

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

SUMMARY RECORD OF 51st MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 51st 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 on 30th May, 2022 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0.0) Deliberation & Circulation on the Minutes of the 50th EAC Meeting (Non-Coal Mining) held during 12th – 13th May, 2022.

The minutes of 50th EAC Meeting (Non-Coal Mining) held during 12th – 13th May, 2022 were placed before the members of the Committee. The Member Secretary informed the Committee that the following corrigendum was made which is mentioned below:

S. No.	As per 50th EAC Meeting (Non-Coal Mining) held during 12th – 13th May, 2022	Typographical error (Project proponent's letter dated 27.05.2022)	EAC recommended during 51st EAC meeting held on 30th May, 2022
1	Agenda 1.6, Page no. 76 and Para 19, Point no. 5.	The project proponent shall implement switch over from road to OLBC in 30 months instead of 3 years. As per the plan submitted, the project proponent was supposed to complete the activity by May, 2025. However, it should be done before November, 2023. The status of the work completion shall be submitted to the Ministry annually.	The project proponent shall implement switch over from road to OLBC in 30 months instead of 3 years. As per the plan submitted, the project proponent was supposed to complete the activity by May, 2025. However, it should be done before November, 2024. The status of the work completion shall be submitted to the Ministry annually.

(1.0.1) Deliberation & Circulation on the Minutes of the 49th EAC Meeting (Non-Coal Mining) held during 19th to 21st April, 2022

The Minutes of the 49th EAC Meeting (Non-Coal Mining) held during 19th to 21st April, 2022 were placed before the members of the Committee. The Member Secretary informed the Committee regarding the following corrigendum.

S. No	As per 49 th EAC Meeting (Non-Coal Mining) held during 19 th to 21 st April, 2022	Typographical error	EAC recommended during 51 st EAC Meeting (Non-Coal Mining) held during 30 th May, 2022
1	Agenda 2.6, Subject, Pg. No 147	Proposal for Environmental Clearance of M/s Prabodh Mohanty for KJST Iron Ore & Bauxite Mine with expansion in Iron Ore production Capacity from 2.0169 to 2.80 MTPA ROM (2.41 MTPA Iron Ore + 0.39 MTPA mineral Reject), Iron Ore waste 1.50 MTPA, Top Soil 0.008 MTPA and Bauxite Production Capacity 0.13 MTPA (ROM), Bauxite waste 0.10 MTPA (Total Excavation: 4.538 MTPA) along with 3 crushing unit (2 existing & 1 proposed) and 5 screening units (3 existing & 2 proposed in the mine lease area of 188.523 ha (Stage-II FC available) out of 188.268 ha , located at Villages Kalmanga, Jaldihi, Sidimba and Tantigram, Tehsil: Koira, District: Sundergarh, Odisha	Proposal for Environmental Clearance of M/s Prabodh Mohanty for KJST Iron Ore & Bauxite Mine with expansion in Iron Ore production Capacity from 2.0169 to 2.80 MTPA ROM (2.41 MTPA Iron Ore + 0.39 MTPA mineral Reject), Iron Ore waste 1.50 MTPA, Top Soil 0.008 MTPA and Bauxite Production Capacity 0.13 MTPA (ROM), Bauxite waste 0.10 MTPA (Total Excavation: 4.538 MTPA) along with 3 crushing unit (2 existing & 1 proposed) and 5 screening units (3 existing & 2 proposed in the mine lease area of 188.268 ha , located at Villages Kalmanga, Jaldihi, Sidimba and Tantigram, Tehsil: Koira, District: Sundergarh, Odisha
2	Agenda 2.6, Point No.1, Pg. No 147	The proposal of M/s Prabodh Mohanty is for grant of Environmental Clearance for KJST Iron Ore & Bauxite Mine with expansion in Iron Ore production capacity from 2.0169 to 2.80 MTPA ROM (2.41 MTPA Iron Ore + 0.39	The proposal of M/s Prabodh Mohanty is for grant of Environmental Clearance for KJST Iron Ore & Bauxite Mine with expansion in Iron Ore production capacity from 2.0169 to 2.80 MTPA ROM

		<p>MTPA mineral Reject), Iron Ore waste 1.50 MTPA, Top Soil 0.008 MTPA and Bauxite Production Capacity 0.13 MTPA (ROM), Bauxite waste 0.10 MTPA (Total Excavation: 4.538 MTPA) along with 3 crushing unit (2 existing & 1 proposed) and 5 screening units (3 existing & 2 proposed within the mine lease area of 188.523 ha (Stage-II FC available) out of 188.268 ha, located at Villages Kalmanga, Jaldihi, Sidimba and Tantigram, Tehsil: Koira, District: Sundargarh, Odisha.</p>	<p>(2.41 MTPA Iron Ore + 0.39 MTPA mineral Reject), Iron Ore waste 1.50 MTPA, Top Soil 0.008 MTPA and Bauxite Production Capacity 0.13 MTPA (ROM), Bauxite waste 0.10 MTPA (Total Excavation: 4.538 MTPA) along with 3 crushing unit (2 existing & 1 proposed) and 5 screening units (3 existing & 2 proposed within the mine lease area of 188.268 ha, located at Villages Kalmanga, Jaldihi, Sidimba and Tantigram, Tehsil: Koira, District: Sundargarh, Odisha.</p>
3	Agenda 2.6, Point No.26, Pg. No 172	<p>The proposal for Environmental Clearance was considered in the 49th EAC (Non Coal Mining) meeting held during 19th - 21st April, 2022. After detailed deliberations made by the Project Proponent and the Consultant, the Committee recommended the proposal for grant of Environmental Clearance for M/s Shri Prabodh Mohanty for KJST Iron Ore & Bauxite Mine with expansion in Iron Ore production capacity from 2.0169 to 2.80 MTPA ROM (2.41 MTPA Iron Ore + 0.39 MTPA mineral Reject), Iron Ore waste 1.50 MTPA, Top Soil 0.008 MTPA and Bauxite Production Capacity 0.13 MTPA (ROM), Bauxite waste 0.10 MTPA (Total Excavation: 4.538 MTPA) along with 3 crushing unit (2</p>	<p>The proposal for Environmental Clearance was considered in the 49th EAC (Non Coal Mining) meeting held during 19th - 21st April, 2022. After detailed deliberations made by the Project Proponent and the Consultant, the Committee recommended the proposal for grant of Environmental Clearance for M/s Shri Prabodh Mohanty for KJST Iron Ore & Bauxite Mine with expansion in Iron Ore production capacity from 2.0169 to 2.80 MTPA ROM (2.41 MTPA Iron Ore + 0.39 MTPA mineral Reject), Iron Ore waste 1.50 MTPA, Top Soil 0.008 MTPA and Bauxite Production Capacity 0.13 MTPA (ROM), Bauxite waste 0.10 MTPA (Total</p>

		existing & 1 proposed) and 5 screening units (3 existing & 2 proposed within the mine lease area of 188.523 ha (Stage-II FC available) out of 188.268 ha , located at Villages Kalmanga, Jaldihi, Sidimba and Tantigram, Tehsil: Koira, District: Sundargarh, Odisha	Excavation: 4.538 MTPA) along with 3 crushing unit (2 existing & 1 proposed) and 5 screening units (3 existing & 2 proposed within the mine lease area of 188.268 ha , located at Villages Kalmanga, Jaldihi, Sidimba and Tantigram, Tehsil: Koira, District: Sundargarh, Odisha
4	Agenda 2.6, Specific condition ii, Pg. No 172	The mining activity will be restricted to over an area of 188.523 ha for which Stage-II FC available out of 188.268 ha.	The mining activity will be restricted to over an area of 188.268 ha for which Stage-II FC available.

(1.0.2) Deliberation & Circulation on the Minutes of the 47th EAC Meeting (Non-Coal Mining) held during 7th – 9th March, 2022.

The minutes of 47th EAC Meeting (Non-Coal Mining) held during 7th– 9th March, 2022 were placed before the members of the Committee. The Member Secretary informed the Committee that the following corrigendum was made which is mentioned below:

S. No.	As per 47 th EAC Meeting (Non-Coal Mining) held during 7 th – 9 th March, 2022	Typographical error (Project proponent's letter dated 23.03.2022)	EAC recommended during 51 st EAC meeting held on 30 th May, 2022
1	Agenda 2.5, subject line and Para 17.	Proposal for Environmental Clearance for Mudhvay Limestone Mine with the production capacity of 12.18 MTPA (ROM) [4.38 MTPA limestone production, 8.14 MTPA over-burden & 0.36 MTPA inter-burden excluding top-soil] and installation of 1200 TPH Crusher in the mine lease area of 233.5 ha located at Village Mudhvay, Taluka	Proposal for Environmental Clearance for Mudhvay Limestone Mine with the production capacity of 12.88 MTPA (ROM) [4.38 MTPA limestone production, 8.14 MTPA over-burden & 0.36 MTPA inter-burden excluding top-soil] and installation of 1200 TPH Crusher in the mine lease area of 233.5 ha located at Village Mudhvay, Taluka Lakhpat, District Kachchh,

		<p>Lakhpat, District Kachchh, Gujarat by M/s Shree Cement limited –[File No. IA-J-11015/23/2018-IA-II(M); Proposal No. IA/GJ/MIN/73109/2018] - Environmental Clearance</p>	<p>Gujarat by M/s Shree Cement limited –[File No. IA-J-11015/23/2018-IA-II(M); Proposal No. IA/GJ/MIN/73109/2018] - Environmental Clearance</p>
		<p>After detailed presentation by the Project proponent and the Consultant, the Committee recommended the proposal for grant of Environmental Clearance for Mudhvay Limestone Mine with the production capacity of 12.18 MTPA (ROM) [4.38 MTPA limestone production, 8.14 MTPA overburden & 0.36 MTPA inter-burden excluding top-soil] and installation of 1200 TPH Crusher in the mine lease area of 233.5 ha located at Village Mudhvay, Taluka Lakhpat, District Kachchh, Gujarat of M/s Shree Cement limited subject to the compliance of following Specific conditions in addition to all Standard conditions applicable for non-coal mining projects</p>	<p>After detailed presentation by the Project proponent and the Consultant, the Committee recommended the proposal for grant of Environmental Clearance for Mudhvay Limestone Mine with the production capacity of 12.88 MTPA (ROM) [4.38 MTPA limestone production, 8.14 MTPA overburden & 0.36 MTPA inter-burden excluding top-soil] and installation of 1200 TPH Crusher in the mine lease area of 233.5 ha located at Village Mudhvay, Taluka Lakhpat, District Kachchh, Gujarat of M/s Shree Cement limited subject to the compliance of following Specific conditions in addition to all Standard conditions applicable for non-coal mining projects</p>

DAY 1: 30th MAY, 2022

1.1 Expansion in Environmental Clearance of Mohanpura – Jodhpura Limestone Mine of M/s UltraTech Cement Ltd. in Mine Lease Area of 548.78 ha for increase in Production Capacity of Limestone from 6.0 MTPA to 10.50 MTPA (ROM), 5.72 MTPA Waste rock, 0.53 MTPA clay/Sub soil and 0.05 MTPA, Top Soil generation (Total Excavation: 16.8 MTPA) with existing Crusher Capacity of 1600

TPH; proposed additional Crusher Capacity of 1600 TPH at Villages Mohanpura, Kujota, Mahrampura (Rajput), Maharampura (Nawab), Kansli, Tehsil Kotputli, District Jaipur, Rajasthan - [File No. J-11015/350/2008-IA.II(M); Proposal No. IA/RJ/MIN/8653/2008] – Environment Clearance

1. Project details:

Name of the project proponent	M/s UltraTech Cement Limited	
Location	Villages	Mohanpura, Kujota, Mahrampura (Rajput), Maharampura (Nawab), Kansli
	Tehsil	Kotputli
	District	Jaipur
	Latitudes	27°39'47.68" to 27°41'40.74" N
	Longitudes	76° 06' 27.61" to 76 ° 08' 40.21" E
	Soil Topo sheet No.	Core zone – G43E2 Buffer Zone – G43E2 & G43E1
Accredited Consultant and certificate no.	J.M. EnviroNet Pvt. Ltd. Accredited EIA Consultant by NABET (QCI) Certificate No: NABET/EIA/2023/RA 0186, dated 17.12.2020 & valid up to 07.02.2023	
KML file	Submitted on PARIVESH portal	
Seismic zone	Zone II as per IS: 1893 (Part-I): 2002	

2. Category details:

Category of the project	Category "A", Project or Activity 1 (a) (3) for Mining of Mineral and Project Activity 2 (b) (3) for Mineral Beneficiation (Crusher with Wobbler).
Provisions	EIA Notification dated 14 th September, 2006
Mining lease Area	548.78 Ha

3. Terms of Reference and previous Environmental Clearance details:

ToR Proposal No.	IA/RJ/MIN/136203/2020
Online application date for Form-I	16.01.2020
Documents Submitted	Form I, PFR, Brief Summary, Proposed ToR, KML File, Approved Mining Plan etc.
ToR Letter No.	J-11015/350/2008-IA-II (M)
ToR grant Date	09.07.2020
Production capacity	10.50 million TPA
Soil	0.05 million TPA
Waste	5.72 million TPA
Others (Clay/Sub-soil)	0.53 million TPA

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Total Excavation	16.8 million TPA
Crusher	Existing Crusher Capacity: 1600 TPH and Proposed additional Crusher Capacity of 1600 TPH with screening
EIA/EMP uploaded on	06.05.2022
Previous EC details	<ul style="list-style-type: none"> ➤ Environmental Clearance for 4.0 million TPA Limestone Production in the name of M/s. Grasim industries limited, vide letter no. J-11015/235/2005-IA. II (M) on dated 17.08.2006. ➤ Environmental Clearance for expansion in Limestone Production Capacity from 4.0 to 6.0 million TPA in the name of M/s. Grasim industries limited, vide letter no. J-11015/350/2008-IA.II (M) on dated 30.04.2010. ➤ Environmental Clearance was transferred for existing 6.0 million TPA Limestone Production Capacity in the name of M/s. UltraTech Cement Limited, vide letter no. J-11015/350/2008-IA.II(M) on dated 09.07.2020.

4. Lease Details:

Initial mine lease	<ul style="list-style-type: none"> ➤ Initially, the mining lease over an area of 548.78 ha was granted to M/s. Rajasthan State Industrial Development and Investment Corporation Limited (RIICO) by State Government vide letter no. P.4 (302) Khan/Group-2/1981 dated: 29.06.1984 for the period of 20 years. ➤ The mining lease was registered on 05.07.1984 and the lease was effective from 05.07.1984 to 04.07.2004.
First Transfer of mine lease	<ul style="list-style-type: none"> ➤ The Mining Lease was transferred in name of M/s. Grasim Industries Limited on 18.02.2002. ➤ The mining lease was executed and registered on 06.03.2002 & 08.03.2002 respectively.
First Renewal of mine lease	<ul style="list-style-type: none"> ➤ First renewal of the mining lease was done on 13.10.2006, effective from 05.07.2004 for 20 years. ➤ Afterwards, the Mining Lease deed was executed and registered on 03.04.2007 & 10.04.2007 in name of M/s. Grasim Industries Limited.
Second transfer of mine lease	<ul style="list-style-type: none"> ➤ Mining lease was transferred from M/s Grasim Industries Ltd. to M/s UltraTech Cement Ltd. Vide State Govt letter no P.2 (62) Mines/Group-1/2006 dated 26.06.2018.

	<ul style="list-style-type: none"> ➤ Transferred lease deed was executed on 27.08.2018 and registered on 28.08.2018. ➤ Subsequently, contract of Memorandum of Mining Lease transfer from Grasim Industries Ltd to UltraTech Cement Ltd has been issued by AME Office, Kotputli, DMG, Rajasthan vide letter no. AME/Kot/Reya/Pr/M.L.-3/2003 ®/34 dated 30.08.2018. ➤ Lease deed executed by the State Government on 29.10.2018.
Validity of mine lease	<ul style="list-style-type: none"> ➤ As per section 8A of MMDR Amendment Act, 2015; the validity of Mining Lease period has been extended up to 04.07.2034. Letter for the same has been obtained from Asstt. Mining Engineer, Kotputli vide letter no AME/Kot/CC/Pra./M.L.3/03 (R)/272 dated 10.03.2015.

5. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	584 (4)(3) (1830)/2020-RCOM-Ajmer
	Date	17.09.2020
	Validity	2023-24
Mining Parameters	Quantitative Description	
Bench Height	10.0 m	
Bench Width	12.0 m to 20.0 m	
Method of Mining	Fully Mechanized Opencast Mining Method	
Individual bench slope	82°	
Overall pit slope	56°	
Drilling/Blasting	<p>Drilling High-capacity equipment's are being/will be deployed. Drilling operation for blast holes is being/will be carried out for limestone/waste rock by crawler mounted 115 mm fast drills.</p> <p>The drill parameter:</p> <ul style="list-style-type: none"> ➤ Average Spacing = 3.3 m ➤ Average Burden = 4.3 m ➤ Average height of bench = 10 m ➤ Inclination of hole = 00 to 100 ➤ Sub grade drilling = 0.5 m ➤ Drilling required per hole = 10.5 m ➤ Average bulk density = 2.5 Tonnes/m³ of in situ rock <p>Blasting Controlled blasting practices are followed in deep-hole blasting. Blast holes of 115 mm diameter (in staggered</p>	

	<p>pattern) are charged with ANFO (Ammonium nitrate fuel oil) /SME (site mix emulsion) (90-95% of total explosive) & booster (<10% of total explosive).</p> <p>The details of blast parameters to be used in the mines are as under:</p> <ul style="list-style-type: none"> ➤ Drill holes diameter (mm) = 115 ➤ Burden (m) = 2.5 to 4 m ➤ Spacing (m) = 3.5 to 5 ➤ Bench Height (m) = 5 to 10 ➤ Drill Hole Depth (m) = 6 to 11 ➤ Stemming height (m) = 2.5 to 4 ➤ Firing sequence = Hole to Hole (using NONEL)
RoM output size	<75 mm & < 50 mm (95%)
Life of mine	<ul style="list-style-type: none"> ➤ 14.3 years considering the end of lease period. ➤ ~18 years considering total remaining reserves and continuity of the mining lease in the name of present company.
Transportation details	For transportation of the mined limestone material to crusher, heavy duty dumpers having carrying capacity of 55 tonnes are being/will be used. Crushed Limestone is being/will be transported from crusher to the company's integrated cement plant via Covered Conveyor Belt, length of which is 1.7 km.
Dumpers capacity	55 tonnes
Additional information	<ul style="list-style-type: none"> ➤ <u>Till date:</u> At present 14.62 million Tonnes of waste (includes Waste rock, clay/Sub soil and Top Soil) has been generated. ➤ <u>Up to conceptual stage:</u> about 30.53 million tonnes of waste (includes Waste rock, clay/Sub soil and Top Soil) will be generated. ➤ Company has proposed to use Waste rocks for manufacturing of aggregates and M-Sand for Captive purpose in Cement Plant construction and dispatch for, which permission under Rule under Rule 12 (1) (k) of MCR, 2016 obtained from Office of the Department of Mines & Geology, Alwar, Govt. of Rajasthan vide their letter dated 10.12.2021 and from IBM, Ajmer vide letter dated 01.03.2021. ➤ UTCL has a proposal for dispatch of 20 lakh tonnes/Annum of waste in which LOI for 7,02,372 tonnes in the first year has been obtained from Office of the Department of Mines & Geology at Kotputli vide their letter no AME/Kot/CC/Major/M.L-03/03(R)/1585 dated 25.01.2022 and remaining quantity of waste material will be dispatched after taking necessary approval from the Competent authority.

6. Land Area Breakup:

Private Agriculture land	433.03 Ha
Government land (waste land)	115.75 ha
Total Mining lease area (MLA)	548.78 ha

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

Particulars	Particular's Name	Directions
Nearest village	Mohanpura	Falls in northern side outside the UPL of mining lease
	Kujota	Falls within lease area in SW direction
	Kansil and Jodhpura	Located outside the UPL within the Mining lease
Nearest Town / City	Kotputli	~5.0 km in ENE Direction
Nearest State/National Highway	➤ NH-8	~2.5km in SE direction
	➤ SH-37B	~2.5 km in North direction
Nearest Railway Station	Dabla Railway Station	~28 Km in NW direction
Nearest Water Bodies	Sota River	~2.5 Km in West direction
	Sabi River	~9.0 km in SE direction

8. Water requirement:

Total water requirement	190 KLD	Fresh water	182 KLD (Bore wells and Mine Sump Water)
		Treated Water	8 KLD [oil water separator (4 KLD) & STP Plant (4 KLD)]
Source	Bore wells and Mine Sump Water		
Permission	NOC for water withdrawal as well as for seepage has already been obtained from Central Ground Water Authority vide letter no 21-4(11)/WR/CGWA/2005-1696 dated 25.09.2017 vide letter no CGWA/NOC/IND/REN/2/2021/6324 valid from 25/09/2020 to 24/09/2022.		

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

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter/Remarks
Forest Land	No	No forest land is involved within the proposed mine. Certificate has been received from DCF; Jaipur vide letter no 1172-76 dated 08.02.2022. 4

		Protected Forest are present in the 10 km radius study area.
National Park	No	There is no National Park, Wildlife Sanctuary, Wildlife Corridor, Tiger/Elephant Reserves except 4 Protected Forest within 10 km radius study area. Letter along with authentication of location Map has been obtained from Chief Wildlife Warden on 21.02.2022. Following PF are present in the buffer zone: Ramsinghpura PF (~6.0 Km in NE Direction) Hasampura PF (~6.5 Km in NW Direction) Patch of Protected Forest (~8.5 Km in NNW Direction) Dantil PF (~9.0 Km in WSW Direction)
Wildlife Sanctuary & Forest	No	
Eco Sensitive Zone (ESZ)	No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	Two Schedule I faunal species [Indian Peafowl (<i>Pavocristatus</i>) & Monitor Lizard (<i>Varanus bengalensis</i>)] recorded in the study area.
Wildlife Conservation Plan	Yes	Conservation plan for schedule-1 species has been obtained from Chief Wildlife Warden (CWLW) Letter dated 21.02.2022.

10. Details of CTE/CTO, Previous EC Compliance, Past Production details:

Consent for Establishment		PP submitted the Consent for Establishment obtained from Rajasthan Pollution Control Board vide Order No. F(Mines)/Jaipur (Kotputli)/8(1)/2008-2009/6217-6221 dated 04/01/2011 for 6.0 million TPA Limestone Production Capacity in favor of M/s. Ultratech Cement Limited.
Consent for Operation		PP submitted the Consent to operate issued by the Rajasthan Pollution Control Board vide F(Mines)/JAIPUR(Kotputli)/253(1)/2017-2018/216-220 dated 07/04/2022 and valid upto 31/03/2027 for 6.0 million TPA Limestone Production Capacity in favor of M/s. Ultratech Cement Limited.
Certified EC Compliance report		PP submitted the EC compliance report certified by MoEF&CC, Regional Office (SEZ), Jaipur vide letter no IV/ENV/R/MINE-482/792/2010/SPL-7 dated 05/02/2021
Past Production details		PP submitted the past production details certified by Dept of Mines and Geology, Kotputli vide letter no AME/Kot/CC/Major/ML-3/2003/671 dated 16.11.2021.

10. Green belt/plantation details:

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Proposed area for green belt/plantation	166 ha
Budget for green plant & plantation till the end of life of mine.	Rs. 5.24 Crore
Additional information	<ul style="list-style-type: none"> ➤ At the conceptual stage, Total 166 Ha will be covered under greenbelt/plantation including, 8.20 ha on 7.5 m UPL of mining lease, 99.59 ha on waste dump/waste land, 44.21 ha on unworked area and 14.0 ha on mined out benches) under plantation at the end of conceptual period. ➤ Density of plantation would be 2000 trees/ha.
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	8.20 ha

11. Baseline details:

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	December, 2019 to February, 2020
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Winter Season

12. Public Hearing details:

Advertisement for PH with date	The "DainikBhashkar and DivyaNavjyoti" on 19.08.2020
Date of PH	22.09.2020
Venue	Government higher secondary school, Village Kujota, Tehsil Kotputli, District Jaipur (Rajasthan)
Chaired by	1. Dr. Satyaveer Yadav, Additional District Collector of Kotputli, District-Jaipur, 2. Shree V.S. Sankhala, Regional Officer of Rajasthan State Pollution Control Board, Jaipur
Main issues raised during PH	Issues raised during public hearing were about Employment, Infrastructure Development, Impact of blasting on habitation, Renovation of Aganwadi Centre etc.
Budget proposed for addressing issues raised during PH	Rs. 3.00 crores

13. Court case details:

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

R & R details	<p>Total mining lease area is 548.78 ha which spreads in villages namely Mohanpura, Kujota, Maharampura (Rajput), Maharampura (Nawab), Kiratpura, Fatehpura, Kansli, Ajitpura, etc. Out of total Mining Lease area, 433.03 ha is Private agricultural land, 115.75 ha is Government Land (Waste Land).</p> <p>Village settlements of Mohanpura, Kujota, Mehrampur (Rajput), Mehrampur (Nawab), Kansil, Kiratpura, Fatehpura and Ajitpurafalls within the lease areas well as in the surroundings. As on date, 325.33 ha area is under possession of Company. Till date part of one village namely Monhanpura has been properly rehabilitated. Another village namely Kujota needs rehabilitation, which is planned to be shift after lease validity period (Year 2034).</p>
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15. Affidavit/Undertaking details:

Affidavit	<p>Company has submitted an Affidavit dated 24.03.2022 to MoEF&CC that the mining would be done strictly in accordance with the statutory requirement & judgment of Hon'ble Supreme Court dated 2nd August 2017 in writ Petition (civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ores.</p>
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16. Details of the Environment Management Plan:

Existing Cost Breakup for Environment Protection (Rs. In Lakh):

S. No.	Activities	Capital	Recurring
EMP for Pollution Control & Monitoring			
Mitigative Measures			
1	Water tankers for sprinkling on haul roads and mining areas/activities (Existing two tankers)	28.00	16.20
2	Wet drilling & operation of dust extractors during drilling (In-built systems)	0.00	25.00
3	Soil Compactor for haul road maintenance	19.50	4.32
4	Motor Grader for haul road maintenance - Existing mine	0.00	28.92
5	Bag house at Existing Crusher (1600 TPH Capacity)	65.00	8.50
6	Pollution Control Device (Bag filters at transfer points) Equipment and its installation Cost, Operation & Maintenance	8.00	3.00
7	Sprinkling system at crusher hopper and transfer points	5.00	0.40

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	(Existing 1600 TPH Capacity)		
8	Greenbelt/Plantation has been done on 53 ha area with a cost of Rs.288.96 Lakh. Including greenbelt of 8.20 ha, plantation over dumps of 3.25ha & plantation over waste land of 41.55ha	72.24	216.72
9	Three number of ground water recharging pits, channels for diverting water, etc.	22.62	0.50
10	Provision of Garland Drains around OB dumps: Already provided (L*W*D = 6500 m x 1.5 m x 1.5 m)	3.25	0.50
11	Construction of Retaining Wall around OB dumps Existing: (L*W*H = 1935 m x 0.45 m x 1.5m)	92.88	0.50
12	Siltation ponds at dump sites of size: (L*W*D=40mX40mX1.5m) Existing - 2 nos)	1.00	0.05
13	Oil-water separator at mines workshop	5.00	0.25
14	Controlled blasting for minimizing ground vibration, fly rock, air pressure/ noise, etc. by Using Nonel and Exel	0	27
15	Providing Ear muffs/plugs to workers working in high noise area	0	0.4
Monitoring			
1	Ambient air quality monitoring – 4 stations in core zone & 4 stations in buffer zone. 4 stations in buffer zone includes village Mohanpura, Kansli, Gordhanpura&Ajeetpura	8.00	4.00
2	One Online CAAQMS station at mine lease area behind ER office at gate no. 2	32.00	2.00
3	Fugitive dust emission monitoring- At 4 locations, which includes loading, haul road, unloading & crusher areas.	10.00	4.00
4	Constructed Piezometers: 4 nos. in mining lease area & 7 nos. in surrounding areas (Total- 11 nos.)	22	0.5
5	Piezometer with Digital Water Level Recorder & Telemetry	6.70	1.00
6	Ground water quality analysis (Piezometer Wells, 4 times in a year)	0.00	0.20
7	Mines Workshop Waste Water Quality Analysis Every quarter (04 time in a year)	0.00	0.20
8	Monitoring of Peak Particle Velocity & air pressure/ noise at nearest habitations	9.6	0.76
9	Ambient Noise Monitoring at 8 no. of stations (4 each in core zone and buffer zone)	2.00	1.00
10	Work Place Noise Level Monitoring (4 no. of locations & quarterly frequency)	0.00	0.50
Grand total		412.79	347.92

Proposed Cost Breakup for Environment Protection (Rs. In Lakh):

S.	Activities	Capital	Recurring
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No.			
EMP for Pollution Control & Monitoring			
Mitigative Measures			
1	Water tankers for sprinkling on haul roads and mining areas/activities (Proposed two tankers)	30.00	23.20
2	Wet drilling & operation of dust extractors during drilling (In-built systems)	0.00	35.78
3	Soil Compactor for haul road maintenance	0.00	6.18
4	Motor Grader for haul road maintenance- Expansion of mine	57.00	14.50
5	Bag house at existing & New Crusher (1600 TPH Capacity)	75.00	10.30
6	Pollution Control Device (Bag filters at transfer points) Equipment and its installation Cost, Operation & Maintenance	10.00	3.60
7	Sprinkling system at crusher hopper and transfer points (Proposed 1600 TPH Capacity)	7.00	0.48
8	Greenbelt/Plantation will be carried out in 113 ha till 2038 on waste dumps/ waste land and mined out benches with cost of Rs.524 Lakh in 17 years.	131.00	21.84
9	Three number of ground water recharging pits, channels for diverting water, etc.	0.00	0.50
10	Provision of Garland Drains around OB dumps: (L*W*D = 4000 m x 1.5 m x 1.5 m).	2.00	0.50
11	Construction of Retaining Wall around OB dumps Proposed: (L*W*H = 2000 m x 0.45 m x 1.5m)	96.00	0.50
12	Siltation ponds at dump sites of size: (L*W*D=40mX40mX1.5m) Proposed: 4 nos.)	2.00	0.10
13	Oil-water separator at mines workshop	5.00	0.25
14	Controlled blasting for minimizing ground vibration, fly rock, air pressure/ noise, etc. by Using Nonel and Exel	0	39
15	Providing Ear muffs/plugs to workers working in high noise area	0	0.15
	Sub Total	415.00	156.88
Monitoring			
1	Piezometer with Digital Water Level Recorder & Telemetry	0.00	1.00
2	Ground water quality analysis (Piezometer Wells, 4 times in a year)	0.00	0.10
3	Work Place Noise Level Monitoring (4 no. of locations & quarterly frequency)	0.00	0.50
EMP Cost for public hearing			
1	Estimated Budget for Addressing the Public Hearing Issues	300.00	15.50
Grand total		715.00	173.98

Summary of the EMP details:

S. No.	Activities	Existing Cost (Lacs)		Proposed Cost (Lacs)		Total Cost (Lacs)	
		Capital	Recurring	Capital	Recurring	Capital	Recurring
1.	Mitigative Measures	322.49	332.26	415.00	156.88	737.49	489.14
2.	Monitoring	90.30	14.16	00.00	1.60	90.30	15.76
3.	Others- Digital mapping of the entire lease area once in five years	0.00	1.50	0.00	0.00	0.00	1.50
4.	EMP Budget for public hearing	0.00	0.00	300.00	14.50	300.00	14.50
	Total	412.79	347.92	715.00	172.98	1127.79	520.9

17. Details of project cost and employment:

Particulars	Budget
Capital Cost for Environment Protection	8.28 Crore
Budget for addressing the Public Hearing issues	3.00 Crore
Total Cost for EMP	11.28 Crore
Recurring Cost for EMP	5.21 Crore
Project Cost	66.05 Crore
Employment	147 Persons

18. Observation and recommendation of the Committee:

The proposal was considered in the 51st EAC meeting held on 30th May, 2022. After the detailed deliberations, the Committee noted that the compliance of Environmental Clearance with Limestone Production Capacity of 6.0 million TPA vide letter dated 30.04.2010 are not satisfactory in terms of plantation and Rehabilitation & Resettlement. Work done to address the public concerns of the Public Hearing done in the year 2010 are not fully complied. The project proponent could not also convince the Committee on active dump composition on the utilizing manufacturing aggregate and manufacturing sand as well as dump which are closed and ready for plantation. The permission to access the dump also has to be a part of mining plan. Therefore, the Committee **deferred** the proposal due to want of the following information:

- 1) The project proponent needs to comply the specific conditions given in the earlier Environmental Clearance dated 30.04.2010.
- 2) The project proponent needs to obtain the permission to access the dump by including it in the mining plan which needs to be approved by the Indian Bureau of Mines.
- 3) The air pollution that is likely to cause due to removal of dump and its transportation impact needs to be worked out and re-submit.
- 4) Revise and submit the data of the water quality monitoring in the mining pit and assess the carbonation property of the water by Langelier's saturation index and re-submit.
- 5) Revise and submit the Ground water table for the levels of ground water for pre-monsoon and post monsoon seasons.
- 6) Impact of additional crusher on the housing colony and the road traffic adjacent to mine needs to be submitted, with and without controlled measures.
- 7) The project proponent needs to submit the timeline for shifting the village as well as timeline for dump plantation.
- 8) As per the KML, the dump site 4 is located outside the executed mine lease area. It seems to be a case of violation as per the judgement of Hon'ble Supreme Court. PP needs to submit the clarification from DMG.

1.2 Khad-Moosiang Limestone mine of M/s Cement International Limited in the Mine Lease Area of 4.75 ha with the production capacity of 1,25,228 TPA of Limestone & 74,000 TPA of Sandstone located at Village Lumshnong, Tehsil Khliehria, District Jaintia Hills, Meghalaya - [File No. J-11015/26/2022-IA.II (NCM); Proposal No. IA/ML/MIN/271051/2022] – For Terms of Reference

The proposal is for Terms of Reference of Khad-Moosiang Limestone mine in the mine lease area of 4.75 ha of M/s Cement International Limited. The production capacity is 1,25,228 TPA of Limestone & 74,000 TPA of Sandstone. The mine lease area is located near Village Lumshnong, Tehsil Khliehria, District Jaintia Hills, Meghalaya.

1. Project details:

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Location	Latitudes	25° 09' 49.14" to 25° 09' 49.38" N
	Longitudes	92°22' 44.46" to 92° 22' 45.12" E
	Sol Topo sheet No.	83 C/8 (Old) or 83C/SW (New)
Accredited Consultant and certificate no.	Green Circle Inc, Vadodara (NABET/ EIA/ 2124/RA 0219)	
KML file	Submitted	
Seismic zone	Seismic Zone V	

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendments. Project attracts general condition due to presence of Narpuh Wildlife Sanctuary at a distance of approx. 3.4 Km towards SSE direction.
Mining lease Area	4.75 ha

3. Lease Details:

Mining Lease Area	4.75 ha		
Grant of ML & Area	Letter No.	MG.28/2010/116	& M.G. 28/2010/227
	Date	21.12.2010 & 15.10.2018	

4. Nearest village / town/ highway/railway station / water bodies etc.:

Particular	Distance (Km)	Direction
	From Lease Boundary/Proposed Working Pit	
Railway Station		
Hirala railway station	34 Km	SE
Highway		
Nearest National Highway (NH- 6)	1.5 km approx.	NNW direction
Hospitals & schools		
Primary school	about 1.5 km	NNW direction
Health centre	about 1.5 km	NNW direction
Habitation		
Nearest habitation	1.5 km	NNW direction

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

Forest Land/Protected	Yes/No	Details of Certificate/letter/Remarks
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Area/Environmental Sensitivity Zone		
Forest Land	No	As per the DFO Letter No. JH/CIL/2018-19/447/A/451 dated 20.08.2018 confirmed that No forest land.
Wildlife Sanctuary & Eco-sensitive zone	Yes	As per the DFO Letter No. JH/CIL/2018-19/447/A/451 dated 20.08.2018, The Mining lease is located at distance of 3.51 Km away from Narpuh wildlife Sanctuary and 2.31 Km away from Eco-sensitive zone declared vide notification dated 06.09.2017.

7. Additional Information:

The proposal was earlier considered in the 3rd EAC Meeting held during 25th to 26th March, 2019 wherein the committee after detailed deliberation returned the proposal in the present form and requested the project proponent to apply with the following information:

S.No.	Information Sought by the EAC	Reply submitted by the PP through Microsoft Power Point presentation (PPT) vide Email dated 30.05.2022
1.	The Committee during the presentation, the KML file was analyzed on Google Earth, it was observed that the Mining activity is carrying out and the Committee is on the view that the Ministry may seek the clarification from the Department of Mines and Geology, Government of Meghalaya.	Corrected KML as per the state DGPS Sketch submitted at slide no. 4 & No Mining operation Certificate is attached at slide no. 6
2.	PP Mentioned in the Form-I 1,25,228 TPA of limestone, 74000 TPA of sandstone & 44575 TPA of soil ha. However, PP had obtained mining lease only for Limestone over the mining lease area of 4.75 ha, thus, PP may be need to revise the Form-I with clear details of production of Mineral, waste generation, over burden, Inter burden, Topsoil., etc.	Submitted
3.	Total excavation from the Mining lease w.r.t. Total excavation of Limestone, waste, O.B/I.B, Top Spoil etc. should be clearly mentioned in the Form-I.	Mentioned in the Form-1

4.	PP reported that waste dump will be dump outside the mine lease area, 100m away from the mine lease area, the land is owned by Mrs. Lovely Gympad, however as per EIA notification, 2006 the Dump outside Mine lease area is not allowed.	Outside dump Not Proposed as the O.B/Sandstone are saleable.
5.	PP need to provide detailed land break up involved in the mine lease area.	Submitted
6.	PP need to submit the Status of Forest Clearances and Wild Life Clearances.	Submitted
7.	PP needs to submit the MAP clearly demarcating the distance from the mine lease area to ESZ and Narpuh wildlife Sanctuary authenticated by the Chief Wild Life Warden, Govt. of Meghalaya.	Submitted

The project proponent also submitted a letter in the PPT vide letter no. DMR/MM/714/2010/1526 dated 19.12.2018 regarding the no mining operation in the mining lease area.

9. **Recommendation of the Committee:**

The proposal for Terms of Reference was considered in the 51st EAC meeting held on 30th May, 2022. After detailed deliberations, the committee **recommended** the proposal for Khad-Moosiang Limestone mine of M/s Cement International Limited in the Mine Lease Area of 4.75 ha with the production capacity of 1,25,228 TPA of Limestone & 74,000 TPA of Sandstone located at Village Lumshnong, Tehsil Khliehria, District Jaintia Hills, Meghalaya subject to the following specific conditions in addition to the general conditions of non-coal mining projects:

- i. The Project Proponent needs to carry out the cumulative impact assessment showcasing the impact by considering all peripheral mining activities of the combined mine operation for area towards wildlife sanctuary.
- ii. The control case and worst-case scenario needs to be demonstrated with controlling factor and GLCs values for all the pollutants and it should be clearly mentioned. The input parameters used for the modeling also needs to be submitted in the EIA/EMP report.

- iii. The project proponent needs to carry out the study to identify the species including the Schedule-I species and prepare the wildlife conservation plan for the available Schedule- I species. The wildlife conservation plan should cover the impact of mining.
- iv. The project proponent needs to carry out the carrying capacity study & pollution potential of the road for the proposed transportation.
- v. The project proponent needs to carry out the Vibration study and submit the impacts of vibration during blasting in the EIA report. Effective measures should be taken to prevent the damage due to fly rock and its impact on the nearby Lumshnong village. Blasting activity shouldn't cause damage to the nearby villages.
- vi. 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 with a timeline for the concerns of the local people in terms of Education, Health-care and Environment.
- vii. The Project Proponent mentioned a school is at the distance of 1.5 Km from the mine lease area. Therefore the PP shall ensure safety of the school and also mention for betterment of schools and to facilitate the online education system by providing Wi-Fi connectivity, smart classrooms and desktops/tablets, infrastructure, and environment protection.
- viii. The Project Proponent needs to submit the authenticated District Survey Report as per S.O.3611 (E) dated 25th July, 2018 for Minor mineral (Sand stone).
- ix. The impact of earthquake on the mining operation vis-à-vis Safety for the mine be delineated in the EIA report.
- x. Since the mine is on the slope, the hydro-geological study including water & its impact of stream on mine & vice versa to be included in the EIA report. Necessary permission for withdrawal of water from the waterfall reservoir needs to be taken by PP.
- xi. The Project Proponent needs to include the Minor mineral (sandstone) in the mine lease documents and submit the documents before appraisal of EC.

- xii. The Project Proponent needs/ to update the Form-1 as per the submission made during the presentation, regarding the Updated KML file, clear details of production of mineral, waste generation, over burden, Inter burden, Topsoil, O.B/I.B., Land break-up etc.

1.3 Proposal for Expansion in Environmental Clearance of Gudipadu Limestone mine of M/s Sagar Cements (R) Limited in the mine lease area of 454.59 ha for increase in Production Capacity of Limestone from 1.0 MTPA to 4.70 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) along with existing crusher of 350 TPH capacity and proposed crusher of 1200 TPH capacity, located at Village Gudipadu, Mandal Yadiki, District Ananthapuramu, Andhra Pradesh - [File. No. J-11015/231/2012.IA-II (M); Proposal No. IA/AP/MIN/267825/2020; Consultant: B. S. Envi-Tech Pvt. Ltd.] - Environmental Clearance – reg.

1. Project details:

Name of the Project Proponent	M/s. Sagar Cements (R) Limited	
Location	Village	Gudipadu
	Tehsil/Taluka	Yadiki Mandal
	District	Ananthapuramu
	State / UT	Andhra Pradesh
	Latitudes	15°04'51.55"N to 15°07'28.07"N
	Longitudes	77°57'55.91"E to 78°00'16.56"E
	Sol Toposheet No.	57 E/16 & 57 I/4
KML file	Project Proponent presented the KML file during the presentation to indicate the location of mine lease on Google Earth	
Seismic Zone	Seismic Zone – II	
Accredited Consultant and certificate no.	B.S. Envi – Tech Pvt. Ltd Certificate no: NABET/EIA/2023/SA 0157 Valid up to: 15 th May, 2023.	

2. The Project Proponent has made an online application vide proposal no: IA/AP/MIN/267825/2020 dated 04.05.2022 and submitted Form 2 and EIA report under the provisions of the EIA Notification, 2006. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.

3. The details of the project as ascertained from the document submitted by the Project Proponent are mentioned below:

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(i) Details of previous Environmental Clearance (EC) are furnished as below:

Date of application	File No/ Proposal No	Consideration	Details	Date of accord
22.06.2012	F. No: J-11015/ 231/2012.IA.II(M) IA/AP/MIN/ 8005/2012	28 th – 30 th May, 2014	Environmental Clearance for production of 1.0 MTPA (ROM) of Limestone over mining lease area of 454.59 ha in favour of M/s BMM Cements Limited	12.12.2014
19.05.2021	F.No: J-11015/ 231/2012.IA.II(M) IA/AP/MIN/ 210828/2021	-	Transfer of Environmental Clearance from M/s BMM Cements Limited to M/s Sagar Cements (R) Limited for production of 1.0 MTPA (ROM) of Limestone over mining lease area of 454.59 ha	02.07.2021

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

Date of application	Proposal No	Consideration	Details	Date of accord
04.04.2020	F.No: J-11015/ 231/2012.IA.II(M) IA/AP/MIN/ 150902/2020	28-29, May and 1 st June, 2020	Terms of Reference for increase in limestone production from 1.0 to 4.7 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.7MTPA + Top Soil: 0.15MTPA) from Gudipadu Limestone Mine (ML area 454.59 ha) in favour of M/s BMM Cements Limited	12.06.2020
06.07.2021	F.No: J-11015/ 231/2012.IA.II(M) IA/AP/MIN/ 218271/2021	-	Transfer of Terms of Reference from M/s BMM Cements Limited to M/s Sagar Cements (R) Limited for Gudipadu Limestone mine in the mine lease	06.09.2021

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			area of 454.59 ha for increase in limestone production from 1.0 to 4.7 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.7MTPA + Top Soil: 0.15MTPA)	
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(iii) Details of Mine lease

S. no	Grant of Mine lease/ Proceedings	Date of the grant	Mine lease area (Ha)	Name of the Mineral	Period of Grant	Granted by
1	Grant of mining lease vide Lr. Memo. No. 338/ M.III(I)/2010-6 in favour of M/s BMM Cements Limited for their “captive purpose” and subject to submission of Approved Mining Plan, Consent for Establishment from APPCB, Prior EC from Gol under S.O. 1533, dated 14.09.2006.	26.05.2012	454.590	Limestone	20 years	Government of Andhra Pradesh
2	Grant of mining lease vide G.O.Ms.No.119 Industries & Commerce (M.III) Department	04.02.2015	454.590	Limestone	20 years	Government of Andhra Pradesh
3	Proceedings of the Asst. Director of Mines and Geology, Tadipatri vide Ltr. No. 3615/M/2007	15.12.2015	454.590	Limestone	15.12.2015 to 14.12.2035	Government of Andhra Pradesh
4	Order for Change of name from M/s BMM Cements Limited to M/s Sagar Cements (R) Limited vide G.O.Ms.No.23 Industries and Commerce (Mines.III) Department w.e.f, the date of communication received i.e. on 08.04.2017	09.04.2021	454.590	Limestone	-	Government of Andhra Pradesh

(iv) Land Use/Land Cover of the Mine lease area:

Private land	401.63 Ha
Government land	52.96 Ha

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Total Mining lease area (MLA)	454.59 Ha.
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

(v) Mining plan details:

Modified Mining Plan (including Progressive Mine Closure Plan) approved by Indian Bureau of Mines in favour of M/s BMM Cements Ltd (Changed as M/s Sagar Cements (R) Ltd)	Letter No.	AP/ANP/MP/Lst-58/Hyd
	Date	13.10.2020
	Mine lease area	454.59 ha
	Mineral	Limestone
	Validity	01.09.2020-2021 to 2024-25
Mining Parameters	Quantitative Description	
Method of Mining	Opencast mechanized mining with deep hole drilling and blasting.	
Geological Reserves	162.642 Million Tonnes	
Mineable Reserves	128.557 Million Tonnes	
Life of mine	34 years @ 4.70 MTPA (Mining Lease period – 20 Years up to 14.12.2035)	
Bench Height and Width	9m respectively	
Individual bench slope	60°	
Overall pit slope	45°	
Drilling/Blasting	Drilling will be carried by Down the hole DTH (115 mm) diameter holes, conventional blasting	
RoM output size	-50 mm	
Transportation details	The limestone from the mine is transported from the working face to the crusher by a road length of 1.6 km by 25 tonner tippers. Crushed limestone will be transported to cement plant by conveyor belt over 2.2 km distance.	
Dumpers capacity	25 Tonnes	
Crusher	PP submitted that at present 350 TPH crusher is in operation. A new crusher of 1200 TPH will be installed at pit head for crushing the limestone along with a new parallel conveyor for the expansion phase.	
OB/Waste	PP reported that there is no waste generation from the mine. Top Soil of about 3.23 million cu.m will be generated and the same will be used for afforestation purpose in barrier zones of 7.5 m width boundary, road and seasonal stream. Subgrade which is part of limestone production will be temporarily stored at crusher and consumed by blending.	
Ultimate Depth of Mining	37m bgl	

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Water table	40m bgl
Groundwater intersection	No Groundwater intersection

(vi) Water requirement:

Total water requirement	100m ³ /day	Fresh water	100m ³ /day
		Treated water	-
Source	Mine pit (water collected through rainwater harvesting)		
Permission	NA		

(vii) Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Distance & Direction
Nearest village	Gudipadu Village	0.45 km, West
Nearest Town	Tadipatri	18.73 km, South
Nearest Highway	National Highway (NH-67) Guntakal - Proddatur	7.15 km, South
Nearest Railway station	Juturu	15.95 km, South West
Nearest Water body	Pedda Vanka	0.45 km, East

(viii) Presence of Environmentally Sensitive areas in the study area:

Forest Land/Protected Area/ Environmental Sensitivity Zone	Yes/No	Details of Certificate/ letter/ Remarks
Forest Land	No	PP submitted the letter from the Office of the District Forest Officer, Ananthapuramu vide Rc.No.2511/2020/TO dated 20.01.2021 stating that 1) <i>There is no forest area inside the mining area. The distance from the mining area to the nearest RF i.e., Yadiki RF is 8.10 kms</i> 2) <i>There is no existence of any National Parks, Wildlife Sanctuaries and Sensitive areas within 10kms of the leased area.</i>
National Park	No	
Wildlife Sanctuary	No	
Sensitive Areas	No	
Schedule-I species	No	PP submitted the letter from the Office of the District Forest Officer, Ananthapuramu vide Rc.No.2511/2020/TO dated 20.01.2021 wherein the details of fauna within 10 kms of the lease area are mentioned. As per the DFO letter dated 20.01.2021 there is no Schedule-I species reported in the 10km

	radius of the study area.
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(ix) Green belt/plantation details:

Proposed area for green belt/plantation	28.41 Ha (Out of this, 14.52 Ha already developed with planting of 25,777 no. of saplings)
Budget for green plant & plantation till the end of life of mine.	Capital Cost: Rs.152.28 Lakhs Recurring Cost: Rs. 140.62 Lakhs
Budget for nursery	Nil
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	7.28 ha
50 m safety zone of nallah, roads, electric lines	Safe Zone of Road - 4.33 ha Safe Zone of Nala - 16.80 ha
500 m safety zones of nearest habitation villages	-

(x) Baseline detail:

The primary baseline data for specific micro-meteorology data, ambient air quality, waste quality, noise level, soil and flora & fauna has been collected during Winter Season i.e., December, 2019 to February, 2020. The Monitoring results of ambient air, surface water, soil, ambient noise and ground water have been reported and no major divergence was observed with respect to concentration values of various parameters of collected samples.

Period	December, 2019 to February, 2020				
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	18.7	30.4	29.5	60
	PM10	44.8	60.7	60.3	100
	SO2	8.2	14.6	14.2	80
	NOx	9.0	15.8	15.3	80
AAQ modelling (Incremental GLC) – EPA approved AERMOD model version 10.2.0	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
	PM10	60.3	20.3	80.6	100
	PM2.5	29.5	6.7	36.2	60
	SO2	14.2	3.1	17.3	80
	NOx	15.3	17.4	32.7	80
Noise level at 9 locations	Day Time: 41.8 to 62.5 Leq dB (A) Night Time: 50.6 to 70.8 Leq dB (A)				
Ground water quality at 8 locations	PP reported that pH of collected water samples varied from 6.62 – 7.79 which is alkaline in nature. Total hardness as CaCO_3 was found to be in the range 83 - 584 mg/l. Total Dissolved Solids in the				

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	water samples ranged from 126-1120 mg/l. Chloride ranged between 6-178 mg/l. PP also reported that all parameters of ground water samples are well within the acceptable limits of IS 10500-2012 except for Total Dissolved Solids, Total Hardness, Calcium and Total Alkalinity. These parameters though above acceptable limits, they are well within the permissible limits.
Surface water quality at 1 location	PP reported that the pH of 7.68 is slightly alkaline in nature, DO is found to be 6.2 mg/l and BOD is less than 2 mg/l. This water falls under the category E which can be used for the irrigation purpose in the nearby agriculture fields.
Soil quality at 9 locations	PP reported that pH (7.74-8.25) of all samples indicated slightly alkaline in nature. Most of the soil samples are sandy loam. The Nutrient Nitrogen (28-394 kg/ha) is more than sufficient, Potassium (24-324 kg/ha) and Phosphorous (4-62 kg/ha) are moderate and the soils show good fertility range based on NPK values. Organic carbon is less at few places and requires addition of manure. SAR value also indicates that the sodicity is not there in the soils and the transfer of water from irrigating water to soil is normal. All Micro nutrients like Zinc, Copper and Manganese, when extracted were found to be sufficient. It is found that the soils are with good fertility and with minimum application of fertilizers and manure, the agricultural operations are normal and better yielding.

(xi) Public Hearing (PH) Details:

Advertisement for PH with date	“The Hans India” (English News Paper) and “Eenadu” (Telugu News Paper) on 07.12.2021
Date of PH	07.01.2022
Venue	Near the main gate of the Cement plant of M/s Sagar Cements (R) Limited, Gudipadu Village, Yadiki Mandal, Anantapur District, Andhra Pradesh
Chaired by	Smt. B Gayatri Devi., District Revenue Officer & Addl. District Magistrate, Ananthapuramu District, Andhra Pradesh
Main issues raised during PH	Employment for local people, to implement latest technology in controlling of noise & ambient air quality for the proposed expansion project, Welfare activities, to implement the developmental activities, to provide Sewing Centre, to provide water line along with tap connection facility to Kundanakota village, to extend help in providing cell tower to facilitate the students to attend the online classes without any interruption.
Budget proposed for addressing issues raised during PH	PP has allocated Rs. 72.22 Lakhs under mines + Rs 268.0 Lakhs under Cement Plant towards the public hearing demands and need based activities.

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(xii) Details of CTE/CTO, Previous EC Compliance, Past Production details:

Consent for Establishment	PP submitted the Consent for Establishment obtained from Andhra Pradesh Pollution Control Board vide Order No. 145/PCB/CFE/RO-KNL /HO/2014, dated 13.02.2015 for mining of Limestone of 1.0 MTPA																												
Consent for Operation	PP submitted the Renewal of Consent order issued by the Andhra Pradesh Pollution Control Board vide Order No. APPCB/KNL/ATP/17731/HO/CFO/2021, dated 16.07.2021 for mining of Limestone of 1.0 MTPA and is valid up to 31 st January 2026																												
Certified EC Compliance report	PP submitted the EC compliance report certified by MoEF&CC, Regional Office (SEZ), Chennai vide Lr No: E.P/12.1/2014-15/17/AP/678 dated 26.08.2020 for the earlier EC dated 12.12.2014. Site visit was conducted by Regional Office on 22.08.2020.																												
Past Production details	PP submitted the past production details certified by Dept of Mines and Geology vide Lr.No. 3615/M1/2007 dated 27.07.2021 for the period 2015-16 to 2020-21. PP also submitted that mining operations were commenced in the ML area on 23.12.2015 after obtaining necessary permissions. <table border="1" data-bbox="540 957 1398 1262"> <thead> <tr> <th>S. No</th> <th>Year</th> <th>EC Capacity (MTPA)</th> <th>Limestone dispatches (MTPA)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2015-16</td> <td>1.0</td> <td>0.15</td> </tr> <tr> <td>2</td> <td>2016-17</td> <td>1.0</td> <td>0.83</td> </tr> <tr> <td>3</td> <td>2017-18</td> <td>1.0</td> <td>0.87</td> </tr> <tr> <td>4</td> <td>2018-19</td> <td>1.0</td> <td>0.99</td> </tr> <tr> <td>5</td> <td>2019-20</td> <td>1.0</td> <td>0.99</td> </tr> <tr> <td>6</td> <td>2020-21</td> <td>1.0</td> <td>0.99</td> </tr> </tbody> </table>	S. No	Year	EC Capacity (MTPA)	Limestone dispatches (MTPA)	1	2015-16	1.0	0.15	2	2016-17	1.0	0.83	3	2017-18	1.0	0.87	4	2018-19	1.0	0.99	5	2019-20	1.0	0.99	6	2020-21	1.0	0.99
S. No	Year	EC Capacity (MTPA)	Limestone dispatches (MTPA)																										
1	2015-16	1.0	0.15																										
2	2016-17	1.0	0.83																										
3	2017-18	1.0	0.87																										
4	2018-19	1.0	0.99																										
5	2019-20	1.0	0.99																										
6	2020-21	1.0	0.99																										

(xiii) Rehabilitation & Resettlement (R&R):

R & R details	No R &R is involved in the project area.
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(xiv) Court case details:

Court Case	PP submitted that there is no any Court Cases pending against the project and/or land in which the project is proposed to be set up
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(xv) Affidavit/Undertaking details:

Affidavit in a Non-Judicial stamp paper of Rs 100 bearing AF 054335 dated 04.08.2021 as per Ministry's	M/s Sagar Cements (R) Limited shall 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
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OM dated 30.05.2018	Union of India & Ors.
Project Proponent submitted an Undertaking dated 21.04.2022	PP submitted an undertaking to the effect that the conditions laid down in Terms of Reference (TOR) issued by Ministry vide letters dated 12.06.2020 & 06.09.2021 have been addressed in the subject final EIA Report. The information and data submitted is factually correct and Sagar Cements (R) Limited owns the contents of the report.
Consultant submitted an Undertaking dated 18.04.2022	The Consultant submitted an undertaking that ' <i>M/s B.S. Envi-Tech Pvt. Ltd has complied with all the prescribed Terms of Reference (TOR) issued by Ministry of Environment, Forests & Climate Change (MoEF&CC) in preparation of Final EIA Report</i> '. The Head of the Accredited Consultant Organization also confirm that <i>I shall be fully accountable for any mis-leading information mentioned in this statement.</i>
Plagiarism Certificate certified on 18.04.2022	The Head of the Accredited Consultant Organization/ Authorized person certified that FEIA Report has been evaluated using online/inhouse software viz., Plagiarism Checker X - Report (Purchased). The report produced has been analyzed by the system and based on it, I certify that the EIA report produced in accordance with good scientific practice.

(xvi) Details of the EMP:

Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
Dust Suppression Measures	30.00	30.0
Environmental Monitoring	50.00	75.0
Greenbelt development	152.28	140.62
Occupational Health Check up	0.00	174
Rainwater Harvesting Structures & Garland Drain	25	15
Total (Lakhs)	257.28	434.62

(xvii) Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	2.5728
Budget for addressing the Public Hearing issues	Rs. 0.7222 Crores under mines + Rs. 2.68 Crores under Cement Plant
Total Cost for EMP	2.5728
Recurring Cost for EMP	4.3462
Project Cost	10.0
Employment	56 Persons

4. The EAC after detailed deliberations made by the Project Proponent and the Consultant, the EAC noted that the instant proposal is for expansion of limestone production from 1.0 MTPA to 4.70 MTPA with existing crusher capacity of 350 TPH. The EAC also noted that the PP has transferred the lease, EC and TOR from M/s BMM Cements Limited to M/s Sagar Cements (R) Limited.

The EAC on viewing the KML noted that the seasonal nala is passing through the mine lease area from NW corner to the SW side of the mine lease area. The Project Proponent has informed the EAC that the safety distance of 50m has been left on the either side of the nala.

The EAC noted that the patches of agriculture land are visible in the mine lease area. The Project Proponent has informed that the total mine lease area is 454.59 ha, out of which 401.63 ha is agriculture land and also PP committed that they will allow the farmers to continue the farming. The EAC also asked the Project Proponent to permit the access for unleased area.

The EAC also observed that the Project Proponent has informed that the crusher of 350 TPH capacity will be dismantled in the year 2024-25 after the commissioning of new crusher of 1200 TPH capacity along with the conveyor and the EAC was of the view that unless the new crusher and conveyor is in place, the Project Proponent shall not increase the production capacity from the existing EC capacity of 1.0 MTPA.

The EAC asked the PP about the development of greenbelt in the past 5 years. PP has replied that the saplings of 6ft height have been planted and particularly during the monsoon in the last year about 30,000 no. of saplings have been planted with the survival rate of 80-90%. The EAC was of the view that the actual counting was not done by the PP/Consultant and opined that the PP shall ensure that the 95% survival rate for the proposal of new and gap plantation and the report in this regard shall be submitted to the Ministry.

The EAC observed that production is within the limits of EC capacity of 1.0 MTPA based on past production details certified by Dept of Mines and Geology vide letter dated 27.07.2021 for the period 2015-16 to 2020-21. However, PP has not submitted the past production details for the year 2021-22.

The EAC observed that the PP has submitted the EC compliance report certified by the Regional Office vide letter dated 26.08.2020 for the earlier EC dated 12.12.2014. No non-compliances were detected by Regional Office during the site visit on 22.08.2020. Further again Integrated Regional Office has recently made the site visit in the month of April, 2022, of which report is awaited.

Based on the above discussions held, the EAC **recommended** the proposal for grant of Environmental Clearance for M/s Sagar Cements (R) Limited for mining of Limestone in Gudipadu Limestone mine for expansion of production capacity of Limestone from 1.0 MTPA to 4.70 MTPA with Total Excavation of 4.85 MTPA (Limestone: 4.70 MTPA + Top Soil: 0.15 MTPA) along with existing crusher of 350 TPH capacity and proposed crusher of 1200 TPH capacity in the mine lease area of 454.59 ha, located at Village Gudipadu, Mandal Yadiki, District Ananthapuramu, Andhra Pradesh, under the provisions of EIA Notifications, 2006 and its amendments therein, subject to the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects:

- i. The Environmental Clearance will be functional only after the execution of lease deed in the name of M/s Sagar Cements (R) Ltd.
- ii. The Environmental Clearance will be valid till 14.12.2035.
- iii. The expansion of Limestone production from 1.0 MTPA to 4.70 MTPA will be operational only after the commissioning of new crusher of 1200 TPH along with the Over Land Belt Conveyor (OLBC). Till then the capacity of the mine will remain up to 1.0 MTPA. New crusher and conveyor will be tested for 1.0 MTPA first and then the mine shall commission for 4.70 MTPA. The commission of new crusher of 1200 TPH capacity along with the conveyor shall be intimated to the Ministry's Integrated Regional Office. Accordingly, SPCB shall not grant Consent to Operate (CTO) for the expansion capacity of 4.70 MTPA production.
- iv. The Project Proponent should install the one continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- v. 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.
- vi. The Project Proponent shall continue to monitor the water quality of stream/nallah with specific reference to Langelier Saturation Index to assess the impact of calcium carbonate on water quality.

- vii. PP shall undertake dense tree plantation of native fruit bearing species all along the safety zone (already left of 50 mts) on either side of nallah within three years and certify this with DFO.
- viii. The Project Proponent shall monitor the noise level and ground vibration by installing adequate no. of monitoring station during drilling and blasting at the edge of the mine, near the nallah/stream, near the village, near the agriculture field, crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry's Integrated Regional Office.
- ix. The Project Proponent needs to install the permanent water sprinklers along the haul road of length 1.6km. Further, 5 nos. of fog canon/mist sprayer of atleast 40 mtrs throw shall be installed at various location in the mine area.
- x. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.
- xi. The Project Proponent needs to review any damage of the cotton crops due to mining and crushing operations and accordingly the Project Proponent needs to undertake necessary steps to any damage.
- xii. The Project Proponent shall ensure the survival rate of 95% for planting the gap plantation and new plantation. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Integrated Regional Office. PP shall undertake the progressive bench plantation up to HFL for eco restoration of water bodies.
- xiii. The budget of Rs. 72.22 Lakhs 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.
- xiv. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 2.57 Cr by PP. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.

- xv. The Project Proponent shall take adequate measures for protection of unleased area and shall permit access to farmers to continue their regular activity.
- xvi. The Project Proponent shall strictly follow the mitigation measures provided in MoEF&CC Office Memorandum No. Z-11013/57/2014-IA.II(M), dated 29th October, 2014.
- xvii. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.
- xviii. The Project Proponent needs to facilitate the online education system by providing Wi-Fi connectivity, smart classrooms and desktops/tablets.
- xix. The Project Proponent needs to provide the RO plant for the purpose of drinking for the people coming under the zone of influence of this mining activity.
- xx. The Project Proponent shall provide the Sewing Centre at village Kundanakota for the benefit of the local people.
- xxi. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxii. The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.

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

IA/TG/MIN/53618/2007, Consultant: BS Envi-Tech (P) Ltd] – Reconsideration of Environmental Clearance (Violation under SOP)

1. The instant proposal is for reconsideration of Environmental Clearance for mining of Limestone in Sultanpur Thanda Limestone mine for expansion of production of limestone from 0.05 to 1.0 MTPA with Total Excavation of 1.0 MTPA [Limestone – 1.0 MTPA (ROM) and Waste/Reject/IB/OB/Top Soil – Nil] in the mine lease area of 42.83 Ha located in Survey No 540 (P), at Pedaveedu Village, Matampalli Mandal, Nalgonda District, Telangana.

2. The EAC during deliberations noted the following:

The proposal was earlier considered in the 48th EAC (Non-Coal Mining) meeting held during 28th - 30th March, 2022 based on the MoEF&CC Office Memorandum F.No. 22-21/2020-IA.III [E 138949] dated 28.01.2022 w.r.t observation of Hon'ble Supreme Court in the matter of Civil Appeal Nos. 7576-7577 of 2021 in Electrosteel Steels Limited Vs Union of India and Ors., with reference to the SoP dated 7th July, 2021 for identification and handling of violation cases under EIA Notification, 2006. After detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the PP has not submitted the final closure report issued by the Integrated Regional Office for the non-compliances identified in certified EC compliance report vide Lr No ENV/IRO-HYD/CCR-05/A/2021/33 dated 03.07.2021. The Committee observed that the mine lease area does not fall in the Forest area, but the mine lease area is adjacent to the Reserve Forest about 170m and PP has not submitted the authenticated list of flora and fauna in the study area of 10km radius. Therefore, the Committee deferred the proposal for want of requisite information. The Project Proponent vide Lr Ref: NCL/EC/MoEF&CC/Mine/2022 dated 26.04.2022 submitted the information on 27.04.2022 in PARIVESH portal and accordingly the proposal was reconsidered in the 51st EAC (Non-Coal Mining) meeting held during 12th – 13th May, 2022.

Based on observation of EAC and compliance of observation of EAC made by PP, the following are detailed below:

S. No	Observation of EAC	Reply by Project Proponent
1	The Project Proponent needs to submit the satisfactory final closure report issued by the Integrated Regional Office for the non-compliances identified in certified EC compliance report vide Lr No ENV/IRO-HYD/CCR-05/A/2021/33 dated 03.07.2021.	PP submitted the final closure report issued by the Integrated Regional Office, Hyderabad vide E-F.No: ENV/IRO-HYD/CCR-05/A/2021 2158 dated 19.04.2022 against partial compliances/recommendations. The action taken report submitted by PP was verified at during the revisit on 13.04.2022

		wherein the Integrated Regional Office mentioned that the conditions are compiled and being complied.
2	<p>The project proponent needs to submit the clarification sought by EAC during the meeting and submitted by email to be uploaded on the Parivesh.</p> <p>Revised Damage Assessment and Remediation Plan</p> <p>Capital Cost details for the Public Hearing commitment which can be monitored totally to the cost of 1.00 % of the project cost (for brown field projects) in line with CER as per OM dated 1st May, 2018</p> <p>Commitment of NCL to display the Boards on using the Hospital facility by the local villagers</p> <p>Strengthening of Transportation Route</p>	<p>PP has submitted the information sent by email dated 29.03.2022 sought by the EAC in its 48th EAC (Non-Coal Mining) meeting held during 28th - 30th March, 2022 in PARIVESH.</p> <p>PP submitted that the Damage Assessment and Remediation Plan have been revised as per the EAC appraisal based on the EU28 emission inventory. PP also submitted that the Bank Guarantee has been revised to an amount of Rs.5.54 lakhs and the penalty amount revised to Rs.6.33 lakhs as per SOP dated 07.07.2021.</p> <p>PP submitted that as per CER they have to spend Rs 6.0 Lakhs i.e., 1 % of Rs 600 Lakhs (capital cost). PP also submitted that they have full filled the commitments of Public Hearing (conducted on 29.05.2018) demands by spending Rs 44.45 Lakhs. The capital cost spent which is measurable and proposed for maintenance is Rs 33.2 Lakhs and recurring cost of Rs 5 Lakhs will be spent upto life of the mine.</p> <p>PP has committed to display the Boards that the medical facilities of Hospital of NCL can be utilized by local villagers.</p> <p>PP submitted that the transportation route will be strengthened by incurring an amount of Rs 1 Lakhs/km i.e., 2 Lakhs/annum upto life of the mine.</p>

	Three Tier Plantation on the Bund formed as per the DGMS approval	PP has committed to develop three tier plantations on the Bund at 2 m interval by planting 1300 saplings which will be developed as per the DGMS approval within three years by incurring an amount of Rs 2.00 Lakhs.
3	The Committee noted that the mineral is being transported by road near the canal under the flyover bridge. Hence, the Project Proponent needs to submit the undertaking and the plan for transportation of mineral over the flyover bridge and its impact scenario.	PP submitted that the limestone from the subject mine is not transported through flyover bridge. This flyover bridge is located within the mining lease of NCL Gundlapalli Limestone Mine and is not falling in the path of transportation route of subject mine. PP has developed this concrete flyover in the year 2020 for transportation of limestone from adjacent NCLs Gundlapalli Limestone Mine. PP also submitted the map showing the location of subject mining lease area (Sultanpur tanda ML) and flyover bridge.
4	The Project Proponent needs to submit the measures taken for protection of water bodies in the vicinity of the mine lease area and river Krishna (0.6 Km, S) due to mining activity.	PP submitted that as per the DGMS approval bund of 887 m has been developed. Further a drain of 971 m will be provided along the southern boundary of the mining lease area with collection pit 20 x 20 m with retention time of 4 hours and to collect and desilt the storm water. The silt free water will be discharged into existing natural stream which drains into the river Krishna.
5	The Committee observed that the mine lease area does not fall in the Forest area, but the mine lease area is adjacent to the Reserve Forest about 170m. Hence, the PP needs to submit the safety measures taken for protection of Reserve Forest which is about 170m. PP should also submit the list of Schedule – I species present in the study area of 10km radius	PP submitted that the following measures for proposed for protection of forest such as <ul style="list-style-type: none"> i. Fencing on the northern boundary ii. Mesh to prevent fly rock iii. 7.5 m barrier zone tree plantation iv. Sign boards to prevent fires PP also submitted the letter From

	authenticated from the Principal Chief Conservator of Forest (PCCF).	Forest Department, Govt of Telangana, vide letter no. Rc No. 75/2017/S, dated 16.08.2019 stating <i>“There are no endangered species of flora and fauna existing in the 10 km radius area and it has neither ecological nor economic importance. Only normal species of brushwood and thorny bushes are seen”</i> . Further, PP submitted that the copy of this letter was also marked to the Chief Conservator of Forests/Conservator Forests, Khammam.
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3. The Project Proponent submitted that there was excess production against the EC capacity of 50,000 TPA during the period 2015-16 by 2000 TPA, 2016-17 by 1000 TPA and 2018-19 by 21 TPA. Total excess production in three years is about 3021 T. The maximum excess production of 6 T/Day (2000 TPA) is considered for damage assessment. The assessment carried out on all the environmental aspects showed no impact/negligible impact. PP considered the protocol followed by TS SEIAA to arrive at cost of damage assessment. PP submitted that as the baseline data collected and analyzed was three years old (Dec-2016 to Feb-2017), PP revalidated the baseline data covering summer season (March-May, 2021). PP submitted that 9 attributes are falling in low category and the damage cost is worked out for low level ecological damage. PP also submitted that the equivalent area of damage for excess production of 3021 Tonnes worked out based on mine planning. The area is estimated to be about 100m² (0.01 ha). However, for estimation of damage cost, an area of 0.5 ha considered and the damage cost for the same is estimated to be about Rs 60,000. EMP comprising remediation plan and natural and community resource augmentation worked out as Rs 1.03 Lakhs with time schedule of two years. Economic benefits derived due to violation is Rs 1.9 Lakhs. PP submitted that Bank guarantee will be submitted after EAC appraisal on deciding the amount. PP vide email dated 29.03.2022 submitted that the Bank Guarantee has been revised to an amount of Rs.5.54 lakhs and the penalty amount revised to Rs.6.33 lakhs as per SOP dated 07.07.2021.

Penalty calculation (As per SOP issued vide OM No F. No. 22-21 /2020-IA.III dated 7th, July, 2021)

a. Penalty 1 % of project cost of Rs 6.0 Cr = Rs 6.0 Lakhs							
b. Penalty @ 0.25 % of Turnover on Excess production as per SOP of MOEFCC							
Year	Excess Limestone	Corresponding Clinker	Corresponding Cement	Number of Bags	Price Per	Turnover (Rs) on	Penalty in Rs @ 0.25

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	production (Tonnes)	Production (Tonnes)	Production (Tonnes)	@50 kg/bag	Bag (Rs)	Excess Limestone through Cement Sale	% of Turnover on Excess production as per SOP of MOEFCC
2015-16	2000	1333.333	1400	28000	300	8400000	21000
2016-17	1000	666.6667	700	14000	330	4620000	11500
2018-19	21	14	14.7	294	340	99960	250
Penalty							32750
Project Cost of Excess Production							0
Total							33000
Total Penalty = a) + b) = Rs 6.00 Lakhs (1% of capital cost) + Rs 0.33 Lakhs = Rs 6.33 Lakhs							

Summary of amount for Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan

S. No	Description	Total amount (Rs Lakhs)
1	Remediation Plan	1.50
2	Natural Resource Augmentation Plan	2.04
3	Community Resource Augmentation Plan	2.00
4	Total	5.54

Remediation Plan

S. No	Particulars	Description
1	Identified area	Development of Plantation in Sultanpur Tanda Village
2	Number of Saplings	1000
3	Species considered	Gulmohar, Neem, Sisoo, Tangeda, Turayi etc
4	Cost per sapling	Rs 150 /- (including soil works)
5	Time of Completion	2 years
6	Total cost of Saplings	Rs 1,50,000/-

Natural Resource Augmentation Plan

S. No	Particulars	Items	Amount in Rs
NCL Junior college			
1	Piping length	12 m	20,400 /-
2	Cost /m, Rs /m	1700 x 12	
3	No harvesting pits	10 no.s	1,00,000 /-
4	Cost per pit @ Rs 10000/pit	10 x Rs 10,000 / -	
Sultanpur Tanda Village			
5	No Harvesting pits	8 no.s	

6	Cost per pit @ Rs 10000/pit	8 x Rs 10,000 / -	80,000 /-
	Total		2,04,000

Community Resource Augmentation Plan

S. No	Particulars	Description
1	Location	Sultanpur tanda (relocated village) and Pedaveedu villages
2	No. of Solar lights	20 no.s each village
3	Cost @ Rs 5000/- per light	40 x 5000 /-
4	Time period	1 year
5	Total Cost	Rs 2,00,000/-

4. The EAC after deliberations noted that the instant proposal is for expansion of limestone production from 0.05 to 1.0 MTPA. The EAC deliberated on the ADS points submitted by the Project Proponent and noted that the PP has properly worked out the cost of damage assessment as well as the provision of the penalty as per SOP dated 07.07.2021.

Further, the EAC observed that the mine lease area is in close proximity to the river Krishna and noted that there is a drain which allows the backwater into the mining area and the rainfall and surface outflow from the mine drains into the river Krishna. The Project Proponent also informed the EAC that there is a likelihood chance of mine inundation due to river Krishna and an earthen bund of height 5m has been constructed. The RL on the eastern side is 53 and on the western side is 60m.

The EAC was of the view that the settling tank proposed with a dimension of 20 x 20m without mentioning the depth shall be properly designed to prevent any runoff from the mine surface during operative period carrying silt into Krishna River. The EAC opined that after studying the annual rainfall, per day silt load, settling velocity of the silt, retention time required shall be studied in detail through a recognized institution with also a provision to monitor the turbidity of the overflow from the siltation tank as well as monitoring of the turbidity into the drains.

The EAC asked the Project Proponent to design the bund in such a way that the adequate height top and bottom width will prevent flood water entering into the mine and such designed bund should last for the entire life of the mine. The EAC also asked the Project Proponent to study the scenario in the likelihood of river water entering into the mine pit below the RL of the HFL and the measures that are required to be taken for prevention of seepage and in the event of seepage to drain out the water through settling tank be also submitted. Based on the above discussions held, the EAC therefore **deferred** the proposal and asked the Project Proponent to submit the following additional information: -

- i. The committee noted that the mine lease area is in close proximity to the river Krishna and noted that there is a drain which allows the backwater into the mining area and the rainfall and surface outflow from the mine drains into the river Krishna. Hence, the Project Proponent needs to submit the detailed report on the engineering design for garland drain, settling tank and check dams and its efficacy through recognized institution for further appraisal of the proposal. The study should also include the per day silt load, settling velocity of the silt, retention time required based on the annual rainfall with a provision to monitor the turbidity of the overflow from the siltation tank as well as monitoring of the turbidity into the drains.
- ii. The Project Proponent needs to explore the likelihood of river water entering into the mine pit below the RL of the HFL and the measures that are required to be taken for prevention of seepage and in the event of seepage to drain out the water through settling tank.
- iii. The Project Proponent needs to submit the Approval Letter from Directorate General of Mines Safety (DGMS) for safety of bund adequacy.

1.5 Jai Singh Desar Ball Clay, Red and Yellow Ochre mine of M/s Sharda Sales Corporation in the Mine Lease Area of 129.50 ha for increase in production capacity of Ball Clay from 13,587 TPA (ROM) to 1,00,000 TPA [94630.17 Ball Clay (ROM), Inter burden 4980.53 TPA, Over burden 39251.88 TPA, nil production of Red and Yellow Ochre, (Total excavation including Ball Clay, OB, IB, Top Soil etc. is 138862.580 TPA)] located at Village Jai Singhdesar, Tehsil Nokha, District Bikaner, Rajasthan - [File No. J-11015/219/2015-IA.II(M); Proposal No. IA/RJ/MIN/181564/2017] - Reconsideration of EC (Violation)

The proposal of M/s Sharda Sales Corporation is for Jai Singh desar Ball Clay, Red and Yellow Ochre mine in the Mine Lease Area of 129.50 ha. The proposal is for increase in production capacity of Ball Clay from 13,587 TPA (ROM) to 1,00,000 TPA [94630.17 Ball Clay (ROM), Inter burden 4980.53 TPA, over burden 39251.88 TPA, nil production of Red and Yellow Ochre, (Total excavation including Ball Clay, OB, IB, Top Soil etc. is 138862.580 TPA)]. The mine lease area is located at Village Jai Singhdesar, Tehsil Nokha, District Bikaner, Rajasthan. The proposal is submitted in compliance to the Ministry's notification S.0.804(E) dated 14th March, 2017.

1. Project details:

Location	Latitudes	27°41'25.83"N to 27°42'18.5"N
	Longitudes	73°8'38.2"E to 73°9'8.45"E
	Soil Topo sheet No.	45E/2

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Accredited Consultant and certificate no.	ApexMintech Consultants QCI/NABET/ENV/ACO/17/0332
KML file	Submitted
Seismic zone	Zone-III (Moderate) as per IS-1893 (Part-I)-2002

2. Category details:

Category of the project	Category "A", Project or Activity 1(a) – 3 for Mining of Mineral
Provisions	As per EIA Notification S.O. 1533 (E), dated 14th September 2006 and subsequent amendment and under Notification No. S.O.804(E) dated 14.03.2017
Mining lease Area	129.50 Hectare

3. Terms of Reference details:

ToR Proposal No.	IA/RJ/MIN/28942/2015
Online application date for Form-I	02 July 2015
Documents Submitted	Form-1, PFR, KML file, approved copy of the Mining Plan cum Progressive Mine Closure Plan
ToR Letter No.	J-11015/219/2015-IA.II(M)
ToR grant Date	20 th September, 2019
Production capacity	1,00,000 TPA of Ball Clay
Soil	-
Waste	39251.88 TPA(Overburden)+4980.53 TPA (Interburden)
Total Excavation	1,44,232.41 TPA
EIA/EMP uploaded on	03.11.2020
Earlier EAC meeting details	38 th EAC meeting (Violation Committee) held during 19.11.2020

4. Lease details:

Letter of Intent	Letter No.	F-1(82)/Khan/Gr.2/84
	Date	02.02.1985
	Area	129.50 Hectare
	In favor of	M/s. Sharda Sales Corporation, Proprietor, Smt. Sharda Devi Poddar
Mine lease agreement	The mining lease agreement was executed on 27.06.1985 and registered on 11.10.1985. So the lease period was valid from 11.10.1985 to 10.10.2005.	
Renewal of mine lease	The Government of Rajasthan extended the period of mining lease by 4 years 5 months 24 days with effect from 28.07.2008 on which repossession of the mining lease was given to the lessee. Thus the period of mining lease was ultimately up to 21.01.2013.	

Validity of mine lease	21 st January, 2043 (As per the Mines and Minerals (D&R) Amendment Act, 2015)
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5. Mining plan details:

Mining Plan (approved by Indian Bureau of Mines/DMG)	Letter No.	Mining Scheme with Progressive Mine Closure Plan has been approved by the Superintending Mining Engineer, Bikaner Circle Bikaner, Rajasthan.
	Date	20.11.2017
	Validity	20.11.2022
Mining Parameters	Quantitative Description	
Bench Height	2.5 to 5 m.	
Bench Width	15 to 18 m.	
Method of Mining	Open Cast Semi Mechanized	
Individual bench slope	Vertical to 10°	
Overall pit slope	38°	
Drilling/Blasting	None	
RoM output size	5-10 cm lumps	
Life of mine	19.93 years Say 20 Years	
Transportation details	By Road	
Dumpers capacity	25 Tons	

6. Land Area Breakup:

Private land	76.7 Ha.
Government land	52.8 Ha.
Total Mining lease area (MLA)	129.50 Ha.

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

Particulars	Particular's Name	Distance & Directions
Nearest village	Jaisingh Desar village	~0.44 Km. in the North
Nearest Town / City	Nokha	~35.27 Km. in the South-East
Nearest State/National Highway	N.H.89	~19.40 Km. in the North-East
	N.H.15	~27.00 km in the North-West
Nearest Railway Station	Nokha	~35.27 Km. in the South-East
	Bikaner	~37.90 Km. in the North-East.
Nearest water bodies	Pithrasar village water pond	~2.30 Km. in the NorthEast

8. Water requirement

Total water requirement	6.00 KLD	Fresh water	1.00
		Treated water	5.00
Source	1.0 KLD water will be purchased from the market for drinking purpose. The rain water accumulated in the old pit will meet the requirement of additional quantity of water.		
Permission	None		

9. 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	A copy of the letter no. एफ()/osZ / 2016-17/7954 dated 10.11.2016 to the effect issued by the Dy. Conservator of Forest, Bikaner is enclosed in the final EIA/EMP report.
National park	No	
Wildlife Sanctuary	No	
Eco-Sensitive Zone(ESZ)	No	

Schedule-1 species	Yes/No	Details of Certificate/letter/Remarks
Schedule-I species	Yes	A list of Fauna separately for the core zone and the buffer zone duly authenticated by the Dy. Conservator of Forests, Bikaner, vide his letter no. 2016-17/7889 dated 9.11.2016 is enclosed with final EIA/EMP.
Wildlife Conservation Plan	Yes	A conservation plan for <i>Gazellabennettii</i> (Chinkara) has been prepared and got approved by the Dy. Conservator of Forest, Bikaner, vide letter no/ 2016-17/2424 dated 20.04.2017. A sum of Rs. 12,57,500/- in the 5 years period, is likely to be spent on various activities related to Conservation of <i>Gazellabennettii</i> (Chinkara).

10. Status of CTO: Consent to operate was issued vide letter dated 05.02.2010 which got expired on 31.12.2012.

11. Green belt/plantation details:

Proposed area for green belt/plantation	41.740 Hectare
Budget for green plant & plantation till the end of life of mine.	Rs. 8,998,475.00
Budget for nursery	Rs. 1.70 Lac

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	3.540 Ha.
50 m safety zone of nallah, roads, electric lines	36.96 Ha.
Plantation on backfilled area	2.240 Ha.

12. Baseline details:

Baseline Data (Air / Water / Noise / Soil / Ground water table/ others)	
Period of baseline data collection	One season primary base line data on ambient air quality, noise level, soil, flora and fauna has been collected during October 2019 to December 2019 (post monsoon season) as per CPCB Notification of 2009.
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Post monsoon season

13. Public Hearing(PH) details: As per ToR specific condition (vii), Public Hearing was earlier conducted on 29.09.2016 for the 1,00,000 TPA of production capacity covering all the issues, committee felt that one time PH as per the order of Hon'ble High Court of Madras has already taken care and hence repeated PH is not required. The details of earlier PH are as follows:

Advertisement for PH with date	29 th August, 2016
Date of PH	29.9.2016 at 11.00 AM
Venue	Atal Seva Kendra (village Panchayat Bhawan), Gram PanchaJaisinghDesarMagra, Tehsil-Nokha, District-Bikaner, Rajasthan.
Chaired by	Shri Hari Prasad Pipralia, Additional District Collector (Administration), Bikaner, Rajasthan. Shri R.K. Mandawat, Regional Officer, Rajasthan State Pollution Control Board, Bikaner Rajasthan.
Main issues raised during PH	Proximity of the project (20 mtr.) the location of a school at a distance of 100 mtr.; Creation of waste dumps near pond; it was alleged that the catchment area of Jodpayatan has been excavated; and the atmosphere being dust laden as result of mining.
Budget proposed for addressing issues raised during PH	Rs. 1,30,000/-

14. Court case details:

Court Case	No court case is pending against the project.
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15. Affidavit/Undertaking details:

Affidavit	<ul style="list-style-type: none"> i. A copy of the affidavit dated 02.02.2022 duly notarized. ii. A copy of the affidavit dated 16.05.2022 duly notarized as per Ministry's O.M. No.3-50/2017-IA.III (Pt.) dated 30.05.2018
	<p>An affidavit has been submitted by the PP assuring that necessary care will be taken to ensure that:</p> <ul style="list-style-type: none"> i. No mining activities will be carried out within a distance of 440 mtrs from the residential area/ dwelling units. ii. Boundary plantation will be done and boundary wall will be erected.

16. Past production details:

Particulars	Letter no. and date
Certified past production	The production certificate was issued by Mining Engineer, Department of Mines & Geology, Bikaner vide its letter No. ME/BKN/DEMAND/2017-18/ML/18/1983/218 dated 15.01.2018

17. ADS details: The proposal was earlier considered in 38th meeting of Expert Appraisal Committee (Violation) held on 19th November, 2020 wherein the Committee deferred the proposal and the reply was submitted by project proponent vide dated 21.4.2022 on 04.05.2022 which is as follows:

S.No	ADS Point	Reply by PP
1.	Clarification from the mining department, that mining has not been done outside the mining lease area.	The Mining Engineer of DMG, Bikaner, Rajasthan has certified vide letter 24/02/2021 that no mining has been carried out outside the mining lease area. In addition, he has also stated in the said letter that no mining was being carried out at the mine on the date of inspection that is 07.01.2021. A copy of the above said letter is enclosed with the ADS reply.

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2.	Details of nallah and ponds inside mining lease area including safety measures and respective LULC analysis with damage assessment.	The details as furnished under Chapter-13, are also given in section 13.5.1, Table 13.2 may kindly be referred. A copy of the revised Chapter-13 is enclosed with the ADS reply.
3.	Details regarding proximity of dwelling units near the mining lease area and safety measures taken already and proposed distance to be maintained @440 mtrs from them as committed in the PH.	A copy of the affidavit dated 02.02.2022 duly notarized, related to the subject is enclosed with the ADS reply.
4.	Depth of ultimate and present pit.	<ul style="list-style-type: none"> • The present depth of mining pit is about 18 mtr. [Lowest Surface RL (300) – RL of the Present Pit Bottom (282) = 18 mtr.]. • Ultimate Pit Depth=300-272=28 mtr. [RL of the Lowest Surface Level (300 mtr.)-R.L. of the Ultimate Pit Bottom(272 mtr.)=28 mtr.]. • The depth of present pit is 18 mtr. and Ultimate depth of pit will be 28mtr.
5.	Details of green belt plan in tabular form having details on the number of trees required to be planted and already planted.	Green belt plan has been revised and enclosed with the ADS reply.
6.	Conservation plan of Schedule I species to be prepared and submitted to the concerned Chief Wildlife warden for approval.	A copy of the approved Conservation plan of Schedule-I species is enclosed with the ADS reply.
7.	Details of hydrology as per GEC 2015 to be submitted.	A copy of the hydrological report as per GEC 2015 is enclosed with the ADS reply.
8.	Details of profit should be revised as notional	Economic benefit derived due to excess production of Ball Clay has been revised and

	amount mentioned in the presentation cannot be accepted.	approved by the C.A. (UDIN: 22074866AAOQB3933, Date 05/02/2022). Kindly refer Chapter -13; Table-13.1& 13.18. A copy of the C.A. certificate is enclosed with the ADS reply.
9.	Revised damage assessment of all the environmental attributes and preparation of Remediation, Natural and Community Resource Augmentation Plan.	Damage assessment for all the environmental attributes has been revised. Modified Remediation, Natural and Community Resource Augmentation Plan has been prepared. The details shown in Table 13.22 under Chapter-13, may kindly be referred. Revised Chapter-13 is enclosed as with the ADS reply.
10.	Damage assessment shall be done considering agricultural loss due to the mining activity, revised plantation cost, top soil management, Schedule I species conservation plan not in place, profit accrued during the violation period (3% to CRA), cost of EMP saved during the violation period.	The land surrounding the mining lease area is almost arid & dry and is not suitable for agricultural activities. The details of plantation cost, top soil management, Schedule-I species conservation plan, profit accrued, EMP cost saved have been revised and furnished in revised Chapter -13.
11.	RP, NRA & CRA should have limited activities with capital investments and beneficial to the society.	Activities of RP, NRA & CRA has been revised and furnished in Chapter -13 and Table 13.22, 13.23A, 13.23B&13.25.
12.	Status of Credible action u/s 19 of the E(P) Act.	The details of steps taken in respect of initiating legal action against PP under section 19 of the Environment (Protection) Act, 1986 are enclosed with the ADS reply.

18. Details of EMP:

S.No	Activities	Capital cost (Crores)	Recurring cost (Lakhs/annum)
	Infrastructure facility inside lease area		

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i	Overhead water sprinkle facility with solar pump for outgoing & incoming transportation vehicles for haul roads.	0.006	40,000.00									
ii	Preparation & Maintenance of Catch drains, Garland Drains (2143m long, 1.5 mt. wide & 1.0 mtr deep) and siltation ponds (6 nos.) (3.0 mtr. wide, 5.0 mtr long & 3.0 mtr deep).	0.01	30,000.00									
iii	Water Tanker & its maintenance expenditure	0.00	1,00,000.00									
iv	Wire fencing	0.0132	50,000.00									
	<table border="1"> <thead> <tr> <th>Year</th> <th>I</th> <th>II</th> <th>III</th> <th>IV</th> <th>V</th> </tr> </thead> <tbody> <tr> <td>Length (mtr.)</td> <td>660</td> <td>780m</td> <td>860</td> <td>920</td> <td>980</td> </tr> </tbody> </table>			Year	I	II	III	IV	V	Length (mtr.)	660	780m
Year	I	II	III	IV	V							
Length (mtr.)	660	780m	860	920	980							
2.	Plantation program											
i.	Plantation (Nursery Development for plantation purpose).	0.003	1,40,000.00									
ii.	Gardner (2 number)	0.00	80,000.00									
3.	Medical Facilities											
i.	First aid kits (Nos. 5)	0.003	30,000.00									
ii.	Honorarium basis Doctor/Nurse	0.00	40,000.00									
iii.	Medical examination (initial and periodical) of employees.	0.005	50,000.00									
iv.	Occupational health survey (twice per year).	0.002	5000.00									
4.	Labour Welfare											
i.	Food, snacks, tea, drinking water etc & Temporary rest shelters.	0.003	1,00,000.00									
ii.	Separate toilets for Male & females	0.00	18,000.00									
iii.	Personal protective equipment to Personnel (like helmets, shoes, gloves, goggle, ear muffs, masks etc.).	0.00	40,000.00									
iv.	Vocational Training Programs	0.00	50,000.00									
5.	Conservation of Schedule-I fauna [Gazellabennettii (Chinkara)]	0.00	2,51,500.00 (Rs.2,51,500x5Year =12,57,500*)									
6.	Others											
i.	Solid waste management	0.00	30,000.00									
ii.	Fire Safety equipments		4000.00									

		0.0004	
iii.	Vehicle maintenance + PUC certification of vehicles.	0.004	20,000.00
	Sub Total	0.0496	10,78,500.00
i.	Monitoring cost (Air, Water, Soil and Noise). *	0.00	1,26,000.00
	Grand Total EMP	0.0496	12,04,500.00

19. Details of project cost and employment:

Particulars	(Rs. In Crore)
Capital Cost for Environment Protection	0.0496
Budget for addressing the Public Hearing issues	0.0130
Total Cost for EMP	0.17005
Recurring Cost for EMP	0.12045
Project Cost	2.00
Employment	40 Persons (Supervisors and labour)

20. Observation and recommendation of the Committee:

The proposal was considered in the 51st EAC meeting held on 30th May, 2022. After the detailed deliberations, the Committee noted that earlier the proposal was considered in the 38th EAC meeting (Violation Committee) held on 19.11.2020 wherein the proposal was deferred. The ADS reply submitted by the project proponent on 04.05.2022 was not satisfactory. The Committee also felt that the plantation is not satisfactory in the mine lease area. The Committee noted that the credible action under section 19 of the Environment (Protection) Act, 1986 has not been taken yet against the project proponent. The Committee also noted that the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018 has not been submitted to the Ministry by the project proponent. As per 2018 Notification "The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects". Therefore, the Committee **deferred** the proposal due to want of the following information:

- 1) The project proponent needs to submit the authenticated District Survey Report as per Ministry's Notification S.O 3611(E) dated 25.07.2018.
- 2) The project proponent needs to submit the status of the credible action under section 19 of the Environment (Protection) Act, 1986 as per Ministry's letter dated 20th September, 2019.

- 3) All the plantation activities on the peripheral safety zone and the worked-out areas should be completed in three years and the remaining areas in two more years, thereby, completing all the plantation activities in five years. The success rate should not be below 95%. Proper arrangements for manuring, drip irrigation and protection of the plants should be made. The project proponent needs to submit the revised plan for the greenbelt and plantation.
- 4) The project proponent needs to submit the revised conceptual stage plan of plantation for each period of 5 years up to the date of closure of the mine.

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	30th May 2022
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	No
3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes
5	Shri Santosh Gupta	Flat No. 405, Block –B, Gaur Green Vista, NyayKhand -1, Indrapuram, Ghaziabad-201014	Member	Yes
6	Dr. Asha Rajvanshi	B-104/106 rockvalley Apartments, General Mahadev Singh Road, SewlaChowk, Majra, Dehradun - 248001	Member	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes
8	Dr. A.K. Malhotra	House no. 33, Sector – 11, Dwarka. (Near Gate No. – 1 of sector 11 metro Station), New Delhi –	Member	Yes

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		110075.		
9	Prof. (Retd.) Dr. Gurdeep Singh	Centre of Mining Environment, Department of Environmental Science & Engg. Indian Institute of Technology (Indian School of Mines), Dhanbad-826004	Member	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	Yes
11	Prof. (Retd.) Mukesh Khare	House no.780, Sector-21, Pocket-E, Gurugram, Haryana-122016.	Member	No
12	Shri V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, Mausam Bhawan, Lodi Road, New Delhi – 110003	Member	No
13	Shri Pankaj Kulshrestha	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhawan, Civil Lines, Nagpur - 440001	Member	Yes
14	Shri Ram Avatar Meena	Representative of DGMS	Member	No
15	Shri Gowrappan	No. 6, Ganesh Avenue II Street, Shakti Nagar, Porur, Chennai, Tamil Nadu - 600116	Special Invitee	Yes
16	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira Paryawaran Bhawan, MoEF&CC, Jorbagh, New Delhi- 110003	Member Secretary	Yes