mining plan. The details of predictions are as follows:

Location	Year of Working	Distance (km)	Predicted PPV Levels, mm/s			DGMS Standards, mm/s
			CMRI*	Indian Standard#	USBM+	
			Recommended MPCD of 29.4 kg			
Boda	5th Year	1.6	Not felt	0.42	Not felt	10
Boda	10th Year	1.4	Not felt	0.46	0.1	10
Maharajganj	15th Year	1.43	Not felt	0.46	0.1	10
Koni	20th Year	1.0	Not felt	0.57	0.2	10
Govt. School, Koni	20th Year	0.6	<0.1	0.73	0.3	10
Boda/ Boda School	25th Year	0.69	<0.1	0.73	0.3	10

Maharajganj	30 th to 35 th Year	0.10	6.44	2.54	4.95	10
Maharajganj	40 th to 45 th Year	0.40	0.74	1.04	0.63	10
Maharajganj	40 th to 45 th Year	0.50	0.24	0.77	0.45	10
Maharajganj / Govt. School	50 th Year	0.70	<0.1	0.72	0.3	10
Tapariya	50 th Year	0.70	<0.1	0.72	0.3	10
Govt. School, Ganyari	45 th Year	0.43	0.74	1.04	0.63	10

PP submitted that from the above table the predicted values of PPV are well within the DGMS standards of 10 mm/s for the given blasting parameters. However, it is proposed that as a part of progressive mine development plan, ground vibration studies should be taken up on annual basis or for each plan period to ascertain the safe PPV levels for corresponding maximum charge per delay with respective scaled distances from the blast site. PP also submitted that advanced technology/measures will be adopted to ensure the no vibration and noise level within prescribed norms for crusher to a distance of 100m.

Point (ii): The Project Proponent should place and submit the details of blast monitoring locations all along the village boundary and school with the distance. PP should also submit the safety measures to be taken for protection of schools nearby and fix the transportation and blasting timings other than the regular in/out timings of the school.

Reply: PP submitted that monitoring of ground vibration and noise level for each and every blast shall be carried out at village boundary and near school. Monitoring results with distance of monitoring station from the blasting location will be maintained and submitted at regular intervals to the MoEF&CC and DGMS. No blasting in 300m from school and habitation. Controlled blasting technology shall be adopted which includes use of NONEL, programmable detonators, air-decking, muffled blasting etc. Blasting will be done during day time between 1 to 3 pm and transportation activity will be during 6am to 10pm. PP also commits that there will be no blasting and transportation activity during 30 minutes prior to in/out timings of the school.

Point (iii): The Project Proponent needs to submit the revised R&R plan covering all the components viz. number of Project Affected Families (PAF) and details of the land owned by them, break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP need to submit the plan for Socio economic development of the

neighbourhood habitats based on the need based survey along with the time bound action plan.

Reply: PP submitted that Land purchase will be done in phases as per mine operation plan in accordance to the conceptual mine plan. As per the detailed report prepared, the total land required for the lease period (50 years) is 1688.644ha. There are no habitations that need to be resettled or shifted. 5 no. of villages are affected and the Project Affected families are 4713 nos. The land acquisition cost calculated based on the best (maximum) of LARR Act, 2013 and Madhya Pradesh State Policy. An amount of Rs. 442.57 Crores will be allocated towards proposed R&R Plan for land acquisition and R&R benefits.

Point (iv): The Project Proponent presented that they will acquire land as and when required. The Committee noted that since the acquisition is progressive, PP needs to submit the detailed note on progressive closure and progressive return of the land for use of agriculture or creation of water body or for plantation for the entire life of mine. PP should also explore the possibility of developing grazing land for cattle's and creation of water bodies progressively for sports facility in the region.

Reply: PP submitted that 308ha will be purchased in first phase for installation of crusher and other infrastructures, road network, haul roads, dumps and lands for development of dense greenbelt around village, Nallah, roads, crusher, working pit and safety zone along ML boundary covering 15 yrs of mine working. Out of mining lease area of 3095.23ha total 1946.23ha area shall be used for mining. Backfilling is proposed in the mined out area of 1278.23ha (65.68%) and balance 668ha (34.32%) shall be converted into water reservoirs. Backfilling is proposed from the 2nd five-year plan period which will start after exhaustion of limestone deposit from the working pit of 1st five-year plan period in village Koni and continue up to 4th five-year plan. After completing backfilling area of 57.65ha, restoration of the area for plantation shall be taken up and completed within 1 year. Simultaneously, backfilling of the disturbed area of 76.13ha due to mining in 2nd five-year plan period shall be taken up and will be continued in progressive manner. Development of water reservoir will be proposed in the worked out pit of 3rd, 4th, 6th to 8th and 10th to 12th five year plan period with the area of 668ha. Water reservoirs shall be opened for community use after complete exhaustion of the mineral deposit from proposed area for drinking, agricultural usage for irrigation, other household requirements and for usage in mines at estimated rate of 150 KLD for water sprinkling, dust suppression, drinking and domestic purpose. Depth of water reservoir will be maintained at 25m and estimated volume is 167,000,000 m³. Minimum distance from proposed water reservoir and river on North side is about 1000m. Safety shall be ensured at the reservoirs by providing berms of 1.5 m height

and width of 5m at bottom 1.5m at top, at the distance of 15 m from pit edge. Barbed wire fencing of 1.5m shall be installed all along the boundary of the reservoir with gated single entry and exit in the area. Possibilities for promoting pisciculture and development of sports facilities shall be explored in consultation with the concerned Govt. authorities.

Point (v): The Committee noted that during first five year plan period, the area of total excavation will be 57.6507 ha. Hence, the Project Proponent needs to submit a note on the closure plan for the working pit before switching to other mining area for next 5 years in a phased manner.

Reply: PP submitted that backfilling proposed in the worked out pit of 1st five-year plan period over an area of 57.6507 ha shall be completed in progressive manner in 3rd five-year mine plan. Plantation will be developed on the entire backfilled area during first five-year plan with 78425 nos. of saplings @ 2500 nos. of plant per ha. It also covers entire statutory 7.5m wide ML boundary, safety zone of Nalla, Road, River and Habitations. The total area covered under greenbelt/plantation will be 31.37ha.

Point (vi): The Committee noted that the total soil and alluvium generation is 2.94 MTPA. Hence, the Project Proponent needs to submit the quantity of topsoil up to 25cm and alluvium up to the depth of 5.8m with its utilization and management practices.

Reply: PP submitted that Top Soil of 0.25m thickness shall be removed separately from the virgin area planned for mine development and other activities/infrastructures. It shall be preserved at dedicated dumps over non mineralized area and shall be used for top layering of backfilled areas, embankments and for safety zone plantation. Retaining wall, peripheral garland drain and de-siltation pond shall be built for environment protection. Total top soil generation is estimated at 1.44 Lac m³ at 1st five-year plan period and 4.86 Million m³ at the end of mine life.

PP also submitted that three types of dumps are proposed to be maintained separately for top soil over an area of 4.0ha shall be maintained on Northern side of mine working at a distance of about 300m, OB soil/alluvium over an area of 18.50ha shall be maintained on North Western side of mine working at a distance of about 600m and OB/shale/waste rock over an area of 11.50ha shall be maintained on North Western side of mine working at the distance of about 500m. Top soil shall be simultaneously used for development of peripheral green belt and plantation in safety zones. OB soil/ OB /Shale/Waste rock dumps shall be put to use in 3rd/4th five-year plan period for backfilling of mined out area of 1st five year working and simultaneously used for development of embankments along river safety zone and nallahs, roads etc... Garland drain shall be developed all along the periphery of dump area and Retaining walls shall

be constructed around the dumps to avoid slope failures and for strengthening of dumps. De-siltation pits/settling tank shall be developed at the corner of dump for environment protection and conservation.

Point (vii): The Committee noted that though the PP mentioned that area around the crusher will be moistured, PP needs to provide the details of (-)6mm rejects before handling and backfilling at the source.

Reply: PP submitted that total (-) 6mm rejects will be 85 TPD in the form of silt. For control of dust emission at the screen discharge chute, bag filter and telescopic chute will be provided. Moreover, material will be made sufficient moist (8-10%) by spraying water through dry fog system to avoid dust generation during the handling and transportation to dump and for backfilling.

Point (viii): The Project Proponent should submit the detailed time bound budgetary plan for plantation 31.37ha proposed to be covered during the first five year plan period separately and rest of the mine life also.

Reply: PP submitted that during first five-year plan total area proposed for plantation/greenbelt will be 31.37ha. Out of 31.37ha, 1.87ha will be covered under Safety Zone along Nallahs, River Habitations and roads, 29.00ha within 7.5m Safety Zone along ML boundary and 0.50ha will be developed around crusher. Total no. of plants proposed to be planted will be 78,425 no.s. PP also submitted that 0.0885ha of pre disturbed area will be considered in 1st year as it is a disturbed area within the ML before inception of mining lease. PP earmarked budget of Rs 156.9 Lacs towards cost of plants @ Rs.200 per plant and Rs 7.46 Lacs towards care & maintenance cost @ Rs. 12 per plant during 1st five-year plan period.

PP also submitted that during the rest of life of mine total area of 616.63ha will be developed under plantation/greenbelt. Out of 616.63ha, 568.60ha will be developed over backfilled area and 48.03ha under Safety Zone along Nallahs, River Habitations, Roads. Total no. of plants proposed to be planted will be 15,41,575 no.s. PP earmarked budget of Rs 3083.15 Lacs towards cost of plants @ Rs.200 per plant and Rs 184.99 Lacs towards care & maintenance cost @ Rs. 12 per plant during the rest of life of mine.

Point (ix): The Project Proponent needs to submit the protection measures to be taken for the voids created from the view point of safety of the villagers as well as commitment that the no road network shall be disturbed during the operating period of mine.

Reply: PP submitted that no road network shall be disturbed during the operating period of mine. PP submitted an undertaking vide letter dated 30.08.2021 in this regard. Village roads and other connecting roads are not part of the mining lease and restricted

for mining activities within 50m from tar roads and within 10m from kuchha road connecting to the villages. PP also submitted that digital technologies such as WiFi enabled cameras will be installed to monitor and control any unauthorized entry in mining area. Safety shall be ensured at the voids active during the mining period and reservoirs created during conceptual period by providing berms of 2.0 m height and width of 5m at bottom 1.5m at top, at the distance of 15 m from pit edge. Barbed wire fencing of 1.5m shall be installed all along the boundary of the reservoir with gated single entry and exit in the area. Solar powered flash lights shall be installed at identified locations for warning at night hours.

Point (x): As the mining lease is surrounded by three rivers (Ken River - 0.06km, E, Bearma River - 0.10km, W and Sonar Nadi – 0.22km, NNW), the Project Proponent needs to submit the impact of operation of mine envisaged in the surface water body. PP should also give commitment that the course of surface water body will not change during the operating period of mine.

Reply: PP submitted the nearest workings (from UPL) w.r.t. water bodies as mentioned below.

S. No.	Year of working	River	Distance and Direction
1	20 year working	Sonar	1.04 Km, WNW
2	25 year working	Ken	1.30 Km, ENE
3	50 year working	Berma	3.90 Km, W

PP also submitted that there will be no change in the natural drainage pattern of the core and buffer zone due to mining. Safety barriers of 10m on both the sides of nallahs and 250m at the banks of river will be left and due plantation will be maintained. Seasonal nallahs shall not be disturbed during the mining. The storm water shall not be discharged directly out of the ML boundary. Green belt will be developed under 7.5m safety barrier to prevent the runoff of silt from the mine lease. There will be regular monitoring on the upstream and downstream of all the 3 rivers. Embankment will be constructed as per Approved Embankment/design of protection plan distance of Ken, Sonar and Berma River (near to mine lease) and Major Nallahs (inside the mining lease) from the Office of Executive Engineer, Water Resource, Pawai, District- Panna (MP) WRD department vide S. No./709/Work/2020-2021 dated 12.05.2021 at a distance of 250m from the river bank. PP also submitted an undertaking vide letter dated 30.08.2021 that they shall not change the course of surface water body during the operating period of mine.

Point (xi): Project Proponent needs to revise budgetary plan proposed for Wildlife Conservation Plan.

Reply: PP submitted that approved budgetary provision for Wildlife conservation by the Office of CWLW, Bhopal vide letter no. S.No/WL/Map/ Gen- 274/4081, dated 16.06.2021 for a budget Rs. 180 Lakhs and as advised by the Hon'ble committee EAC members, PP increased the additional Budget of Rs. Rs.20 lakhs (Twenty Lakh) towards conservation which will be deposited to the office of the Wildlife, Bhopal Govt of MP. Now, total budget for WLCP will be of Rs. 200 Lakhs as per details given below:

S. No	Activities	Total (in Lakhs)
1a	Plantation in forest area and buffer zone in consultation with DFO	68.75
1b	Rejuvenation of existing water bodies in forest area and buffer zone	31.25
2	Provision of Awareness and educational program for wildlife, biodiversity significance at school level, village level and Gram Panchayat level in consultation of forest department.	10.0
3	Provision for necessary Veterinary medicine and rescue (rehabilitation of wildlife Veterinary care, animal health, rescue, tools and equipment etc.)	40.0
4	Provision for Research and monitoring etc.	10.0
5	Miscellaneous including Eco-Development and capacity building	20.0
6	Addition Budget for WL conservation as per advise of EAC (Non Coal Mine)	20.0
	Total Budget	200

Point (xii): The Committee noted that the Project Proponent committed the following during the presentation and undertaking for the same needs to be submitted by the PP as mentioned below.

- a. Transportation by road will be done for first year only and then by Over Land Belt Conveyor.
- b. Location of the crusher will be fixed near Bodla village.
- c. The capacity of the truck will be reduced from 55T to 30T.
- d. Dimension of the community center proposed for construction as per public hearing recommendation in 10 villages shall be revised to 25ft x 30ft x11 ft.

Reply: PP submitted an undertaking vide letter dated 30.08.2021 stating that PP shall not change the course of surface water body during the operating period of mine, PP shall use the road for transportation of mineral from crusher to cement plant for first year working only and later the same shall be transported by Over Land Belt Conveyor, PP

shall fix the location of crusher near Boda Village, PP shall reduce the truck/ tipper capacity from 55 T to 30 T and PP shall revise the dimension and construct the community center in 10 villages to 25ft x 30ft x11 ft.

Point (xiii): The Project Proponent needs to submit the certified baseline test reports by accredited NABL/MoEF&CC recognized laboratory.

Reply: PP submitted the baseline test reports certified by M/s SCS Enviro Services Pvt Ltd accredited by NABL and MoEF&CC recognized.

5. Observation and Recommendation of the Committee:

The Proposal of Environmental Clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Environment Clearance of M/s Jaykaycem (Central) Limited for Koni–Simariya Limestone Block with total excavation of 9.05 Million TPA (Lime Stone: 5.08 MTPA; Soil: 2.94 MTPA and OB: 1.03 MTPA) with Crusher capacity - 1800 TPH in the mine lease area of 3095.23 hectares located at Village(s) - Koni, Boda, Gudha, Maharajganj, Ganiyari, Vanbhai, Simariya, Devri, Pagra & Kuluwa, Tehsil Simariya, District Panna, Madhya Pradesh subject to the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects:

- i. The budget of Rs 12.11 Crores to address the concerns raised by the public including in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes.
- ii. The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the Central/State Government, as provided under the law.
- iii. The Project Proponent shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.
- iv. Peripheral plantation shall be completed within 6 months from the commencement of mining operation and the plantation in non-mineralized zone, around the water bodies and avenue plantation along the approach roads, Nalla

and Habitation shall be completed within 3 years from the commencement of mining operation.

- v. Plantation to be carried out with the survival rate of not less than 90% by planting 10 ft seedlings. Casualties should be replaced with new saplings every year and should be counted separately other than the total proposed saplings and the data for such saplings should be furnished during six monthly compliance report along with the progressive plantation.
- vi. The Project Proponent should collect six monthly data on ambient air quality, noise and ground vibration by installing adequate no. of monitoring station during blasting at the edge of the mine, near the village and school. Additionally, the data should also be collected while using the rock breaker in the mine lease area and the data collected should be submitted to IRO during EC Compliance monitoring.
- vii. The Project Proponent should further augment the Conservation plan by ensuring effective fire protecting measures during the fire season, by constructing the perennial source of drinking water for the wild animals and by undertaking habitat improvement activities to provide camouflage. The conservation plan in consultation with the Forest Department shall be implemented and compliance of the same shall be submitted to IRO of MoEF&CC before 1st July of every year.
- viii. The Project Proponent shall ensure that the protection and management of the water bodies should include provision of utilizing available water to the villagers by installing solar pumps as well as PP shall explore the possibility for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.
- ix. The Project Proponent shall ensure that the water bodies shall be protected by plantation and fencing should be provided outside the plantation for its safety. The natural streams (nalas) passing through the mining lease area shall not be disturbed. Further the streams shall be protected by creation of bunds on both sides. The Project Proponent should ensure that safety barrier of 250m for River (8.48 ha), The Project Proponent should ensure that safety barrier to be left around Nallah, Canal, Roads, Electric line and dumps should not be less than 100m on both the side.

- x. The Project Proponent shall ensure that no blasting activity to be carried out in 500 mts from school and habitation. Transportation activities should be restricted during 30 minutes prior to the school in/out timings for the school and shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014.
- xi. The Project Proponent shall ensure that the water bodies shall be protected by plantation and fencing should be provided outside the plantation for its safety. Wherever the fencing is proposed it should be done preferably by chain link instead of barbed wire. PP shall also ensure that digital technologies such as WiFi enabled cameras will be installed to monitor and control any unauthorized entry in mining area.
- xii. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program which should be analyzed periodically and improved accordingly.
- xiii. The Project Proponent should use the road for transportation of mineral from crusher to cement plant for one year only and later the same shall be transported by Over Land Belt Conveyor. The capacity of the truck/tipper should be 30 T only.
- xiv. The Project Proponent should preferably use electrical equipment's and use of diesel consuming machineries as well as vehicles should be discouraged to reduce the vehicular and gaseous emission.
- xv. The Project Proponent should not disturb the existing road network during the operating period of mine.
- xvi. The Project Proponent should submit the progressive plan for the activities undertaken for the commitments made by Project Proponent under R&R plan, concern addressing public hearing issues, conservation plan and plantation for its compliance review as per the timeline.
- xvii. The topsoil shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long time. The topsoil shall be used for land reclamation and plantation.

- xviii. ITI College should be operational by July, 2023 as submitted by Project Proponent. PP should submit the details on progress of construction and its operation by July, 2023.
- xix. Regular surveillance on Silicosis shall be carried through regular occupational health check-up of 1/3 of the persons every year.
- xx. NOC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. The Project Proponent shall obtain the NOC from CGWA for intersection of ground water table before commencing the mining operations.

2.2 Proposal for Terms of Reference of M/s Veer Durgadas Minerals Private Ltd for Suvakheda & Kheda Rathore Limestone Mine for a production capacity 0.5 million TPA along with the crusher of 225-250 TPH in the mine lease area of 221.043 Ha located at Village Suvakheda & Kheda Rathore, Tehsil – Jawad, District – Neemuch, Madhya Pradesh – [File No: J-11015/83/2020-IA-II(M), Proposal No: IA/MP/MIN/226037/2021, Consultant: Enviro Green Consultants (I) Pvt. Ltd] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of M/s Veer Durgadas Minerals Private Ltd is for grant of Terms of Reference for Suvakheda & Kheda Rathore Limestone Mine for a production capacity 0.5 million TPA in the mine lease area of 221.043 Ha located at Village Suvakheda & Kheda Rathore, Tehsil – Jawad, District – Neemuch, Madhya Pradesh. The mine lease area is located between Latitude 24° 32'05.47" N to 24° 33'42.56" N and Longitude 74° 49'24.55" E to 74° 51'51.18" E. The mine lease area falls under the Survey of India Toposheet No 45 L/14 and falls in Seismic Zone-II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

2. M/s Veer Durgadas Minerals Private Ltd initially made an online application vide proposal no. IA/MP/MIN/189486/2020 dated 23.12.2020 and submitted Form-1 & Pre-Feasibility Report and the proposal was considered in the 26th EAC meeting held during 11-13th January, 2021 wherein the Member Secretary informed the Committee that PP

vide email dated 07.01.2021 has sought for deferment of the proposal. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and deferred the proposal and was of the view that proposal may be considered after the submission of the additional information. Since the PP couldn't submit the information within the stipulated time, the proposal was delisted from Parivesh on 01.07.2021.

3. Now, the Project Proponent again submitted the fresh proposal vide online proposal no: IA/MP/MIN/226037/2021 dated 23.08.2021 and submitted Form-1 & Pre-Feasibility Report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

4. Lease Detail

S. no	Grant of Pl/mine lease/ Order	Date of grant	Name of the Mineral	Period of Grant		Granted by	Mine lease area in Ha
				From	To		
1	Prospecting License vide Lr No F2-113/ 2012/ 12/1	14.08.2013	Limestone	05.11.2013	04.11.2015	Govt. of Madhya Pradesh	221.043
2	Letter of Intent vide Lr No F 3-58/2018/12/ 1	03.10.2018	Limestone	50 years		Govt. of Madhya Pradesh	221.043
3	Grant of Mining lease vide Lr No F 3-58/2018/12/ 1	07.02.2020	Limestone	50 years		Govt. of Madhya Pradesh	221.043

5. Details of executed Mine leases.

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	25.06.2020	24.06.2070	

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	Modification to approved Mining Plan approved by Indian Bureau of Mines	MP/Neemuch/LI MESTONE/MPL N/MOD-06/2021-22/5651	30.07.2021	2021-22 to 2024-25	Additional provision to install a crusher/ screens to upgrade the limestone quality

7. **Observation and Recommendation of the Committee:**

The Proposal of Terms of Reference was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the proposal was earlier considered in the 26th EAC (Non-Coal) meeting held during 11-13th January, 2021 wherein PP did not attend the meeting and sought deferment. The Committee appraised the proposal in the absence of the PP and deferred the proposal for want of additional information.

PP now applied a fresh proposal but has not submitted the information sought by the EAC in the earlier meeting. The Committee during 15-17 september,2021 noted that the instant lease is in 10 blocks and requires appraisal in view of the ecological sensitivity. Also, PP has not mentioned the total excavation to be handled annually and the exact capacity of the crusher proposed. The Committee therefore **deferred** the proposal for want of following additional information:

- i. The Project Proponent has submitted the copy of grant of mining lease issued by Department of Mineral Resource, Govt. of Madhya Pradesh vide letter no. F 3-58/2018/12/1 wherein on the top of the letter the date is mentioned as 07.02.2021 but the date mentioned below the signature is 07.02.2020. PP need to clarify the actual date of lease grant and submit the legible copy of the lease grant order. As Project Proponent submitted that the Lease deed has been executed, hence copy of the same also needs to be submitted.
- ii. As the mine lease is divided in 10 blocks, PP need to submit the mining strategy over a period of 48 years with 5-year stage plan. PP should submit the block wise sequential and progressive mine closure plan. PP needs to submit the

detailed plan for accessing each block with the mineable reserves, production proposed and classification of land. PP need to submit the production schedule for each block in a single table for entire life of mine.

- iii. The Project Proponent should submit a map demarcating the mineralized zone and the other surface features in the study area.
- iv. The Project Proponent needs to submit the normative and peak total excavation in tonnes including mineral, overburden, inter-burden, waste, top soil, rejects etc. to be handled annually and the management of topsoil and waste needs to be properly addressed. The mineable reserves, blocked reserves need to be mentioned along with the life of mine. Waste to be generated during the entire life of mine and details of the location of dumping/backfilling area need to be submitted.
- v. The Project Proponent should submit the details of the crushing plant with flowsheet and its exact capacity along with the location map.
- vi. The Project Proponent needs to submit the copy of letter of Exemption under MSME for utilizing ground water from CGWA.

2.3 Proposal for Terms of Reference of Ms Eco Cements Limited for Amanganj Limestone Mine with production capacity of Limestone: 3.75 Million TPA, Top Soil: 0.4 Million TPA & OB/IB: 9.60 Million TPA (Total Excavation: 13.75 Million TPA) along with installation of 1600 TPH Capacity of Crusher in the mine lease area of 1793.59 ha located at Villages: Beli, Baraha Kala, Hinouti, Tehsil: Gunour and Villages: Chikalhai, Daharra, Gaura, Hinouta Mishra, Kanti, Mahewa, Patelpura, Pawaiya, Tehsil: Amanganj, District: Panna, State: Madhya Pradesh – [File No: J-11015/29/2020-IA.II(M), Proposal No: IA/MP/MIN/227653/2021, Consultant: J.M. EnviroNet Pvt. Ltd] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of Ms Eco Cements Limited is for grant of Terms of Reference for Amanganj Limestone Mine with production capacity of Limestone: 3.75 Million TPA, Top Soil: 0.4 Million TPA & OB/IB: 9.60 Million TPA (Total Excavation: 13.75 Million TPA) along with installation of 1600 TPH Capacity of Crusher in the mine lease area of

1793.59 ha located at Villages: Beli, Baraha Kala, Hinouti, Tehsil: Gunour and Villages: Chikalhai, Daharra, Gaura, Hinouta Mishra, Kanti, Mahewa, Patelpura, Pawaiya, Tehsil: Amanganj, District: Panna, Madhya Pradesh. The mine lease area is located between Latitude: 24°23'10.44"N to 24°28'34.00"N and Longitude 80°04'21.03"E to 80°11'38.65" E. The mine lease area falls under the Survey of India Toposheet No: G44U3 and falls in Seismic Zone – II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

2. Ms Eco Cements Limited initially made an online application vide proposal no. IA/MP/MIN/152360/2020 dated 01.05.2020 along with the Form1 and Prefeasibility report. The proposal was placed in the 19th EAC (Non-coal Mining) held during 22-24 July, 2020 wherein the Committee was of the view that the proposed mining scheme is not acceptable, as all the sides of the 7 villages, 3-4 Village ponds; both sides of the connecting roads were proposed for mining. Therefore, the committee returned the proposal in the present form and advised the project proponent to fragment the lease into different phases and revise the mining plan in consultation with IBM, keeping in view of the habitations, water bodies and connecting roads, in such a way, that the sequential mining between the blocks and no islanding of village at any given point of time shall happen. Further, clear demarcation of safety barrier of not less than 100 m against the habitation and 50 m against the roads and village ponds shall be left and planned for plantation / greenbelt.

3. Now, the Project Proponent submitted the fresh proposal vide online proposal no: IA/MP/MIN/227653/2021 dated 04.09.2021 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.

4. Lease Detail

S. no	Grant of Pl/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Prospecting License vide Lr no. F-2-2/2011/12/1, Bhopal	16.04.2013	Limestone	2 years	Govt., of Madhya Pradesh	1826.19
2	Letter of Intent vide No F 3-86/2015/12-	06.02.2017	Limestone	50 years	Govt., of Madhya Pradesh	1793.59

	1, Bhopal					
3	Grant of mining lease vide F 3-86/2015/12-1, Bhopal	06.10.2018	Limestone	50 years	Govt., of Madhya Pradesh	1793.59

5. Details of executed Mine leases.

S.no	Date of grant of Lease execution	Period of Grant		Details
		From	To	
1	Date of entering into original lease deed.	17.10.2019	16.10.2069	MP283052019A1710144

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	Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines	MP/Panna/Limestone/MPLN/G-24/18-19/ 5890	10.08.2018	5 years	1793.59
2	Modified Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines	MP/Panna/Limestone/MPLN/MOD-04/2021-22,5292, Jabalpur	02.07.2021	2021-22 to 2023-24	1793.59

7. The Project Proponent submitted that mining operations will be carried out by fully mechanized opencast method, deploying Heavy Moving Earth Machinery (HEMM i.e. hydraulic excavators, rear dump trucks, hydraulic drills, bull dozers, etc.) in conjunction with deep hole and blasting with the use of suitable explosives. ML area of 1793.59 ha comprises 23 blocks nos. as 1 to 23. Out of out of 23 delineated blocks, 10 blocks (Blocks-1,2,3,11,13,14,15,16,17 and 20) are mineable and the total mineable area is worked out be 930.05 ha. PP reported that total Geological Resources is 156.290 Million Tonnes and Mineable Reserves is 87.67 Million Tonnes. Life of the mine will be 28 years and it may increase after proposed exploration. The proposed bench height will be 10m (Max. 6 nos of benches, Five 10m height & one 5m height) and bench width will be 25-30m (working benches). Overall pit slope will be 40°. Excavated Limestone will be transported from mine face to crusher via 55T capacity of rear dumpers and further crushed limestone will be transported to its integrated cement

plant. A crusher of 1600 TPH capacity is proposed to be installed near ML periphery in Block-1 which will be later shifted to Block-15 in conceptual period. PP also submitted that during the plan period 0.43 million tonnes & at conceptual stage 4.26 million tonnes of the top soil will be generated. Top Soil will be used for greenbelt/plantation. During the plan period 9.45 million tones of OB/IB will be generated. At conceptual stage, 59.89 Million Tonnes overburden soil in the form of clay, murrum with shale and 77.45 Million Tonnes intermediate shale & 57.23 Million tonnes shaly limestone will be exploited. Above mentioned quantities shall be segregated on benches and stacked separately. OB soil and shale shall be initially stacked in the waste dump yard and will be used in reclamation of exploited pits by backfilling. A part of lower shaly limestone shall also be used with the ROM limestone and part shall be kept separately for future use, if any and it will not be mixed with other waste rocks. The maximum height of the temporary dump for overburden in initial years shall 10 m. Initially, during the plan period, temporary dumps are proposed to be created in Block-1 during mine opening time. From 2023-24 year onwards, mined out area shall be reclaimed by backfilling in Block-1. After backfilling of the exploited pits, top soil shall be spread over the entire backfilled area leaving area of shaly limestone and plantation shall be carried or can also be used for agriculture or regressing. Out of the total ML area 1793.59ha, 1093.85 ha area will be utilized & remaining 699.74ha area will remain undisturbed.

8. The Project Proponent reported that ground water table is found at a depth of 12-18m bgl and Ultimate working depth will be up to 275 to 310m RL (19 to 55m bgl). Groundwater level will be intersected and NOC for Ground water abstraction has been obtained from CGWA vide NOC No. CGWA/NOC/MIN/ORIG/2021/12466 dated 04.08.2021 and is valid up to 03.08.2023.

9. Land Area Breakup

Private land	1735.867 ha
Government land	57.723 ha
Total Mining lease area (MLA)	1793.59 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

10. Water requirement

Total water requirement	250 KLD	Fresh water	242.0 KLD
		Treated water	8.0 KLD
Source	Rain Harvesting/ Ground water/ Mine sump		
Permission	NOC for Ground water abstraction has been obtained from CGWA vide NOC No. CGWA/NOC/MIN/ORIG/2021/12466, dated 04.08.2021 and is valid up to 03.08.2023 for abstraction of fresh water 100m ³ day of fresh water and 57m ³ day for dewatering.		

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

Particulars	Villages	Directions
Nearest Village	Baraha Kala, Beli, Hinouti, Chikalahai, Dhahara, Gaura & Mukeha	~Adjacent to the lease boundary
Nearest Town/ City	Amanganj	~3.5 km in West
Nearest Highway	SH 49 SH 10	~ 5.0 km in NW ~2.75 km in WSW
Nearest Railway Station	Maihar Railway Station	~ 60.5 Km in ESE
Water Bodies	Mirhasan Nadi Ken River Saigur Nala Patna River	~ 4.5 km in North direction ~ 6.0 Km in South direction ~ 8.5 Km in WNW direction ~ 9.0 km in SSW Direction

12. The Project Proponent submitted that out of total mine lease area 1793.59 ha, 57.723ha is Govt. Waste Land and 1735.867ha is Pvt. land and there is no forest land involved in the mine lease area. PP reported that there is no National Park, Wild Life Sanctuary, Wildlife Corridors, Eco Sensitive Areas, Biosphere Reserves, Tiger Reserves etc., within 10 Km radius of the study area. PP also reported that 3 (three) forests such as Bilghari PF (~4.0 Km, NE), Gunaur PF (~7.0 Km in ENE direction) and Rampur PF (~9.0Km in NW direction) are within 10 Km radius of the study area.

13. The Project Proponent submitted that total area under green belt/ afforestation/ agriculture / regrassing works out to be 1084.05 ha till the conceptual stage. Out of which 154ha (66.0ha - 7.5 m barrier & non-mineralized zone, 40.30ha - 50 m safety zone of nallah, roads, electric lines and 47.70ha - 500 m safety zones of nearest habitation villages) will be developed as greenbelt & plantation along the safety zone & 930.05ha area will be excavated which will be reclaimed by backfilling and later on rehabilitated for regrassing / agricultural use. During plan period an area of 25.50 ha will be developed under Greenbelt & plantation along the safety zone. Local and fruit bearing species will be planted after consultation with local forest officer and as per CPCB guidelines. Density of plantation would be 1500 trees/ha. PP earmarked a budget of Rs 4.62 Crore (During the entire life) towards Greenbelt/Plantation.

14. The Project Proponent submitted that total Mining lease area is 1793.59ha, out of which 57.723ha is Govt. land and 1735.867ha is Private land. Detailed R&R plan will be prepared and submitted in the Final EIA report.

15. The Project Proponent submitted that there is no any litigation pending against the project and/or land in which the project is proposed to be set up. PP also submitted the Affidavit in a e Stamp dated 07.09.2021 stating that the company will 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.

16. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Project Cost	400
Employment	147 Nos.

17. Observation and Recommendation of the Committee:

The Proposal of Terms of Reference was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Terms of Reference to Ms Eco Cements Limited for Amanganj Limestone Mine with production capacity of Limestone: 3.75 Million TPA, Top Soil: 0.4 Million TPA & OB/IB: 9.60 Million TPA (Total Excavation: 13.75 Million TPA) along with installation of 1600 TPH Capacity of Crusher in the mine lease area of 1793.59 ha located at Villages: Beli, Baraha Kala, Hinouti, Tehsil: Gunour and Villages: Chikalhai, Daharra, Gaura, Hinouta Mishra, Kanti, Mahewa, Patelpura, Pawaiya, Tehsil: Amanganj, District: Panna, State: Madhya Pradesh subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:

- i. The Project Proponent should submit the block wise sequential and progressive mine closure plan with 5-year stage plan and progressive return of the land for use of agriculture or creation of water body or for plantation for the entire life of mine. PP needs to submit the detailed plan for accessing each block with the mineable reserves, production proposed and classification of land. PP need to submit the production schedule for each block in a single table for entire life of mine along with the map clearly demarcating the area where mining is proposed with the safety barrier around the house holds, nallas, rivers, water bodies and roads, electrical line etc.,
- ii. The Project Proponent should demarcate the land which will be purchased and which will not be purchased and submit an undertaking that the land which is not proposed to purchase will remain status quo. Also, as the mining will be progressive in nature hence PP should give undertaking that the current practices will be allowed in the area where mining will not be done even after purchase of the land.

- iii. The Project Proponent needs to submit the detailed R&R plan covering all the components viz. number of Project Affected Families (PAF) and details of the land owned by them, break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP need to submit the plan for Socio economic development of the neighbourhood habitats based on the need-based survey along with the time bound action plan.
- iv. The project proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- v. The project proponent needs to submit the Cost Benefit analysis comparing the current agricultural production and annual turnover including the cost and the benefits drawn by the local villages via-a-viz the mineral cost and beneficiaries.
- vi. The Project Proponent should submit the block wise pre and post mining land use pattern. PP should submit the location map clearly demarcating the surface features of core zone as well as buffer zone.
- vii. To reduce the diesel consumption, the Project Proponent shall explore the possibility for use of electrically/solar operated vehicles and other equipment's/machinery.
- viii. The Project Proponent needs to submit the map showing drainage and mineral zone in the study area with proper demarcation indicating the segments where mining will be carried out.
- ix. The Project Proponent should submit the map showing the location of crusher and mitigation measures to be adopted to reduce the impact and also the water balance feeding to the crusher.
- x. The Project Proponent should submit the detailed plan in tabular format (year wise for entire life of mine) with proper capital and recurring cost. PP shall undertake the adequate plantation with the seedling of 10 ft height with at least 90% survival rate and the plantation shall be completed within 3 years from the start of mining operations. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies. Undertaking in this regard needs to be submitted by the PP.

- xi. The Project Proponent needs to submit the protection measures to be taken for the voids created within the mine lease area from the view of safety of the villagers.
- xii. The project proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through proper separate budget.
- xiii. The project proponent shall allocate separate budget for the concerns of the local people in terms of health care facilities for COVID, betterment of schools nearby and to facilitate the online education system by providing Wi-Fi connectivity and desktops/tablets, infrastructure and environment protection.
- xiv. The Project Proponent needs to submit the ecology restoration plan.

2.4 Proposal for Environmental Clearance of M/s UltraTech Cement Limited is for Deora, Sitapuri & Udiyapura Limestone mine with production Capacity of 2.0 Million TPA(ROM) Limestone, Top Soil - 0.17 Million TPA, OB & IB - 0.25 Million TPA (Total Excavation - 2.42 Million TPA) in the mine lease area of 344.783 ha at Villages: Deora, Sitapuri, Udiyapura and Muhali, Tehsil Manawar, District: Dhar, State: Madhya Pradesh – [File. No: J-11015/66/2019-IA-II(M) Proposal No: IA/MP/MIN/115209/2019, Consultant: J.M. EnviroNet Pvt. Ltd] - Environmental Clearance (EC)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

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

2. M/s UltraTech Cement Limited initially submitted the application vide proposal no. IA/MP/MIN/115209/2019 dated 13.05.2021 along with the Form-2 and EIA report

under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category “A” of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. The proposal was earlier considered in the 32nd EAC meeting held during 28th June, 2021 to 1st July 2021. During the meeting, the Project Proponent informed that Letter of Intent (LoI) vide letter no.F.3-32/2018/12/1 Bhopal date 09.06.2018 has been granted by Mineral Resource Department, Govt. of Madhya Pradesh through an e-auction for a period of 3(three) years from date of issuance, which is valid up to 19.06.2021, further PP has submitted they have requested to Govt. of Madhya Pradesh on 19.05.2021 for extension of validity of LOI which is under consideration. After deliberation the Committee opined that valid lease document is the basis for considering the proposal for grant of EC and in the instant proposal PP has no valid document in support of the fact that Proponent is the rightful lease of the mine as per the Letter of Intent (LoI) issued by Govt of Madhya Pradesh vide Lr No F 3-32/2018/12/1 dated 20.06.2018 which was valid up to 19.06.2021. Thus, Committee was of the view that the proposal cannot be considered in present form. PP shall approach the Ministry after obtaining valid Letter of Intent (LOI) and therefore the Committee returned the proposal in present form.

4. Now, the Project Proponent resubmitted the proposal vide no. IA/MP/MIN/115209/2019 dated 02.09.2021 and submitted Form 2 and EIA report along with the extension of validity of Letter of Intent (LoI) issued by the Govt of Madhya Pradesh vide Lr No F 3-32/2018/12/1 dated 13.08.2021 that the validity of LOI has been extended to a period of further 1 year from 29.06.2021 to 28.06.2022 for obtaining Environmental Clearance.

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

Date of application	Proposal No	Consideration	Details	Date of accord
21.08.2019	IA/MP/MIN/115209/2019	9 th EAC Meeting held during September 24-25, 2019 & 14 th EAC Meeting held during February 26-27, 2020	Production Capacity of 2.0 Million TPA (ROM) Limestone, Top Soil - 0.17 Million TPA, OB & IB - 0.25 Million TPA (Total Excavation - 2.42 Million TPA) in the mine lease area of 344.783 ha	09.04.2020

6. Lease Detail

S. no	Grant of Pl/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant		Granted by	Mine lease area in Ha
				From	To		
1	Letter of Intent vide F Lr 3-32/ 2018/12/1	20.06.2018	Limestone	20.06.2018	19.06.2021	Govt of Madhya Pradesh	344.783 ha for a period of 50 years
2	Extension of LOI vide Lr No F 3-32/ 2018/12/1	13.08.2021	Limestone	29.06.2021	28.06.2022	Govt of Madhya Pradesh	344.783 ha for a period of 50 years

7. Mining Plan.

Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines.	Letter No.	Lr MP/Dhar/Limestone/MPLN/G-01/19-20/5670
	Date	19.07.2019
	Mineral	Limestone
	ML area	344.783 ha
	Validity	5 years from the financial year of ML execution
Mining Parameters	Quantitative Description	
Method of Mining	Fully Mechanized Opencast method utilizing Heavy Earth Moving Machines (HEMMs) following conventional drilling and blasting	
Bench Height	Variable (Maximum 8m)	
Bench Width	25 to 30 m (Width of working benches)	
Geological Reserves	61.96 Million Tonnes	
Mineable Reserves	43.68 Million Tonnes	
Life of mine	26 years	
Overall pit slope	53°	
Drilling/Blasting	115 mm drill dia and the estimated average daily consumption of ANFO and Primer explosive (emulsion/slurry) shall be 396kg and 99kg respectively	
ROM Output size	<1.75 m ³ (-1200 mm)	
Transportation details	Limestone will be transported from mine to the crusher (already located at adjacent mine) via dumper & after crushing; the mineral will be transported from crusher to cement plant via covered conveyor belt (distance from the crusher to cement plant is ~8.2km).	
Dumper's capacity	5 No.s of 35 Tonne dumper with 24 trips/day	
Crusher	PP submitted that the new crusher of 1200 TPH will be	

	<p>commissioned in proposed mine by 7th year after start of mining operations.</p> <p>PP also submitted the No Objection Certificate (NOC) from the adjacent mine of Sitapuri & Udiyapura mine belongs to Ms UltraTech Cement Ltd to use the crushing facility for handling of excavated mineral is 2.0 MTPA (ROM). PP also submitted the undertaking by the M/s UltraTech Cement Ltd letter no nil dated 26.02.2020 stating that the total existing crusher capacity will not exceed 3.66 MTPA. The crusher will be utilized till the new crusher installed in the proposed mine.</p>
Topsoil (Conceptual)	4.13 MT of Top soil will be used for reclamation of the backfilled area and will be simultaneously used for plantation
Waste generation (Conceptual)	Total 2.28 MT of OB & IB waste will be temporarily dumped at earmarked sites and will be backfilled in 26.21 ha of the mined-out area
Water bodies	One seasonal nallah flowing NE to SW direction is already excluded. 2 Seasonal nallahs are passing and one minor canal & a network of minor canal is passing. Safety barrier of 50m one either side will be left.
Electric line	11 KV transmission line is passing through ML area. Safety barrier of 50m will be left on either side
Village road	Village road is passing from NE to SW direction which is already excluded
Range of Water Table Pre-Monsoon Season	12 to 15m bgl (229-232m AMSL)
Range of Water Table Post-Monsoon Season	15 to 18m bgl (226-229m AMSL)
Depth of mining	26m bgl (218m RL)
Ground water intersection	Yes
NOC/Permission Letter	Application for obtaining NOC from CGWA has been submitted vide application no. 21-4/1087/MP/MIN/2021 dated 15.02.2021.

8. Land Area Breakup

Private land	293.614 ha
Government land	51.169 ha (25.364 ha is Grazing Land)
Total Mining lease area (MLA)	344.783 ha
Additional information (if any)	NOC obtained from Tehsildar, Tehsil: Manawar, Dist: Dhar, MP vide letter no. 233/Re.1/2019, Manawar, dated 11.01.2019

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

Particulars	Distance	Direction
Sitapuri Village	Adjacent	NW
Udiyapura Village	Adjacent	E
Deora Village	~30 m	SSW
Dhar Town	~35 km	NNE
State Highway - SH 38	~1.5 km	W
Mhow Railway Station	~75 km	NE
Water bodies		
Man River	~0.5 km	W
Sukkar River	~1.5 km	NW
Left Bank Main Canal	~4.0 km	WNW
Right Bank Main Canal	~2.5 km	NNE
Zirabad Reservoir (Man Dam)	~8.0 km	N
Gandharva River	~ 8.5 km	WNW

10. Water requirement

Total water requirement	100 KLD	Dust Suppression	60.0 KLD
		Drinking	4.0 KLD
		Workshop	6.0 KLD
		Plantation	30.0 KLD
Source	4.0 KLD will be met from ground water and remaining 96.0 KLD will be met from existing mine sump of the adjoining Sitapuri Limestone mine during initial phase and subsequently from its own mine sump.		
Permission	Application for obtaining NOC from CGWB/CGWA has been submitted vide application no. 21-4/1087/MP/MIN/2021 dated 15.02.2021.		

11. Presence of Environmentally Sensitive areas in the study area

Forest Land/Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/ letter/ Remarks
Forest Land	No	Certificate regarding confirmation of no involvement of Forest Land along with location map duly authenticated by the Principal Chief Conservator of Forest and Chief Wild Life Warden, Bhopal, Govt. of Madhya Pradesh, vide letter no V. Pra/Maa Chi/Mine-83/651, Bhopal, dated 29.01.2021.
National park	No	
Wildlife Sanctuary	No	
Biosphere Reserves/Tiger Reserves	No	
Wildlife Corridors	No	
Aravalli Range	No	PP submitted that Aravalli range does not fall within mining area and letter regarding confirmation of the same has been obtained from District Mining Office, Office of

		Collector, Dhar vide letter no. 2013/Khanij/2020-21, Dhar, dated 17.11.2020
Critically Polluted Area	No	PP submitted that No Critically Polluted areas as notified by the Central Pollution Control Board are located within 10 km from the boundary of mining area. Proposed mine site is located approx 66 km distance from Pithampur & approx 89km from Indore, which is declared as critically polluted areas. A letter regarding confirmation of the same has been obtained from Regional Officer, Dhar MPPCB vide letter no. 815/She. Ka. Dhar/Pranibo/2020, Indore, dated 01.10.2020
Reserve Forest	Distance	Direction
Reserve Forest	~3.5 km	NNE
Dhamnodb RF	~8.5 km	NNE
Nimkhera RF	~6.5 km	NE
Lawani RF	~5.5 km	ENE

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	No	PP submitted list of Flora and Fauna duly authenticated by Principal Chief Conservator of Forest and Chief Wild Life Warden, Bhopal, Govt. of Madhya Pradesh, vide letter no V. Pra/Maa Chi/Mine-83/651, Bhopal, dated 29.01.2021

12. Green belt/plantation details

Particulars for Green belt/plantation	Area covered (in Ha)
Proposed area for green belt/plantation	64.20 ha
7.5 m barrier & non-mineralized zone	10.37 ha
Ultimate Pit Limit	7.42 ha
Backfilled area	26.21 ha
On other area	20.20 ha
Total no. of plants	1,60,500 no.s
Budget for green plant & plantation till the end of life of mine	Rs. 256.80 Lakh
Schedule of Plantation	i. PP submitted that during 1st five year plan period 10.37 ha will be covered under Greenbelt ii. Plantation/regrassing on backfilled

	<p>area will be started after 6th year onwards to 26th year of proposed plan.</p> <p>iii. With the starting of 11th year to 26th year of proposed plan plantation will be done on ultimate pit limit & on other area</p>
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13. 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 Summer season. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water for the month of March-May, 2019 have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)					
Period of baseline data collection			March-May, 2019		
Season (Summer / Pre-monsoon / Post-monsoon / Winter)			Summer		
Period	Results of Baseline monitoring				
AAQ parameters at 9 locations	Pollutant	Min, $\mu\text{g}/\text{m}^3$	Max, $\mu\text{g}/\text{m}^3$	98 %ile, $\mu\text{g}/\text{m}^3$	Standard, $\mu\text{g}/\text{m}^3$
	PM2.5	28.6	53.3	52.8	60
	PM10	58.3	91.8	91.1	100
	SO2	6.0	18.6	18.3	80
	NOx	11.1	34.2	33.7	80
AAQ modelling (Incremental GLC)	Pollutant	Baseline Concentration, $\mu\text{g}/\text{m}^3$	Incremental Concentration, $\mu\text{g}/\text{m}^3$	Total GLC, $\mu\text{g}/\text{m}^3$	Standard
	PM2.5	50.2	0.7	50.9	60
	PM10	87.7	1.6	89.3	100
	SO2	16.2	0.7	16.9	80
	NOx	26.7	0.2	26.9	80
Noise level at 9 locations	Day Time: 51.6 to 70.0 Leq dB (A) Night Time: 40.9 to 62.5 Leq dB (A)				
Ground water quality at 8 locations	PP submitted that pH ranged from 7.23 to 7.99 indicating slightly alkaline in nature. The colour and turbidity were found to be BDL and odour and taste were agreeable at all sampling locations. Total hardness (227.50 to 373.10 mg/l), Alkalinity (212.30 to 513.83 mg/l), Total Dissolved Solids (336.0 to 706.0 mg/l). All the samples, were observed to be within the permissible limits and complies to the drinking water standard (IS: 10500-2012).				
Surface water quality at 3	PP submitted that pH ranged from 7.48 to 7.63 indicating slightly alkaline in nature. The colour and turbidity found to be in the				

locations	permissible range and odour was found agreeable at all the locations. The COD ranged from 12 to 44 mg/l and BOD ranged from 3.80 to 12 mg/l. The nutrients were also found in sufficient quantity. The physical quality and chemical quality is good and safe for aquatic biodiversity and the water sample collected from Man River is cleaner as compared to Zirabad Reservoir & Village Udiyapura Pond.
Soil quality at 8 locations	PP submitted that soil samples exhibit Black, Brown & Blackish Brown color which indicated that the soil has high organic matter content and varied from 0.71% to 1.32%. The textures of the collected soil samples found out to be Silt clay loam and clay loam. pH found to be slightly alkaline in nature and varied from 7.47 to 7.92. The texture, alkaline nature and presence of organic matter of the soil reflect that the soil is appropriate for the plant growth. Also essential macro-nutrients found to be average which is suitable for the plant growth.

14. Public Hearing (PH) Details

Advertisement for PH with date	Dainik Bhaskar, Dhar Edition and Nation, Free Press, Indore Edition dated 08.11.2020
Date of PH	11.12.2020
Venue	Sitapuri Village (Mining Area), Development Block: Manawar, District: Dhar, Madhya Pradesh
Chaired by	1. Mr. Shalendra Singh Solanki: Additional Collector, Dhar 2. Mr. Sunil Shrivastav: Regional Officer, MPPCB (Dhar), Indore
Issues raised during PH	Employment opportunities, Construction of School, Canals, Check Dams, CC Road, Plantation Development, Skill Development, Drinking Water Facilities etc.
Budget proposed for addressing issues raised during PH	Rs. 2.305 Crore

15. The Project Proponent submitted that out of total mine lease area of 344.783ha, 293.614ha is Private Land & 51.169ha is Govt. Land (25.364ha is Grazing Land). PP also reported that out of total Mining area of 344.783ha, 297.035ha area comes under the mineralized zone which will be acquired whereas 47.748ha area comes under the non-mineralized zone and it will not to be acquired. As per Khasra details there are 212 PAFs, Out of total PAFs 11 are having house in mine area (6 families having land and house and 5 families having only house). The Govt. Land will be acquired directly from the State Government. The private land which mostly belongs to tribals will not be acquired directly. PP has approached the District Collector for acquisition of private land for mining. PP also applied for surface right under section 247 of MP Land revenue

Code 1959 & as amended by MP Act No. 23 of 2018, dated 27.07.2018. PP also submitted that while obtaining surface rights, there will be no change in ownership of land and will be returned back to the original owner after 50 years of mining lease period. PP earmarked a budget of Rs. 105.898 Crore for the Resettlement & Rehabilitation Plan. However, the actual R&R cost will be applicable as per the Surface Right Grant order issued by State Govt.

16. Court case details

Project Proponent submitted an Undertaking dated 08.05.2021	There is no litigation pending against the project and/or any direction / order passed by any Court of law against the proposed project and that for any such litigation whatsoever, the sole responsibilities will be borne by company.
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17. Affidavit/Undertaking details

PP submitted the Affidavit cum Undertaking in a non-judicial stamp paper of Rs 50 bearing no AV 892643 dated 08.11.2019	The mined material will not be stored outside the lease area except the captive cement plant else necessary clearance for all applicable statutory provision will be obtained
Project Proponent submitted an Undertaking dated 08.05.2021	'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 4 th August, 2009 has been followed in the preparation of this EIA Report'.
Consultant submitted an Undertaking dated 10.05.2021	The conditions laid down in Terms of Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/66/2019-IA.II (M) dated 09.04.2020 have been complied as per data/details provided by Project Proponent & as per Approved Mining Plan along with Progressive Mine Closure Plan approved by IBM and the data submitted are factually correct.
Plagiarism Certificate checked on 17.04.2021	The Head of the Accredited Consultant Organization/ Authorized person certified that this EIA Report has been evaluated by using online in house software viz. small tools https://smalltools.com/plagiarism-checker/ . The report produced has been analyzed by the system and based on it, I certify that the EIA Report produce in accordance with good scientific practice.
PP submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing BA 423861 dated 13.09.2019 as per Ministry's OM	The Company will comply with all the statutory requirement & judgment of Hon'ble Supreme Court dated 2 nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus

dated 30.05.2018	Union of India & Ors.
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18. Details of the EMP

Activities	Capital Cost (Rs.In Lakhs)	Recurring (Rs. In Lakhs)
Air Quality Monitoring and Management	169.58	34.27
Water Quality Monitoring and Management	58.42	2.96
Noise and Vibration Monitoring and Management	5.0	3.14
Miscellaneous	-	6.33
Total	233.0	47.0

19. Details of project cost and employment:

Particulars	Budget (Rs. In Crores)
Capital Cost for Environment Protection	Rs 2.33
Budget for addressing the Public Hearing issues	Rs 2.305
Total EMP Cost	Rs 4.635
Recurring cost for EMP	Rs 0.47/annum
Project Cost	Rs 135
Employment	45 persons

20. Observation and Recommendation of the Committee:

The Proposal of Environmental Clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee **recommended** the proposal for grant of Environmental Clearance of M/s UltraTech Cement Limited for Deora, Sitapuri & Udiyapura Limestone mine (Auction block) with production Capacity of 2.0 Million TPA(ROM) Limestone, Top Soil - 0.17 Million TPA, OB & IB - 0.25 Million TPA (Total Excavation - 2.42 Million TPA) in the mine lease area of 344.783 ha at Villages: Deora, Sitapuri, Udiyapura and Muhali, Tehsil Manawar, District: Dhar, State: Madhya Pradesh along with the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects : -

- i. Plantation to be carried out with the survival rate of not less than 90% by planting 10 ft seedlings and the plantation shall be completed within 3 years from the start of mining operations. Causalities should be replaced with new saplings every year and should be counted separately other than the total proposed saplings

and the data for such saplings should be furnished during six monthly compliance report along with the progressive plantation.

- ii. EMP budget which was shown as Rs 2.30 Cr now revised to Rs 2.52 Cr and PP shall submit the capital investment for the additional expenditure for the revised budget. The activities proposed with the budget of Rs. 2.52 Crores to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes.
- iii. The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the Central/State Government, as provided under the law.
- iv. The Project Proponent should restrict the overall pit slope to 45° for the safety of benches.
- v. The Project Proponent shall carry out the monitoring of Ambient Air Quality, Noise and Ground vibration when drilling and blasting operations are undertaken as well as during secondary breaking at the edge of mine in the direction of sensitive receptor as well as in the immediate vicinity of the sensitive receptor and the data should be submitted to the Ministry every year.
- vi. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program which should be analyzed periodically and improved accordingly.
- vii. The Project Proponent should preferably use electrical equipment's and use of diesel consuming machineries as well as vehicles should be discouraged to reduce the vehicular and gaseous emission. PP should keep the DG sets in standby mode and not to be used.
- viii. The Project Proponent shall ensure that the water bodies shall be protected by plantation and fencing should be provided outside the plantation for its safety. Wherever the fencing is proposed it should be done preferably by chain link instead of barbed wire.

- ix. Since the mining will be undertaken in progressive manner, hence PP should allow the current practices in the remaining area which will not be mined.
- x. The Project Proponent shall explore the possibility of installing solar panel on the water bodies to be created in mining pit for generation of solar power and shall utilize the generated solar power in mining operations and distribution of power supply to the villages.
- xi. The Project Proponent shall ensure that progress as per the timeline proposed for the Environmental Quality Data, Plantation undertaken, R&R Plan implementation, Expenditure incurred to address the public hearing concerns with capital investment must meet their targets and the annual progress reports should be submitted to the IRO, MoEF&CC.
- xii. NOC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. The Project Proponent shall obtain the NOC from CGWA for intersection of ground water table before commencing the mining operations.
- xiii. Project Authority shall make necessary alternative arrangements, where required, in consultation with the State Government to provide alternate areas for livestock grazing. In this context, Project Authority should implement the directions of the Hon'ble Supreme Court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide midday shelter from the scorching sun should be scrupulously guarded against felling, lest the cattle abandon the grazing ground or return home by noon.

2.5 Proposal for Terms of Reference of M/s Lalajee Minerals for Negariya Manganese (Psilomelane) mine for a production of 975 TPA in the mine lease area of 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh - [File No: IA-J-11015/65/2019-IA-II(M), Proposal No: IA/MP/MIN/105055/2019, Consultant: Aseries Envirotek India Pvt Ltd] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of M/s Lalajee Minerals is for grant of Terms of Reference for Negariya Manganese (Psilomelane) mine for production of 975 TPA of Saleable Mn Ore in the mine lease area of 4.99 Ha, located at Village: Negariya, Tehsil: Jhabua, District: Jhabua, Madhya Pradesh. The mine lease area is located between Latitude 22°50'53.05"N to 22°51'00.07"N and Longitude 74°30'31.06"E to 74°30'42.09"E. The mine lease area falls under the Survey of India Toposheet no: 46 J/7 and falls in Seismic Zone-III. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

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

3. The proposal for Terms of Reference was earlier considered in the 32nd EAC meeting held during 28th June, 2021 to 1st July 2021. Project proponent/consultant requested for deferment, as there was no power available at their office. Further, the Committee was of the view that the Consultant was not prepared to make presentation and answer the basic details about the project and there was no submission of documents to the EAC. Therefore, the Committee deferred the proposal as requested by the Project Proponent. Then, again the proposal was considered in the 34th EAC (Non-Coal Mining) meeting held during 27th to 30th July, 2021, the Member Secretary informed the Committee that the Project Proponent vide email dated 30.07.2021 informed that they are unable to attend the meeting. However, EAC deliberated the proposal based on the documents and information submitted by the PP on the Parivesh portal and deferred the proposal for want of the additional information.

4. Now, the Project Proponent submitted the information on 03.09.2021 in Parivesh as sought by the EAC in its 34th EAC (Non-Coal Mining) meeting held during 27th to 30th July, 2021 as mentioned below.

Point (i): The Project Proponent needs to submit the total excavation in tonnes including mineral, overburden, inter-burden, waste, top soil, rejects etc. to be handled and the management of topsoil and waste needs to be properly addressed. The mineable reserves, blocked reserves need to be mentioned along

with the life of mine. Waste to be generated during the entire life of mine and details of the location of dumping/backfilling area need to be submitted.

Reply: PP reported that the Total estimated geological reserves is 5,520 MT, Reserves bound in boundary zone and pit slopes is 1090 MT, Total available reserves is 4330 MT, Total mineable Manganese Ore: 3881 MT, Average production of Manganese ore is 770 MTPA, Top soil: Nil, Overburden: 36,561 MT (33,316 MT during the 5-year Plan Period), Intercalated wastes is 449 MT and Life of mine is 6 years. As it is proposed to continue exploration in the lease area through 5 proposed bore holes, the estimated reserves and the life of mine are likely to increase.

PP submitted the year wise development and production during the first 5 years of mining (Plan period) as mentioned below in table.

Year	Topsoil, MT	Overburden, MT	Saleable Mn Ore, MT	Intercalated waste, MT	Total Excavation, MT
1 st year	Nil	25,378	390	45	25,807
2 nd year	Nil	34	521	60	606
3 rd year	Nil	4,740	975	113	5,805
4 th year	Nil	2,422	846	98	3,349
5 th year	Nil	742	721	83	1,532
Total (5 yrs.)	Nil	33,316	3453	399	37,099
6th year	Nil	3,245	428	50	6,932
Total (conceptual)	Nil	36,561	3,881	449	40,776

PP also submitted that the overburden will be dumped temporarily within lease area in non-mineralized zone in the western part of the lease area. The waste dump will be provided with retaining walls and surrounded by garland drain with settling pits for suspended solids. The rehabilitated area will be covered with plantation during the conceptual period of the mine. Similarly, the overburden excavated during subsequent years will be utilized for rehabilitation of the pits. The intercalated wastes will also be stored in non-mineralized zones within lease area and utilized for making and maintaining of haul roads.

Point (ii): The Project Proponent needs to submit the duly authenticated Past production details and details of earlier EC and details of the violation if any.

Reply: PP submitted that this is a new proposal and no mining has been done in the lease area. PP has applied to the Mines Dept. for obtaining certificate to this effect. PP also submitted the affidavit in a non-judicial stamp paper of Rs 100 bearing BN 365673 dated 21.08.2021 declaring that no mining was done in the lease area till date.

5. Lease Detail

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

6. Mining plan

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	Indian Bureau of Mines vide Lr JHB/DOL/MPLN-1131/NGP
	Date of approval	02.04.2013
	Mineral	Manganese Ore
	ML area	4.99 Ha
Mining Parameters	Quantitative Description	
Method of Mining	Opencast semi mechanized method of manual mining by deployment of hand tools such as spades, hammer, crowbar, and chisel.	
Bench Height	2-4m	
Bench Width	As per DGMS requirements and not less than height of the bench	
Individual bench slope	80-85°	
Overall pit slope	55°	
Drilling/Blasting	Jack hammer drill will be used to make 1.5m deep hole at one stroke therefore blasting will be carried out in two to three sub benches and 0.35kg of explosives will be required daily.	
Transportation details	After sorting of Mn ore, it will be loaded in to the trucks and tractor manually. Produced Manganese transported to the destination nearby cement plant by dumpers/ trucks.	
Topsoil	Nil	
Waste generation	33,316 Tonnes of OB waste will be generated during first five year plan period.	
Overburden	Overburden will be dumped temporarily within lease area in non-mineralized zone in the western part of	

	the lease area.
Intercalated waste	The intercalated wastes will also be stored in non-mineralized zones within lease area and utilized for making and maintaining of haul roads.

7. Land Area Breakup

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

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

Particulars	Distance	Direction
Negadiya Village	~ 0.51 km	W
Meghnagar Town	~ 7 km	NE
National Highway NH-39	~ 4.4 km	S
Meghnagar Railway Station	~7.0 km	NE
Anas River	~0.20 km	S

9. Water requirement

Total water requirement	7.33 KLD	Dust Suppression	6.30 KLD
		Drinking & Domestic	0.50 KLD
		Plantation	0.54 KLD
Source	Drinking and domestic purpose water will be obtained from tube wells situated near the mine lease area. Remaining 6.84 KLD water will be met from sump proposed to be constructed in the pit which will be used for dust suppression, afforestation and Jhiri cutting respectively.		

10. Presence of Environmentally Sensitive areas in the study area

Forest Land/ Protected Area/ Environmental Sensitivity Zone	Yes/No	Permission
Forest Land	No	DFO vide Lr No Maa.Chi 2017/4768 Jhabua, dated 27.10.2017
Reserve Forest	No	
National Park	No	
Wildlife Sanctuary	No	
Tiger/Elephant Reserves	No	
Biosphere Reserve	No	
Wildlife Corridor	No	

11. Green belt/plantation details

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

12. Court case details

Court Case	No
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13. Resettlement & Rehabilitation (R&R)

R & R Plan	NA
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14. Details of project cost and employment:

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

15. Observation and Recommendation of the Committee:

The Proposal of Terms of Reference was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the lease was granted on 13.07.2011 and PP has not submitted the copy of the lease deed execution in PARIVESH. As per the sub section (4) of the section 4A of MMDR Act, 1957 as amended on 28.03.2021 “*where the Central Government has communicated previous approval as required under sub-section (1) of section 5 for grant of a mining lease, or if a letter of intent (by whatever name called) has been issued by the State Government to grant a mining lease, before the commencement of the Mines and Minerals (Development and Regulation) Amendment Act, 2015, the mining lease shall be granted subject to fulfilment of the conditions of the previous approval or of the letter of intent within a period of two years from the date of commencement of the said Act*”.

Therefore, the Committee deferred **the proposal** and asked the PP to submit the lease execution copy on PARIVESH.

2.6 Proposal for extension of validity of environmental clearance of Shri K.Rajamohan Reddy for Iron Ore and Beneficiation plant for 0.5 million TPA of Iron ore production and 0.3 million TPA capacity of beneficiation plant in the mine lease area of 88.95 ha located at Village Chabali, Mandal Pendlamarri, District Kadapa, Andhra Pradesh – [File. No: J-11015/164/2011-IA.II(M) Proposal No: IA/AP/MIN/227062/2021] - Extension of validity of EC

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of Shri K.Rajamohan Reddy is for extension of validity of environmental clearance of Shri K.Rajamohan Reddy for Iron Ore and Beneficiation plant for 0.5 million TPA of Iron ore production and 0.3 million TPA capacity of beneficiation plant in the mine lease area of 88.95 ha located at Village Chabali, Mandal Pendlamarri, District Kadapa, Andhra Pradesh. The mine lease area is located between Latitude 14°28'06.4"N - 14°29'01.1"N and Longitude 78°35'22.1" E - 78°36'12.7" E. The mine leased area falls under the Survey of India Toposheet No: 57J/11 and falls in Seismic Zone-III.

2. Shri K.Rajamohan Reddy has made an online application vide proposal no: IA/AP/MIN/227062/2021 dated 31.08.2021 and submitted Form 6 under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "B" of the schedule of the EIA Notification, 2006 as the mining lease area is less than 100 ha.

3. The Project Proponent submitted that initially Environmental Clearance was obtained from the Ministry vide F.No. J-11015/164/2011-IA.II(M) dated 12.05.2015 over an mine lease area of 88.95ha for 0.5 million TPA of Iron ore production and 0.3 million TPA capacity of beneficiation plant.

4. The Project Proponent submitted that mining lease was granted by Govt., of Andhra Pradesh vide G.O.M.S.No 173 dated 15.03.2001 for a period of 20 years with effect from 07.12.2001 and is valid up to 06.12.2021. Then, the Govt., of Andhra Pradesh vide G.O.Ms.No.176 dated 18.12.2017 issued order that the existing M.L. for Iron Ore over an extent of 88.395 Hectares in Sy.No.320 of Chabali (V), Pendlimarri (M), YSR Kadapa Dist held by Shri K.Rajamohan Reddy as deemed to have been granted for (50) years as per Sec 8-A (3) of MM (D&R) Amendment Act, 2015, i.e., up to 06.12.2051. The supplementary lease deed executed and work order issued, vide proceedings No. 1205/M3/2001 dated 20.11.2020.

5. Now, the Project Proponent applied for extension of validity of EC to coterminous with the mine lease period ending on 06.12.2051.

6. The Ministry while granting EC in 12.05.2015 noted that this was a violation case of EIA Notification, 2006 as mine had been operating after its grant in March 2001 without obtaining requisite prior environmental clearance. The letters for taking action against the project for violations were issued on 31.10.2011 followed by reminder on 26.08.2013. PP has submitted the Board resolution in the form of affidavit dated 09.01.2012. The copy of letter from Mines and Geology, Kadapa conforming that court case no. C.C No. 288 of 2014 under EPA has been registered in Court of judicial Magistrate Kadapa for taking the credible action against the Project. In response to the

directions issued under the Section 5 of EPA the PP submitted letter from Department of Mines and Geology dated 20.11.2014 informing that mine is not working since February, 2011 due to non-submission of Environmental Clearance.

7. Observation and Recommendation of the Committee:

The Proposal for extension of validity of environmental clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. The Committee noted that initially PP obtained Environmental Clearance from the Ministry vide F.No. J-11015/164/2011-IA.II(M) dated 12.05.2015 over an mine lease area of 88.95ha for 0.5 million TPA of Iron ore production and 0.3 million TPA capacity of beneficiation plant. PP also informed that the proposal does not attract the general conditions. The Committee was of the view that as on date, the instant proposal falls under Category B as per the Ministry's Notification S.O 3977 (E) dated 14.08.2018 as the mine lease area is less than 100ha i.e., 88.95ha. Therefore, the Committee recommended to **transfer the proposal** to State Level Impact Assessment Authority (SEIAA), Andhra Pradesh also advised Ministry to ask the concern SEIAA/SEAC to ensure the compliance of the EC dated 12.05.2015 and examine the Proposal in compliance of the Hon'ble Supreme Court judgment dated 02.08.2017(W.P.C 114 of 2014) in the matter of Common Cause Vs Union of India and Ministry's Notification S.O. 804(E) dated 14.03.2017

DAY 3 - 17.09.2021 (Friday)

3.1 Proposal for Environmental Clearance of M/s J K Cement Ltd for Chenpura Limestone Deposit with the production capacity of 2.502 Million TPA ROM (Cement Grade Limestone: 0.876 Million TPA & Sub grade Limestone: 1.626 Million TPA), Soil/Alluvium: 0.048 Million TPA, Waste: 0.5 Million TPA; Total Excavation: 3.05 Million TPA along with 2 x 500 TPH Capacity of Crusher with Screening in the mine lease area of 206.354 ha, located at Village: Nayagaon, Tehsil: Jawad & Village: Chenpura, Tehsil: Neemuch, District: Neemuch, State: Madhya Pradesh – [File No: IA-J-11015/7/2021-IA-II(M), Proposal No: IA/MP/MIN/193710/2021, Consultant: JM EnviroNet Pvt. Ltd] – Environmental Clearance (EC)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of M/s J K Cement Ltd is for grant of Environmental Clearance for Chenpura Limestone Deposit with the production capacity of 2.502 Million TPA ROM

(Cement Grade Limestone: 0.876 Million TPA & Sub grade Limestone: 1.626 Million TPA), Soil/Alluvium: 0.048 Million TPA, Waste: 0.5 Million TPA; Total Excavation: 3.05 Million TPA along with 2 x 500 TPH Capacity of Crusher with Screening in the mine lease area of 206.354 ha, located at Village: Nayagaon, Tehsil: Jawad & Village: Chenpura, Tehsil: Neemuch, District: Neemuch, Madhya Pradesh. The mine lease area is located between Latitude 24° 31' 35.78" to 24° 34' 33.65" N and Longitude 74° 44' 53.91" to 74° 46' 27.65" E. The mine lease area falls under the Survey of India Toposheet No: G43U10, G43U11, G43U14, G43U15 and falls in Seismic Zone – II. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

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

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

Date of application	Proposal No	Consideration	Details	Date of accord
19.01.2021	IA/MP/MIN/193710/2021	27 th EAC meeting (non-coal mining) held during 3 rd - 5 th Feb, 2021	ToR accorded for both 1(a) Mining of Minerals and 2(b) Mineral Beneficiation with the production capacity of 2.502 Million TPA ROM (Cement Grade Limestone: 0.876 Million TPA & Sub grade Limestone: 1.626 Million TPA), Soil/Alluvium: 0.048 Million TPA, Waste: 0.5 Million TPA; Total Excavation: 3.05 Million TPA along with 2 x 500 TPH Capacity of Crusher with Screening in the mine lease area of 206.354ha	02.03.2021

4. Details of Mine lease:

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

5. Details of executed Mine leases.

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

6. Details of Mine Plan

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

7. The Project Proponent submitted that Mining operations will be carried out by fully mechanized opencast method. PP reported that total Geological Resources of Cement Grade Limestone is 29.067 Million Tonnes & Sub-grade Limestone is 105.275 Million Tonnes and Mineable Reserves of Cement Grade Limestone: 21.636 Million Tonnes Sub-grade Limestone: 79.71 Million Tonnes. Life of the mine will be 44 years. PP also reported that the total Excavated limestone is 8340 TPD. Peak Production and transportation per day will be 9591 TPD based on 15% increase in total production capacity. The proposed bench height will be 6 meters maximum and with working bench width of 10 meters. Overall pit Slope will be 45°. Drilling will be carried out by

compressed air fed wagon drills. Conventional blasting will be done using SME/ ANFO. Loading will be done by 3.9 cu. m bucket capacity of Hydraulic Excavators and transport of mineral will be done by dumper (55 Tonnes capacity) to crusher via haul road. Further crushed limestone to be transported to the existing interlinked Cement Plants located at Kailash Nagar, Tehsil: Nimbahera, District: Chittorgarh, Rajasthan and at Village: Mangrol, Tehsil: Nimbahera, District: Chittorgarh, Rajasthan through tippers (35 Tonnes capacity) via road (eastern side) adjacent to the Railway track nearby the NH-79. Capacity of Crusher is 2 x 500 TPH with Screening (In Phased Manner, initially 500 TPH will be installed and later on additional 500 TPH crusher will be installed) and proposed to be installed in southern block of Limestone mine. The limestone is utilized for cement manufacturing by dry process. There is no wet processing or beneficiation necessary to upgrade the limestone. The input size of the material being dumped in Crusher hopper is 1.2 X 1.2 X 1.2 Cu.m and the output size is 50 mm. A screen is installed at Crusher which screen out fine clay of -6 mm size and segregated by screen reject belt conveyor. The screen reject material is further used in haul road maintenance, levelling and balance reject material is being dumped in waste dumps. Total top soil to be generated during plan period will be 19865.10 Tonnes which will be used for plantation and green belt development simultaneously. During the plan period about 89580 CuM (0.12541 Million Tonnes) of soil/ alluvium will be generated which will be temporarily dumped in the western side of the proposed five year working area and these dumps will be re-handled and used for backfilling when the mineral will be exhausted in the working pit. At conceptual stage, total 0.35 million tonnes Top Soil, 1.86 million tonnes Soil/alluvium & 18.74 million tonnes of OB waste will be generated Which will be backfill & reclaimed by plantations.

8. The Project Proponent reported that the general ground level is 467 AMSL and Depth to water levels in pre-monsoon period ranges between 18 to 20m bgl while in post-monsoon season, it ranges between 16 to 18m bgl. Working Depth during Plan Period will be 448m AMSL (19 m bgl), Working Depth during Conceptual Period (Southern Block) will be 393 m AMSL (79 m bgl) and Working depth during Conceptual Period (Northern Block) will be 388m AMSL (84 m bgl). There will be ground water intersection. NOC from CGWA has been obtained vide NOC no CGWA/NOC/MIN/ORIG/2021/11940 dated 21.05.2021 and is valid for the period up to 20.05.2023.

9. Water requirement

Total water requirement	96.5 KLD (Fresh water – 92.5 KLD & Treated water – 4.0 KLD)	Wet Drilling, Crushing, Dust Suppression on haul roads and OB dumps	65.0 KLD
		Plantation and	20.0 KLD

		Greenbelt Development	
		HEMM Washing	5.0 KLD
		Drinking water & Domestic Purpose	2.5 KLD
Source	Ground Water		
Permission	NOC from CGWA has been obtained vide NOC no CGWA/NOC/MIN/ORIG/2021/11940 dated 21.05.2021 for abstraction of 147.50 m ³ /day of fresh water and is valid for the period up to 20.05.2023		
Additional information	Initially, during the plan period total fresh water 92.5 KLD water will be sourced from Ground Water after taking the prior approval from CGWA. Fifth year onwards, 2.5 KLD water for drinking & domestic purpose will be sourced from Ground Water while remaining 90 KLD water will be sourced from the mine sump. Waste water of 4 KLD from HEMM washing will be used for dust suppression in crushing after removal of oil & grease content.		

10. Land Area Breakup

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

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

Particulars	Details	Distance & Direction
Nearest Village	Habitation of Village Nayagaon	~130 m in North East direction
	Habitation of Village Chenpura	~ 200 m in South west Direction
	Habitation of Gandhi Colony	Adjacent in South East direction
Nearest Town/ City	Nimbahera	~ 7.0 km in North direction
Nearest Highway	NH-79	~200 m in NE direction
	NH-56	~7.5 km in WNW direction
Nearest Railway Station	Jawad Road Railway Station	~60 m in East direction
	Bisalwas Kalan Railway Station	~2.5 Km in SSE direction
Water Bodies	➤ There are two small seasonal nallas in the area with westerly flows. One is located in southern block trending NW-SE. Another one is located in the northern block trending east-west occurs in the northernmost part of the	

	<p>lease area, forming the boundary.</p> <ul style="list-style-type: none"> ➤ Both nallas have already deducted from the granted lease area. ➤ Daru Nadi (~2.5 Km in West direction) ➤ Nimbahera Nadi (~ 7.0 km in NW direction) ➤ Kadamali Nadi (~4.0 Km in WNW direction) ➤ Gambhir Nadi (~ 9.0 Km in ENE direction)
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12. 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	There is no forest land involved in mining lease area. There is no National Park, Wildlife Sanctuary, Biosphere Reserves, Tiger Reserves and Wildlife Corridors etc. within 10 km radius of the mining lease area. NOC for the same has been obtained from DFO, Neemuch vide letter no Maa. Chi/2021/3878 dated 11.08.2021 and from APCCF vide letter no F-1/Env/2021/2788 dated 16.08.2021.
National park	No	
Wildlife Sanctuary	No	
Details of Reserve Forest/ Protected Forest		
Name of Reserve Forest/ Protected Forest	Distance	Direction
Chaprol Bir Block	~7.0 Km	SSW
Motatonk PF	~8.0 Km	SW
Reserved Forest	~8.5 Km	South

Availability of Schedule-I species in study area – Available

If available - authenticated list of flora/fauna details

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	There are 4 Schedule I faunal species [<i>Indian Peafowl (Pavo cristatus)</i> , Monitor Lizard (<i>Varanus bengalensis</i>), Python (<i>Pythonidae</i>) and Leopard (<i>Panthera Pardus</i>)] recorded in the study area.
Authentication of Flora and Fauna	Yes	Authentication of flora & fauna along with conservation plan for schedule I species has been approved from DFO, Neemuch vide letter no Maa. Chi/2021/3880 dated 11.08.2021 and from CCF, Ujjain vide letter no Maa. Chi/2021/4967 dated 16.08.2021.

Wildlife Conservation Plan	Yes	Further Wildlife Conservation Plan has also been approved from Chief Wildlife Warden over an amount of Rs. 132 Lakh vide letter no WL/Maa. Chi/GEN-274/6096 dated 18.08.2021 for the period of 10 years.
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13. Green belt/plantation details

Proposed area for green belt/plantation	80.03 ha
Budget for green plant & plantation till the end of life of mine.	Capital Cost Rs. 4.0 Crore & Recurring Cost: Rs. 48 Lakh
Budget for nursery	Nil
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	Greenbelt will be developed covering 11.0 ha area along the 7.5m of the lease periphery. Out of the 11.0 ha area 4.0 ha area will be covered in Southern part of the lease area during first years. Rest 7.0 ha area will be covered in Middle and Northern part of the lease area in 2nd year. Plantation along the 7.5m safety zone of road, nalla and habitation will be carried out covering 4.0 ha area within 3rd year
50 m safety zone of nallah, roads, electric lines	
50 m safety zones of nearest habitation villages	
Backfilled area	Plantation & re-grassing will be carried out on 44.50 ha of backfilled area.
Bench Plantation	Bench plantation will be developed over an area of 20.53 ha
Proposed Plantation during Plan period	An area of 15ha will be covered with 37,500 no.s of saplings and Survival rate will be maintained at 90%. Species proposed to be planted are <i>Aegle marmelos</i> , <i>Albizia lebbeck</i> , <i>Azadirachta indica</i> , <i>Bauhinia racemosa</i> , <i>Cassia fistula</i> , <i>Dalbergia sissoo</i> , <i>Ficus religiosa</i> , <i>Mangifera indica</i> , <i>Ailanthus excels</i> , <i>Madhuca indica</i> , <i>Tamarindus indica</i> etc. An budget of Rs 75 Lakhs (Capital cost) and Rs 9 Lakhs (Recurring) towards development of greenbelt during plan period.

14. Baseline details

The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Post Monsoon season. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water for the month of October to December, 2020 have been

reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)					
Period of baseline data collection			October to December, 2020		
Season (Summer / Pre-monsoon / Post-monsoon / Winter)			Post Monsoon		
Period	Results of Baseline monitoring				
AAQ parameters at 10 locations	Pollutant	Min, µg/m ³	Max, µg/m ³	98 %ile, µg/m ³	Standard, µg/m ³
	PM2.5	28.9	55.8	55.2	60
	PM10	58.4	93.2	92.0	100
	SO2	5.7	13.5	13.4	80
	NOx	13.4	28.9	28.6	80
AAQ modelling (Incremental GLC)	Pollutant	Baseline Concentration, µg/m ³	Incremental Concentration, µg/m ³	Total GLC, µg/m ³	Standard
	PM2.5	38.3	1.3	39.6	60
	PM10	73.7	2.8	76.5	100
	SO2	13.0	1.5	14.5	80
	NOx	20.8	1.7	22.5	80
Noise level at 10 locations	Day Time: 51.7 to 59.1 Leq dB (A) Night Time: 40.8 to 47.7 Leq dB (A)				
Ground water quality at 8 locations	pH varied from 7.12 to 7.84, Total hardness varied from 210 mg/l to 534.6 mg/l Total dissolved solids varied from 440 mg/l to 834 mg/l. The water samples contain, chloride from 94.9 to 167.4 mg/l, SO4 varied from 30.2 to 132.5 mg/l, Ca from 40.08 to 120.07 mg/l and Mg varied from 14.58 to 56.5 mg/l. Overall quality of water found to be potable. The villagers use ground water for drinking purposes and also rain water stored in small tanks, village ponds etc.,				
Soil quality at 8 locations	The soil samples exhibit brown and blackish which indicates good fertility and presence of organic matter (0.72% to 1.49%) and organic carbon (0.42% to 0.87) observed to be appropriate for the plant growth. The texture of the soil sample found to be sandy loam. All soil samples have slightly alkaline having pH ranging from 6.75 to 8.87 which is an optimal range for most the plant to thrive and grow.				

15. Public Hearing (PH) Details

Advertisement for PH with date	"Dainik Bhaskar and Times of India" on 13.06.2021
Date of PH	15.07.2021
Venue	Govt. Primary school, Village-Chenpura Mine, Tehsil & District-Neemuch (M.P.)

Chaired by	1. Chairperson: Shri S. R Nayar, Additional District Magistrate, Neemuch. 2. Officers: Shri H.K Tiwari, Regional Officer, Madhya Pradesh Pollution Control Board
Main issues raised during PH	Education, Employment, land compensation, Health and Medical facilities, Livelihood, Skill development, water facilities, Environment pollution, Plantation and poor infrastructure etc.
Budget proposed for addressing issues raised during PH	Rs. 2.67 Crore

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

17. Court case details

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

Affidavit in a Non-Judicial Stamp paper of Rs 100 bearing AW 722631 dated 18.01.2021	The Company 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.
PP submitted an undertaking dated 26.08.2021	The conditions laid down in Terms of Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/7/2021-IA.II (M) dated 02.03.2021 have been complied with, and the data submitted and information presented in this report are factually correct.
Consultant submitted an Undertaking	The conditions laid down in Terms of

dated 10.08.2021	Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/7/2021-IA.II (M) dated 02.03.2021 have been complied as per data/details provided by Project Proponent & as per Approved Scheme of Mining approved by IBM, Ajmer and the data submitted are factually correct.
Plagiarism Certificate checked on 10.08.2021	The Head of the Accredited Consultant Organization/ Authorized person certified that this EIA Report has been evaluated by using online in house software viz. small tools https://smalltools.com/plagiarism-checker/ . The report produced has been analyzed by the system and based on it, I certify that the EIA Report produce in accordance with good scientific practice.

19. Details of the EMP

S. No	Particulars	Capital Cost (Rs. In Lacs)	Recurring Cost/ Annum (Rs. In Lacs)
1	One no of high-efficiency nozzle mounted water tanker for water sprinkling on haul roads.	35	5
2	Plantation on 7.5 mtr of periphery of mining lease area and road, Nallah etc. (15 ha) will be done in initial three year of plan period @ 2500 plants per ha (37500 nos.)	75	9
3	Plantation will be done till the end of mine life 162575 nos of plant in 65.03 ha.	325.15	39
4	01 nos. of Continuous Ambient Air Quality Monitoring Station at Mine office for the measurement of air quality for PM10, PM2.5, SO2, NOx and CO and real time data connectivity with CPCB/SRPCB server	50	4
5	Emission Monitoring of air quality, water quality and Noise by NABL accredited laboratory on quarterly basis. (Rs. 50000/- quarterly)	0	2
6	Peak Particle Velocity monitoring (Vibration monitoring)	3.5	0.5
7	Installation of 1 nos of piezometer along the periphery.	0.5	0.2
9	Installation of Water Sprinkler system	1.5	0.25
10	01 no of Rainwater Harvesting structure	10.5	2.5
11	Strengthening of road from mine face to highway	10	0.5
12	Construction of garland drain (total length 681 mtr (1.5m (width) and 1.0m (depth)) and de-silting pit / settling pond for two nos. of dump (soil & subgrade) and Catch drain	2	0.5

	along the lease periphery (total length 11 km, 1.5m (width) and 1.0m (depth))		
13	Construction of septic tank & soak pit or Modular STP for office utility	1	0
14	Roof top rainwater harvesting for mine office	2	0.2
15	4 nos. of Bag-filter for crusher system& dry-fog system	50	5
16	Public Hearing Action Plan for three year	267	18
17	Wildlife Conservation Plan (for 6 Schedule-I species) for ten year	132	
Total		965.15	86.65

20. Details of project cost and employment:

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

21. Observation and Recommendation of the Committee:

The Proposal for Environmental Clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the railway line is running parallel to 30-60m away from mine lease area. The Committee also noted that the following villages Nayagaon (~130 m, NE), Chenpura (~200 m, SW), Gandhi Colony (adjacent to SE) and School ((~100 m, W) are located in the vicinity of the mine lease area. Therefore, the Committee **deferred** the proposal for want of following additional information: -

- i. Since the Drilling and Blasting activities are proposed in mining operations, the Project Proponent should obtain the NOC from Railway Department for mining within 100m.
- ii. The Project Proponent shall submit the measures taken for strengthening of mine pit and protection of railway line which is running parallelly along the mine lease.
- iii. As the drilling & blasting activity is proposed and the railway line is passing parallelly the lease boundary, the Project Proponent should carry out the scientific study from CIMFR or any other recognized institution of repute which is approved for carrying out such studies. The study should be clearly

demonstrated that whether there are any adverse impacts and it can be controlled by adopting mitigative measures or not?

- iv. The Project Proponent should explore the possibility of shifting the crusher to other location.
- v. The Project Proponent should revisit the data submitted on noise level monitoring. The average data should be taken for every 15 minutes interval instead of 60 minutes interval in view of the sensitivity of the railway line passing parallelly the lease boundary
- vi. The Project Proponent shall submit the quantity to be handled annually of top soil and sub soil/ alluvium and the same should be reflected in total excavation. Utilization and management practices of the same to be adopted shall be submitted.
- vii. The Project Proponent shall adopt the water softening techniques. The water facility should be provided throughout the year to the villagers instead of summer season only.

3.2 Proposal for Terms of Reference of M/s Tejaswini Granites for Jakara Decorative stone mine for a production of 7000 cu.m/annum in the mine lease area of 22.675 ha located in Village Jakara Under Rayagada Tahasil of Gajapati District, Odisha – [File. No: IA-J-11015/64/2021-IA-II(NCM), Proposal No: IA/OR/MIN/227231/2021] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of M/s Tejaswini Granites is for grant of Terms of Reference for Jakara Decorative stone mine for a production of 7000 cu.m/annum in the mine lease area of 22.675 ha located in Village Jakara Under Rayagada Tahasil of Gajapati District, Odisha. The mine lease area is located between Latitude 18°51'49.5"N – 18°52'09.4"N and Longitude 84°20'00.0"E-84°22'25.5"E. The mine lease area falls under the Survey of India Toposheet No E 45 G 5.

2. M/s Tejaswini Granites has made an online application vide vide proposal no: IA/OR/MIN/227231/2021 dated 01.09.2021 and submitted Form1 and Prefeasibility report under the provisions of the EIA Notification, 2006 for the project mentioned above. PP submitted that the proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the Interstate Boundary of Odisha-

Andhra Pradesh is located at a distance of 0.185 Km from the mining lease area and appraised at the Central level.

3. The Project Proponent submitted that Department of Steel & Mines, Govt., of Odisha issued the Terms and Conditions vide Letter No 7610/IV (DS) SM-05/2019/SM, Bhubaneswar dated 04.10.2019 for a period of 30 years.

4. Observation and Recommendation of the Committee:

The Proposal for Terms of Reference was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. The Member Secretary informed the Committee that the Consultant, CEMC Pvt. Ltd on behalf of the Project Proponent vide email dated 15.09.2021 requested for deferment of the proposal. The Member Secretary also informed the Committee that PP submitted that instant proposal is located between the Interstate Boundary of Odisha-Andhra Pradesh at a distance of 0.185 Km from the mining lease area. As per the Ministry's Notification S.O 3977 (E) dated 14.08.2018, the General Conditions shall not apply for project or activity of mining of minor minerals of Category 'B2' (up to 25 ha of mining lease area) and the proposal falls under Category B2 as the mine lease area is > 5 ha and < 25 ha i.e., 22.675 ha. Therefore, the Committee recommended to **transfer the proposal** to State Level Impact Assessment Authority (SEIAA), Odisha.

3.3 Proposal for Terms of Reference of M/s RCCPL Private Limited for Sugrathi Limestone Deposit with proposed maximum production of Limestone 4.0 million TPA and Shale 0.42 million TPA along with the crusher of 1400 TPH in the mine lease area of 599.1935 ha located at Village- Kumarla, Arah, Kandal and Gijarta Tehsil- Nerwa (earlier Chopal), District- Shimla, Himachal Pradesh – [File. No: IA-J-11015/65/2021-IA-II(NCM), Proposal No: IA/HP/MIN/227150/2021, Consultant: Perfect Enviro Solutions Pvt. Ltd] - Terms of Reference (ToR)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of M/s RCCPL Private Limited is for grant of Terms of Reference for Sugrathi Limestone Deposit with proposed maximum production of Limestone 4.0 million TPA and Shale 0.42 million TPA along with the crusher of 1400 TPH in the mine lease area of 599.1935 ha located at Village- Kumarla, Arah, Kandal and Gijarta Tehsil- Nerwa (earlier Chopal), District- Shimla, Himachal Pradesh. The mine lease area is located between Latitude 30°52'13.70"N to 30°53'56.20"N and longitude 77°43'44.50"E to 77°45'51.30"E. The mine lease area falls under the Survey of India Toposheet no:

53F/9 and 53F/13 and falls in Seismic Zone – IV. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

2. M/s RCCPL Private Limited has made an online application vide proposal no: IA/HP/MIN/227150/2021 dated 31.08.2021 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 and falls under Category “A” as the mining lease area is greater than 100 ha and appraised at the Central level. PP also submitted that Interstate boundary of Himachal Pradesh-Uttarakhand is located at a distance of 0.039 Km, SE from the mine lease area.

3. The Project Proponent submitted that Letter of Intent issued by Geological Wing of Department of Industries, Govt. of Himachal Pradesh vide Udyog-Bhu (Khani-4) Major-381/2016-8295 dated 20.01.2021 for mining lease for extraction of Limestone and Shale mineral for setting up of Cement Plant for manufacturing of cement from the area 599.1935ha (578.0416ha is Govt land & 21.1519ha Private land) and Letter of Intent is valid for a period of 3 years only. Mining lease grant order issued by Geological Wing of Department of Industries, Govt. of Himachal Pradesh vide letter no Udyog-Bhu (Khani-4) Major-381/2016-Vol-I-10708 dated 23.03.2021 for mining lease for extraction of Limestone and Shale mineral for setting up of Cement Plant for manufacturing of cement from the area 599.1935ha (578.0416ha is Govt land & 21.1519ha Private land).

4. The Project Proponent submitted that Mining Plan has been submitted to the Regional Controller of Mines, IBM, Dehradun for approval vide Lr No Ref:RCCPL/HP/2021 dated 25.03.2021.

5. The Project Proponent submitted that mining will be carried out opencast mechanized method mining with drilling and blasting. The proposed bench height 8m (avg) and bench width varying from 10m to 30m. Individual bench slope will be 80° and Ultimate pit slope will be less than 45°. Blasted material will be loaded with hydraulic shovels and 60 Tons dumpers and transported to the crusher hopper situated at the southern periphery of the lease area. Limestone is crushed through a crusher of 1400 TPH and transported to the proposed cement plant which will be installed at about 10 Km from the mining lease for manufacturing of cement. There is no Waste/OB/IB generation as the entire area is mineralized. The Soil is available in small quantities in isolated patches, which will be mined along with limestone and stacked separately and further it will be used for plantation. At the end of lease period out of total lease area 599.1935 ha, 356.4650 ha land will be used for mining, 9.0140 ha will be utilized for roads, 0.2469 ha area for infrastructure, 0.1985 ha for nallah/drain and 45.8610 ha area for plantation at the end of life of mine. Rest of the area 187.4081 ha will not be

disturbed. Mining will be done on a hill slope. RL of highest point of excavation will be 2650 m and lowest will be 1800 m respectively. Mine working will not go below 1800 mRL.

6. Water requirement

Total water requirement	387.0 KLD	Sprinkling	330.0 KLD
		Plantation	43.0 KLD
		Drinking & Domestic	9.0 KLD
		Workshop	5.0 KLD
Source	Streams Gurti Gad & Shalon Gad		

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

Particulars	Details	Distance & Direction
Nearest Town/ City	Nerwa	8.86 km, NW
Nearest Highway	State Highway No. 8	0.60 Km, WSW
	National Highway -72	2.97 Km, South
Nearest waterbody	Gurti Khad	Adjacent to Lease Boundary NW
	Ali Gad-	m, SSE

8. The Project Proponent submitted that total mine lease area is 599.1935ha out of which 578.0416ha is Govt land and 21.1519ha Private land. As per State Government order dated 25.02.1952, all the government land will be treated as forest land. Therefore Government land of 578.0416 ha will be treated as forest land for which forest clearance will be required. PP submitted that application for Forest Clearance yet to be submitted. PP also submitted that ESZ of Talra Wild Life Sanctuary is located at a distance of 5.78 Km, North from the mine lease area and Talra Wild Life Sanctuary is located at a distance of 7.19 Km, North from the mine lease area. PP reported that the nearest Reserve Forest located from the mine lease area is Baug Protected Forest-1.77 Km, NE.

9. The Project Proponent submitted that about 9.39ha area will be covered by plantation along the village habitation, along road, lease boundary, infrastructures etc during the first five year of plan period with 14,085 no.s of saplings. PP earmarked a budget of Rs 74.65 Lakhs towards during Greenbelt/Plantation during the first five year of plan period. In addition to 9.39 ha, 36.471 ha will also be converted into green belt at the end of the lease period. Besides, the entire mined-out area of 356.4650 ha will be reclaimed and afforested at the end of mining. PP also submitted that Plantation will be done as per the CPCB guidelines and IBM approved mining plan. Local forest department shall also be consulted for finalization of plant species.

10. The Project Proponent submitted that four (4) villages are located in the proposed mining area, therefore detailed R&R plan shall be prepared for the affected

villagers as well as for the dwelling houses falling with mining area / mining lease area under HP Right to Fair compensation and transparency in Land Acquisition, Rehabilitation and Resettlement Rules 2015 (RFCTLARR Rules 2015).

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

12. Details of project cost and employment:

Particulars	Budget (Rs. In Crore)
Project Cost	217.11
Employment	170 Persons

13. Observation and Recommendation of the Committee:

The Proposal for Terms of Reference was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the proposed mine is located in Hilly terrain of Shimla District in Himanchal Pradesh with an elevation ranging from 2650m MSL to 1259m MSL and as per the submission of PP, mine lease area is in pristine forest land (out of total mine lease area of 599.1935ha, forest land is 578.0416ha) hence, attracts high environmental sensitivity. The Committee also noted that the proposed production of Limestone is 4.0 million TPA and Shale is 0.42 million TPA with a life of mine for 93 years; Mine is on the slope starting from first five years from 2650m MSL and later to 1250m MSL at conceptual stage and the removal of the soil causes ecological damage. Therefore, the Committee **deferred** the proposal for want of following additional information: -

- i. The Project Proponent should submit the detailed report on Slope stability of rock considering following factors such as the angle of the slope, the strength of the rock material, planes of weakness on the rock and composition of structure of rocks etc.,
- ii. The Project Proponent should carry out cost benefit analysis for Ecosystem loss vs. Mineral gain as the proposed mining is captive.
- iii. The Project Proponent needs to submit the approved mining plan from IBM. Mining Plan should delineate criticality mining methodology to be adopted on slopes as well measures required for environmental protection.
- iv. The Project Proponent needs to submit the transport plan for movement of Mineral from mine lease area to Cement plant. PP should explore the possibility for the use of conveyor system of transportation.

Minutes for 37th EAC Meeting (Non-Coal Mining) held during 15th – 17th September, 2021.

- v. The Project Proponent should submit the proof of submission of application for Stage-I Forest Clearance and accordingly needs to revise the Form1.
- vi. The Project Proponent needs to revise the prefeasibility report as per Guidelines of MoEF published vide MoEF No. J-11013/41/2006-IA.II(I) dated 30.12.2010.
- vii. The Project Proponent submitted that Letter of Intent issued by Geological Wing of Department of Industries, Govt. of Himachal Pradesh vide Udyog-Bhu (Khani-4) Major-381/2016-8295 dated 20.01.2021 and Mining lease grant order issued by Geological Wing of Department of Industries, Govt. of Himachal Pradesh vide letter no Udyog-Bhu (Khani-4) Major-381/2016-Vol-I-10708 dated 23.03.2021. As per the sub section (4) of the section 4A of MMDR Act,1957 as amended on 28.03.2021 *“where the Central Government has communicated previous approval as required under sub-section (1) of section 5 for grant of a mining lease, or if a letter of intent (by whatever name called) has been issued by the State Government to grant a mining lease, before the commencement of the Mines and Minerals (Development and Regulation) Amendment Act, 2015, the mining lease shall be granted subject to fulfilment of the conditions of the previous approval or of the letter of intent within a period of two years from the date of commencement of the said Act”*. Hence, PP needs to submit the letter regarding current status of the mine lease from the State Government.
- viii. A Sub-Committee of the EAC (Non-Coal Mining Sector) comprising members of EAC and an expert of Ecologist, Geologist, Socio Economist and Wild Life Specialist shall carry out site visit to assess the current environmental and ecological status. The field visit report to be reviewed by the EAC.

3.4 Proposal for Environmental Clearance of M/s Starnet Marketing Private Limited for Stone mining with proposed production capacity of 495285.12 TPA in the mine lease area 8.397 Ha along with crusher 2 x 50TPH located at Village Madurna, Tehsil- Chainpur, District Kaimur, Bihar – [File No: IA-J-11015/63/2019-IA-II(M) Proposal No: IA/BR/MIN/109225/2019, Consultant: Centre for Envotech & Management Consultancy Pvt. Ltd] - Environmental Clearance (EC)

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The Proposal of M/s Starnet Marketing Private Limited is for grant of Environmental Clearance for proposed production capacity of 495285.12 TPA (ROM)

along with crusher 2 x 50TPH in the mine lease area of 8.397 Ha, located at Village Madurna, Tehsil- Chainpur, District Kaimur, Bihar. The mine lease area located between Latitude 25°01'34.30"N to 25°01'46.8"N and Longitude 83°28'48.80"E to 83°29'02.7"E. The mine lease area falls in the Survey of India Topo-Sheet No. 63 O/8 and falls in Seismic Zone-III. The PP presented the KML file during the presentation to indicate the location of mine lease on Google Earth/DSS.

2. M/s Starnet Marketing Private Limited has made an online application vide proposal no: IA/BR/MIN/109225/2019 dated 09.12.2020 and submitted Form2 and EIA report under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the general condition is applicable for the project as the mining lease area is located at a distance of 4.8km from Kaimur Wildlife sanctuary and appraised at the Central level.

3. The proposal was earlier considered in 25th EAC meeting held during 22-24th December, 2020. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, the Committee deferred the proposal and was of the view that the proposal may be considered after submission of the information. PP submitted the information on 03.08.2021 in Parivesh Portal. Then, again the proposal was considered in the 35th EAC (Non-Coal Mining) meeting held during 16th – 19th August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the instant proposal is for grant of Environmental Clearance for Stone mining which is a Minor Mineral and District Survey Report (DSR) is mandatory as per Ministry's Notification S.O. 3611(E) dated 25.07.2018 and the same has not been submitted by the PP. Therefore, the Committee deferred the proposal and was of the view that the proposal may be considered only after the submission of the District Survey Report as per Ministry's Notification S.O. 3611(E) dated 25.07.2018. PP submitted the District Survey Report dated 13.10.2018 as per Ministry's Notification S.O. 3611(E) dated 25.07.2018 as sought in the 35th EAC (Non-Coal Mining) meeting held during 16th – 19th August, 2021 on 03.09.2021 in Parivesh portal.

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

Date of application	Proposal No	Consideration	Details	Date of accord
27.12.2019	IA/BR/MIN/109225/2019	30 th -31 st January, 2020 and 22 nd -24 th June, 2020	For production of 495285.12 TPA Stone (ROM) in the mine lease area 8.397 Ha	09.07.2020

5. Details of Mine lease:

S.no	Letter of Intent	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Letter of Intent vide Lr 1033/ Khanan	26.07.2016	Stone mining	Time period of 120 days was given for submission of certain documents within 120 days.	Govt., of Bihar	20.75 Acre (8.397 Ha) for stone mining

6. Details of Mine Plan

S.no	Mining Plan along with the Conceptual Plan Approved By	Letter no	Dated of Approval	For period a	Details
1	Under Secretary, Department of Mines and Geology, Bihar	Minor mine (stone) -22/16-2857/M.,	22.09.2017	5 years	8.397 Ha, Stone mine

7. The Project Proponent submitted that the method of mining will be opencast semi mechanized mine with drilling & blasting. The operation involves only the excavation of Stone in its existing form and transported to the end users/ market. PP reported that the Geological Reserves is 4.76 MT and Mineable reserve is 3.17 MT. Life of the mine will be 5 years. The benching system of 3m x 3m will be practiced in this planned period in order to comply with the provisions of Metalliferous Mines Regulations, 1961. The mine workings will be started from the northern tip part of the lease area with an appropriate haul road and further extend towards the south. Gradually heightening happened from south to north and to attain the elevation range of about 160m AMSL. Development through years will reduce the elevation range of the hill from 160m AMSL to about the average ground level. Transportation of minerals will be done by road using 4 no of Tippers of 20 Tonnes capacity. The ROM size of stone shall be of 700 to 800mm in size. The mined-out Stone is directly used in different forms ranging from boulders to aggregates. From crusher, ballast or aggregate will be produced as per requirement. However, some quantity of fines shall also be generated which also have market value. The proposed crushing units will be of 50 TPH capacities each and shall be installed on the western part of the ML area. The normal product shall be of +12mm size. During the 5year plan period, total waste generation will be 4,12,398.28 cu.m which includes a top

soil of around 65276.20 cu.m and remaining 3,47,122.07 cu.m as stony mix material will be generated during mining activities. While the top soil and recovered soil material will be spreaded over the safety zone for plantation purpose, the remaining wastes will be dumped in the earmarked Space. After completion of mining the outer periphery of mining pit shall be fenced. All quantities of Stone to be exploited shall be used for making aggregates. Therefore, it is not possible to rehabilitate the mined-out benches. The mined-out pit shall remain open & rain water will accumulate in the pits. A water body in the area will be boon to local people for improving their life style. There is already excavated pit in the lease area, wherein PP submitted letter no 980 dated 23.06.2020 issued by Mining department wherein it has been mentioned the mining was done by previous lease holder and not by the current Lol holder. PP reported that the depth of water level is around 6m bgl during post monsoon and below 12m bgl during pre-monsoon and the lease area situated at much higher elevation. Mining will be done up to 160mRL to 88mRL. Hence, the proposed mining will not intersect the ground water level.

8. Water requirement

Total water requirement	8.3 KLD	Dust Suppression	5.0 KLD
		Green belt	3.0 KLD
		Domestic	0.3 KLD
Source	Tankers and the available nearby sources		

9. The Project Proponent submitted it is proposed to plant of local trees per year as per consultation with local authorities. Density of plant will be 2500 plants per hectare. Native species will be planted during plan period. The safety zone plantation will be 0.897ha. PP earmarked budget of Rs 2.0 Lakhs towards development of greenbelt/plantation.

10. The Project Proponent submitted that there is no forest land involved in the lease area. PP submitted the letter issued vide letter No. 892 dated 19.03.2020 by DFO, Kaimoor Forest Division, Bhabhua stating that the said mining lease area is at a distance of 4.8km from Kaimur Wildlife sanctuary and 3.2km from the Reserved Forest. With respect to applicability of NBWL Clearance, PP submitted that the mine lease area (Latitude 25° 1 '34.33"N & Longitude 83°28'52.SO"E) is outside the Eco-Sensitive Zone of the Kaimur Wildlife Sanctuary as per the notification S.O. 3549(E) dated 30th December 2015.

11. The Project Proponent reported that Three Schedule I Species such as Indian Leopards, Peafowl and Four-Horned Antelope were found in the study area. PP submitted the Species-Specific Conservation Plan in addition to the Conservation plan approved by Addl. Principal Chief Conservator of Forests cum Chief Wildlife Warden,

Bihar vide Lr No. Wildlife-299 dated 02.07.2021 with a total budget of Rs 1.0 Cr (Rs 85 Lakhs + Rs 15 Lakhs).

12. The Project Proponent submitted the copy of District Survey Report.

13. The Project Proponent submitted the Cluster Certificate vide Letter No. 344/Khanan, Kaimur dated 05.03.2020 issued by District Mining Office, Kaimur (Bhabhua) wherein it has been mentioned that there is no other mining lease within 500 meters of the said mining lease.

14. 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 2019 to February 2020 have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Period					
AAQ parameters at 7 locations	Pollutant	Min, $\mu\text{g}/\text{m}^3$	Max, $\mu\text{g}/\text{m}^3$	98 %ile, $\mu\text{g}/\text{m}^3$	Standard, $\mu\text{g}/\text{m}^3$
	PM2.5	25.7	47.6	46.7	60
	PM10	51.2	74.6	73.7	100
	SO ₂	9.1	18.9	18.9	80
	NO _x	19.8	28.6	28.6	80
AAQ modelling (Incremental GLC)	Pollutant	Baseline Concentration, $\mu\text{g}/\text{m}^3$	Incremental Concentration, $\mu\text{g}/\text{m}^3$	Total GLC, $\mu\text{g}/\text{m}^3$	Standard
	PM2.5	-	-	-	60
	PM10	74.6	7.0	81.6	100
	SO ₂	18.9	1.4	20.3	80
	NO _x	28.6	11.9	40.5	80
Noise level at 7 locations	Day Time: 45.7 to 53.2 Leq dB (A) Night Time: 31.3 to 43.8 Leq dB (A)				
Ground water quality at 3 locations	PP submitted that the analysis results indicate that the pH varied from 7.21 to 7.79, TDS 1088.0 to 1224 mg/l, Total hardness ranged from 625.5 to 812.9mg/l, Total Alkalinity varied from 541.6 to 675.0 mg/l. Chlorides, Sulphates, Iron and Nitrate observed to be well within the limits of Drinking Water Standards/Limit (IS:10500 2012).				
Surface water quality at 2 locations	PP submitted that Surface water quality of both the ponds was found to meet the Best Designated Use (BDU) Criteria of CPCB. No metallic contamination was found in surface water samples.				
Traffic study	PP submitted that Traffic density measurement were made continuously for 24 hours by visual observation and counting of vehicles under three categories, viz., heavy motor vehicles, light				

	motor vehicles and two/three wheelers. From the analysis it is observed that the minimal Transportation load on SH-14 will increase and LOS for SH- 14 will remain B (Very good) even after the start of mining operation.
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15. Public Hearing (PH) Details

Advertisement for PH with date	11.09.2020 in newspapers – Prabhat Khabar, Hindustan, Hindustan Times and Times of India.
Date of PH	20.10.2020
Venue	Block Office Chainpur, District- Kaimur, Bihar
Chaired by	Additional Collector cum District Public Grievance officer- Kaimur (Bhabhua) – Dr. Sanjay Kumar (Nominated by District Collector-Kaimur).
Main issues raised during PH	Employment, Dust suppression
Budget proposed for addressing issues raised during PH	Rs 15 Lakhs

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

Sl. No.	Activity	1 st year (Lakh)	2 nd year (Lakh)	3 rd year (Lakh)	Total (Lakh)
	Provide drinking water facility in surrounding village				
1	Construction of 2 nos. Borewell with overhead tank in Madurna Village, Kaimur	2.0	-	-	4.0
	Construction of 2 nos. Borewell with overhead tank in Chainpur Village, Kaimur	-	2.0	-	
2	Repair & Maintenance of village roads	2.0	1.0	-	3.0
3	Medical camp for villagers	1.0	0.5	0.5	2.0
4	Plantation in community areas	1.5	0.5	0.5	2.5
5	Recreation & Other sports activities	0.5	0.5	-	1.0
6	Digital class room in village school along	2.5	-	-	2.5

	with Wi-Fi. (Little Angles Public School, Chainpur and Nadana School)				
	Total				15.0

17. The Project Proponent submitted that there shall not be any displacement of people due to project; hence no R&R plan is required. There is no Land acquisition involved in this project.

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

19. The Project Proponent has given declaration vide letter dated 10.11.2020 that, the report for the project “Stone Mining project at Village – Madurna, Thana: Bhabua, District – Kaimur, (Bihar) (Area: 8.397 Ha) Production: 495285.12 TPA has been prepared as per the EIA Notification, 2006 and its amendments by the NABET Accredited EIA Consultant Centre for Envotech & Management Consultancy Private Limited. The Head of the Accredited Consultant Organization also given declaration that the experts mentioned in the EIA report has prepared the EIA report of Stone Mining Project at Village - Madurna, Thana: Bhabua, District - Kaimur, (Bihar) of M/S Starnet Marketing Pvt. Limited and also confirm that Accredited Consultant Organization shall be fully accountable for any misleading information mentioned in this statement.

20. Details of the EMP

Activities	Capital Cost (Rs.In Lakhs)	Recurring (Rs. In Lakhs)
Air pollution control	20.0	6.5
Water pollution control	4.0	2.0
Noise pollution control	5.0	3.5
Monitoring schedule	-	3.0
Total	29.0	15.0

21. Details of project cost and employment:

Particulars	Budget
Budget for addressing the Public Hearing issues	Rs. 15.0 Lakhs
Total Cost for EMP	Rs. 29.0 Lakhs
Recurring Cost for EMP	Rs. 15.0 Lakhs
Project Cost	Rs. 5.5 Crore
Employment	38 persons

22. Observation and Recommendation of the Committee:

The Proposal for Environmental Clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. The committee discussed on DSR as follows:

- Ministry issued Notification S.O. 141 (E) dated 15th January, 2016, which stipulates the constitution of the District Environment Impact Assessment Authority (DEIAA) for matters falling under Category 'B2' for mining of minor minerals. In the Notification the concept of DSR had been introduced and prescribed the procedure for preparation of District Survey Report for Sand Mining or River Bed Mining and Mining of other Minor Minerals and approval from the DEIAA.
- Ministry in 2016 issued Sustainable Sand Mining Management Guidelines, 2016 which *inter-alia* focus on preparation of District Survey Report.
- Ministry then issued Notification S.O No. 3611 (E) dated 25th July, 2018 wherein a detailed procedure for preparation of district survey report for sand mining or river bed mining as well as procedure for preparation of district survey report of minor minerals other than sand mining or river bed mining has been mentioned.
- The Notification S.O. 141 (E) dated 15th January, 2016 has been challenged before Hon'ble Tribunal in the matter of Original Application No. 186 of 2016 titled as Satendra Pandey vs Ministry of Environment, Forest and Climate Change wherein, Hon'ble Tribunal directed that:- *The MoEF&CC shall, therefore, take appropriate steps to revise the procedure laid down in the impugned Notification dated 15th January, 2016 in terms of the above directions and observations so that it is conformity with the letter and spirit of the directions passed by the Hon'ble Supreme Court in Deepak Kumar (supra).*
- In pursuance to the order dated 13.09.2018 and 11.12.2018 passed by the Hon'ble Tribunal, Ministry has undergone to challenge the above mentioned orders by way of a Civil Appeal before Hon'ble Apex Court in the matter titled "*Union of India Vs Rajiv Suri*" having Civil Appeal No. 3799-3800 of 2019 and the case is sub-judice as of now.
- Ministry in compliance of direction passed by Hon'ble National Green Tribunal in its order dated 04.09.2018 in *Original Application No. 173/2018 in the matter of Sudarsan Das vs. State of West Bengal &Ors*, the answering respondent has

formulated the new guidelines i.e. “Enforcement & Monitoring Guidelines for Sand Mining” (EMGSM-2020) supplemental to the existing guidelines i.e. Sustainable Sand Management Guidelines 2016 (SSMG-2016).

- Thereafter, the e-auction of 14 sand Ghats in District Banka, Bihar in the absence of a District Survey Report (DSR) was challenged in the matter of Pawan Kumar versus State of Bihar & Ors having Original Application No. 40/2020/EZ before the Hon’ble National Green Tribunal Principal Bench, New Delhi. The matter was disposed of vide order dated 14.10.2020 with the following direction: -

102. *In the result, we allow the applications and hold that:*

- a) *DSR 2018 cannot be considered as a final DSR and is only an Interim report.*
- b) *The DSR 2019 incorporating the 14 Sand Ghats also cannot be considered as a final DSR and is hereby quashed.*
- c) *All actions taken pursuant to DSR 2018 and DSR 2019 referred to in (a) and (b) above are hereby held to be void and a nullity.*

103. *In the light of the above findings, we direct as follows:*

- a) *Having regard to the findings at (a), (b) and (c) above, we direct the State to undertake further exercise for preparation of a fresh DSR for the Banka district.*
-
- b) *As the DEIAA is not functioning as a consequence of the decision of the Tribunal in Satendra Pandey (supra), the DSR shall be prepared through a consultant(s) accredited by the National Accreditation Board of Education and Training/ Quality Control Council of India in terms of O.M. of MoEF&CC dated 16.03.2010.*
- c) *The DSR so prepared shall be submitted to the District Magistrate who shall verify the DSR only in respect of the relevant facts pertaining to the physical and geographical features of the district which shall be distinct from the scientific findings based on the parameters prescribed in the SSMMG- 89 2016. After such verification, the District Magistrate shall forward the DSR for examination and evaluation by the State Expert Appraisal Committee (SEAC) having regard to the fact that the SEIAA comprises of technical/scientific experts. The SEAC after appraisal of the report shall forward it to the SEIAA for consideration and approval if it meets all scientific/technical requirements.*

- d) *While preparing the DSR, the MoEF&CC Accredited Agency/Consultant shall scrupulously follow the procedure and the parameters laid down under the SSMMG-2016 and EMGSM-2020 read in sync with each other.*
- Further, in another matter i.e Original Application no. 360 of 2015 titled as NGT Bar Association versus Virender Singh (State of Gujarat), vide order dated 26.02.2021 in para no.14 held that :-
14. Considering the above, vide order dated 04.11.2020 in O.A. No. 726 of 2018, *Rupesh Pethe v. State of M.P. & Ors.*, the Tribunal directed that the above direction ought to be followed pan India, as follows: -
5. *The above direction may be followed by the State of MP also for the sake of uniformity.*
.....
6. *We are of the view that the above directions need to be followed by all other States where the issue of mining is relevant.*
- In view of the NGT order dated 14.10.2020, the State of Bihar filed an Civil Appeal before the Hon'ble Supreme Court having Civil Appeals Nos. 3661-3662 of 2020 tiled as State of Bihar V/s Pawan Kumar and same is sub-judice as of now.

In the instant proposal, Project Proponent has submitted a copy of DSR prepared by Institute of Environment & Eco-Development, Patna and submitted to Under Secretary Mines & Geology Department, Government of Bihar. PP also submitted the online link to access the DSR as [DSR-PR-MM-Kaimur.pdf \(bihar.gov.in\)](#). The DSR has been prepared as per Ministry's Notification no. S.O.3611 (E) dated 25th, July, 2018 and the date mentioned in the covering letter of the DSR is 13.10.2018. However, project proponent vide Email dated 9.09.2021 submitted a letter dated 19.08.2021 enclosing copy of DSR, where in the covering letter of DSR, the date mentioned is 17.08. 2018. Hence there is discrepancies in the date of DSR.

The Committee noted that the LOI for the instant mining lease was issued on 26.07.2016, wherein it was asked to submit Mine lease contract in Form D within 120 days. PP could not able to display the copy of extension of validity of LOI. The Committee was of the view that as on date PP has no valid lease document in support of the fact that Proponent is the rightful lease of the mine lease. Thus, Committee was of the view that the proposal cannot be considered in present form.

The Committee also noted that the performance of the Consultant was very poor as the Consultant even after spending more than half an hour, Consultant was unable to show the presentation and couldn't able to reply even the basic and technical details

and justify the facts about the proposal. The Committee noted that the Ministry has already issued Show Cause Notice vide letter no J-11015/63/2019-IA.II(M) dated 4th March, 2021 and the Consultant replied to the Show Cause Notice vide Lr Ref: CEMCPL/BBSR/85/2021 dated 31.03.2021. The reply of the PP was examined in the Ministry and in view of the admission of mistake by consultant and request for giving opportunity for improvement; Show Cause Notice issued to the consultant was withdrawn vide Ministry's dated 09.07.2021. However, consultant warned to be more cautious in future in preparing EIA/ EMP report and in making presentations before EAC so that a clear picture about the proposal is available before EAC/Ministry for taking a considered decision in effective manner. Further, in case of re-occurrence of similar deficiencies in EIA/ EMP reports, Ministry may take necessary action for debarment without giving further notice.

The Committee therefore **deferred the proposal** and was of the view that proposal may be considered after the following:

- I. As the performance of the Consultant was very poor, Ministry may take appropriate action against the Consultant M/s Centre for Envotech & Management Consultancy Private Limited.
- II. As per TOR granted to project proponent on dated 9.07.2020, the Committee observed that as per map submitted by the PP the mining lease is at a distance of 0.63 km from the boundary of Eco-Sensitive Zone. Due to close proximity, Ministry may take views from ESZ division.
- III. PP needs to submit valid Letter of Intent (LOI).
- IV. Project Proponent should clarify the date of approval and DSR and approving authority of the DSR submitted to the Ministry.
- V. PP needs to submit exact distance between mine lease area and ESZ of Kaimur Wildlife Sanctuary.

3.5 Proposal for extension of validity of environmental clearance of M/s. Saraswati Power & Industries (P) Limited for Integrated Cement Plant (Clinker-2.5 MTPA, Cement-3.5 MTPA) along with captive power plant (50 MW) and Captive Limestone mine (613.476ha, 3.75 MTPA) at Villages Tangeda, Vemavaram, Chennayapalayam, Tehsil Dachepalli & Machavaram, District Guntur, Andhra Pradesh – [File No: J-11011/543/2009-IA.II(I) Proposal No: IA/AP/MIN/225807/2021] - Extension of validity of EC

EAC Meeting Details:

EAC meeting	37 th
Date of Meeting	15 th – 17 th September, 2021

The proposal of M/s. Saraswati Power & Industries (P) Limited is for extension of validity of environmental clearance for Integrated Cement Plant (Clinker-2.5 MTPA, Cement-3.5 MTPA) along with captive power plant (50 MW) and Captive Limestone mine (613.476ha, 3.75 MTPA) at Villages Tangeda, Vemavaram, Chennaiyapalayam, Tehsil Dachehalli & Machavaram, District Guntur, Andhra Pradesh. The mine lease area falls under the Survey of India Toposheet No: 56P/10, P/13, P/14.

2. M/s. Saraswati Power & Industries (P) Limited has made an online application vide proposal no: IA/AP/MIN/225807/2021 dated 23.08.2021 and submitted Form 6 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 3(b) Cement plants and falls under Category “A” of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha.

3. Observation and Recommendation of the Committee:

The Proposal for extension of validity of environmental clearance was considered in the 37th EAC (Non-Coal) meeting held on 15th – 17th September, 2021. The Member Secretary informed the Committee that the Project Proponent vide Lr Ref: SPIL/EC-Ext./2021 dated 08.09.2021 informed that the instant proposal for extension of validity of environmental clearance for Cement Plant at Tangeda, Vemavaram & Chennaiyapalayam Villages, Dachehalli & Machavaram Mandals, Guntur District, Andhra Pradesh pertained to Industry Division. Project proponent by mistake applied in Non-Coal sector instead of Industry sector. Hence, PP requested to withdraw the proposal listed in Agenda 3.5 of 37th EAC (Non-Coal) meeting held during 15th – 17th September, 2021. Therefore, the Committee **returned** the proposal.

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	15 th Sept. 2021	16 th Sept. 2021	17 th Sept. 2021
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes	Yes	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	No	No	No
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes	Yes	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes	Yes	Yes
5	Shri Santosh Gupta	Flat No. 405, Block –B, Gaur Green Vista, NyayKhand -1, Indrapuram, Ghaziabad-201014	Member	Yes	Yes	Yes
6	Dr. (Ms.) Asha Rajvanshi	Wildlife Institute of Inida, Chandrabani,	Member	Yes	Yes	Yes

		Dehradun-248001				
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes	Yes	Yes
8	Dr. A.K.Malhotra	House no.33, Sector-11 Dwarka, New Delhi-110075	Member	Yes	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	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	No	No	No
11	Prof. Mukesh Khare	Department of Civil Engineering, IIT, Delhi	Member	Yes	Yes	Yes
12	Mr. V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, Mausam Bhawan, Lodi Road, New Delhi – 110003	Member	No	No	No
13	Sh. Pankaj Kulakshethra	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines,	Member	No	No	No

Minutes for 37th EAC Meeting (Non-Coal Mining) held during 15th – 17th September, 2021.

		Nagpur – 440001.				
14	Sh. P.K.Kundu	Representative of DGMS	Member	Yes	Yes	Yes
15	Shri Gowrappan	No. 6, Ganesh Avenue, II Street, Shakti Nagar, Porur, Chennai, Tamil Nadu-600116	Member	Yes	No	No
16	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira Paryavaran Bhawan, MoEF&CC, Jorbag, New Delhi- 110003	Member Secretary	Yes	Yes	Yes