

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

SUMMARY RECORD OF 16TH MEETING OF THE COMMITTEE OF THE RE-CONSTITUTION OF EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 16th meeting of the Re-constitution of Expert Appraisal Committee (EAC) for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held on 20th June, 2023 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) Deliberation & Circulation on the Minutes of 15th EAC (Non-Coal Mining) meeting held during 30-31 May, 2023:

The minutes of the 15th EAC meeting held during 30-31 May, 2023 were placed before the members of the EAC.

(1.1) Deliberation & Circulation of Minutes of 1st EAC (Non-Coal Mining) meeting held during 27th - 29th July, 2022:

The EAC noted that the Ministry's Forest Conservation (FC) Division issued an OM dated 31.05.2023 regarding clarification on the guidelines given under para 7.3 (iv) of the Handbook of Forest (Conservation) Act, 1980. The Project Proponent also submitted the letter from the Indian Bureau of Mines (IBM) vide Lr.No. MCDR-MiFLOFE/27/2023-BBS-IBM_RO_BBS dated 10.03.2023 stating that *as per MCR 2016 the Mining Plan always approved for total mining lease area granted and the lessee have to restrict mining working within the area for which Forest and Environment clearances are obtained as per condition imposed in mining plan approval letter. Therefore, in present case there is no need of modification of mining plan for the reduced area as demanded by MOEF.* Further, the Project Proponent submitted the Approval of Modification of Review of Mining Plan approved by Indian Bureau of Mines (IBM) vide Lr No. BBS/JJP/IRON/2197/MRMP/2022-23 dated 28.11.2022 in respect of mining lease for Iron Ore over an area of 1018.3085 ha as per ROR and 1018.008 ha as per DGPS situated in Daitari (CT) Village, Daitari Taluka, Keonjhar District of Odisha (Mining working proposal restricted within 95.6 ha DRP cleared area). Accordingly, the following Corrigendum was placed before EAC on 20th June, 2023.

S. No	Reference as per minutes of 1st EAC (Non-Coal Mining) meeting held during 27th- 29th July, 2022	Recommendation of EAC in its meeting held during 27th - 29th July, 2022	Recommendation of EAC on 20th June,2023
1	<p>Agenda, 2.2, Amendment in EC dated 12.07.2021 of M/s Odisha Mining Corporation Ltd for enhancement of production capacity of 3.0 MTPA to 6.0 MTPA at Daitri Iron mine from 95.60 ha (already diverted forest land) out of mine lease area 1018.3085 ha at Keonjhar and Jaipur District, Odisha – [F. No: 23-236/2018-IA.III(V), Proposal No: IA/OR/MIN/282235/2022] - Amendment in Environment Clearance;</p> <p>Point No:7, Para 4, Pg. No: 53</p>	<p>Based on the above discussions held, the EAC recommended the proposal for amendment in EC dated 12.07.2021 of M/s Odisha Mining Corporation Ltd for production of Iron Ore at the rate of 6.0 MTPA from the already diverted forest land (95.6 ha) out of mine lease area 1018.3085 ha, located at Keonjhar and Jaipur District, Odisha for further period of one year subject to submission of revised approved mining plan over an area of 95.6 ha out of mine lease area of 1018.3085 ha along with the following additional specific conditions.</p>	<p>Based on the above discussions held, the EAC recommended the proposal for amendment in EC dated 12.07.2021 of M/s Odisha Mining Corporation Ltd for production of Iron Ore at the rate of 6.0 MTPA from the already diverted forest land (95.6 ha) out of mine lease area 1018.3085 ha, located at Keonjhar and Jaipur District, Odisha for further period of one year over an area of 95.6 ha out of mine lease area of 1018.3085 ha along with the following additional specific conditions.</p>
2	<p>Agenda, 2.2, specific condition (i), Pg. No: 54</p>	<p>The EC shall be functional only after submission of revised approved mining plan for restricted mine lease area of 95.60 ha out of 1018.3085 ha.</p>	<p>The EAC was of the view that the said specific condition (i) may be deleted in view of Ministry's Forest Conservation Division OM dated 31.05.2023.</p> <p>The FC Division OM dated 31.05.2023, clarified that in respect of existing mining leases having forest land in part or full and where the State Governments have considered the grant of GA as per the provisions of the para 7.3 (iv) of the Handbook of Forest</p>

			<p>(Conservation) Act, 1980, the existing mining operations will be restricted to the forest land already approved under section 2(ii) of the FC Act, 1980. In existing leases were approval under the FC Act, 1980 is available only for part of forest land, the non-availability of approval under the section2 (ii) of the Act in respect of remaining forest land will not be a deterrent to undertake mining in the already approved area provided the user agency has complied all conditions, as stipulated under para 7.3(iv) of the Handbook of Forest (Conservation) Act, 1980.</p> <p>In view of the above OM by FC Division, the said specific condition no. (i) may be treated as deleted.</p>
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(1.2) Deliberation & Circulation of Minutes of 6th EAC (Non-Coal Mining) meeting held during 9th - 11th November, 2022:

The EAC noted that the Forest Conservation Division issued an OM dated 31.05.2023 regarding clarification on the guidelines given under para 7.3 (iv) of the Handbook of Forest (Conservation) Act, 1980. The Project Proponent also submitted the letter from the Indian Bureau of Mines (IBM) vide No.KNT/BLR/FE/397/BNG/VOL-II dated 25.05.2023 stating that the *Indian Bureau of Mines accord approvals to Mining plan only over the area/extent granted by the State Government; In the instant case the mining plan is approved over the lease hold area of 639.80 ha (extent as per lease deed), therefore seeking approval for the reduced area of 477.49 ha does not arise.* Accordingly, the following Corrigendum was placed before EAC on 20th June,2023.

S. No	Reference as per minutes of 6th EAC (Non-Coal Mining) meeting held during	Recommendation of EAC in its meeting held during 9th - 11th November, 2022	Recommendation of EAC on 20th June,2023
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	9th - 11th November, 2022		
1	<p>Agenda 2.2, Kumaraswamy Iron Ore Mine of M/s NMDC Limited for expansion of production capacity from 8.6 MTPA [Iron ore (ROM): 7 MTPA + Waste: 1.6 MTPA] to 16.25 MTPA [Iron ore (ROM): 10 MTPA + Waste: 6.25 MTPA] along with 1800 TPH Crushing and screening plant for the restricted working area of 477.49 ha (Revenue land: 152.79 ha and diverted forest area: 324.70 ha) out of total mine lease area of 639.80 ha, located at Village Deogiri, Tehsil Sandur, District Ballari, Karnataka - [F.No. J-11015/13/2021-IA.II(M); Proposal No. IA/KA/MIN/273078/2018] - Environmental Clearance; specific condition (iii), Pg. No: 85</p>	<p>The Project Proponent needs to submit the revised mining plan approved by the Indian Bureau of Mines (IBM) for the restricted mining activities in an area of 477.49 ha (Revenue land: 152.79 ha and diverted forest area: 324.70 ha) out of total mine lease area of 639.80 ha.</p>	<p>The EAC was of the view that the said specific condition (iii) may be deleted in view of Forest Conservation Division OM dated 31.05.2023.</p> <p>The FC Division OM dated 31.05.2023, clarified that in respect of existing mining leases having forest land in part or full and where the State Governments have considered the grant of GA as per the provisions of the para 7.3 (iv) of the Handbook of Forest (Conservation) Act, 1980, the existing mining operations will be restricted to the forest land already approved under section 2(ii) of the FC Act, 1980. In existing leases where approval under the FC Act, 1980 is available only for part of forest land, the non-availability of approval under the section 2 (ii) of the Act in respect of remaining forest land will not be a deterrent to undertake mining in the already approved area provided the user agency has complied all conditions, as stipulated under para 7.3(iv) of the Handbook of Forest (Conservation) Act, 1980.</p> <p>In view of the above OM by FC Division, the said specific condition no. (iii) may be treated as deleted.</p>

(1.3) Deliberation & Circulation of Minutes of 7th EAC (Non-Coal Mining) meeting held during 5th - 6th December, 2022:

The EAC noted that the Forest Conservation Division issued an OM dated 31.05.2023 regarding clarification on the guidelines given under para 7.3 (iv) of the Handbook of Forest (Conservation) Act, 1980. The Project Proponent also submitted the letter from the Indian Bureau of Mines (IBM) vide Lr. No. MCDR-MiFLOFE/11/2022-BBS-IBM_RO_BBS dated 09.03.2023 stating that *as per MCR 2016 the Mining Plan always approved for total mining lease area granted and the lessee have to restrict mining working within the area for which Forest and Environment clearances are obtained as per condition imposed in mining plan approval letter. Therefore, in present case there is no need of modification of mining plan for the reduced area as demanded by MOEF.*

The Project Proponent has submitted the letter from the Office of the Directorate of Mines and Geology, Steel and Mines, Department, Govt. of Odisha vide Lr No. MCII-MACON-0014-2023-7899/DoMG, dated 09.06.2023 stating that the said compensation demand amount of Rs. 29,39,18,019 has not been realized yet from the ex-lessee Sri R.P. Sao till date. Hence, under the provisions of Sub-Rule (9) of Rule, 9(A) of MC Rules, 2016 amended in the year 2020, the Project Proponent may apprise the respective authority in respect for approval and clearances. The relevant provisions of Sub-Rule (9) of Rule, 9(A) of MC Rules, 2016 amended in the year 2020 is as follows: *“No authority shall reject grant of any rights, approvals, clearances, licenses and the like to the new lessee on account of past violations or outstanding dues of the previous lessee, which may be agitated before appropriate forums separately without prejudice to any rightful legal claims of the parties”*. Accordingly, the following Corrigendum was placed before EAC on 20th June,2023.

S. No	Reference as per minutes of 7 th EAC (Non-Coal Mining) meeting held during 5 th - 6 th December, 2022	Recommendation of EAC in its meeting held during 5 th - 6 th December, 2022	Recommendation of EAC on 20 th June,2023
1	Agenda 1.1, Guali Iron Ore Mine of M/s Odisha Mining Corporation Limited for mining of Iron Ore for expansion in production capacity of 5.0 MTPA to 30.0 MTPA with total excavation of 37.67	The Project Proponent needs to submit the revised mining plan for the reduced area of 163.575 Ha (Revenue land: 26.158 Ha and diverted forest area: 137.417 Ha) approved by the Indian Bureau of	The EAC was of the view that the said specific condition (iii) may be deleted in view of Forest Conservation Division OM dated 31.05.2023. The FC Division OM dated 31.05.2023, clarified that in respect of existing mining

	<p>Million TPA [Saleable Iron ore: 27.44 Million TPA, Mineral rejects: 2.56 Million TPA, Waste: 7.48 Million TPA, Topsoil: 0.184 Million TPA] along with 1 x 5000 TPH, 1 x 2500 TPH stationary multistage crushing & screening plant in addition to existing 1x175 TPH,1x200 TPH, 2x400 TPH Stationary Crusher Plant, 1x150 TPH mobile crusher plant, 1x150 TPH, 5x250 TPH mobile screening plant and 1x1500 TPH Stationary Screening Plant for the restricted working area of 163.575 Ha (Revenue land: 26.158 Ha and diverted forest area: 137.417 Ha) out of total mine lease area of 358.258 Ha, located at village(s) Guali, Loidapada, Panduliposhi, Topadihi, Rugudihi, Sidhamath R.F in Barbil Tehsil, Keonjhar District, Odisha – [File No. J11015/1155/2007-IA.II(M), Proposal No. IA/OR/MIN/7224/2008] - Environmental Clearance (Auction mine); specific condition (iii), Pg. No: 19</p>	<p>Mines (IBM) prior to grant of Environmental Clearance (EC).</p>	<p>leases having forest land in part or full and where the State Governments have considered the grant of GA as per the provisions of the para 7.3 (iv) of the Handbook of Forest (Conservation) Act, 1980, the existing mining operations will be restricted to the forest land already approved under section 2(ii) of the FC Act, 1980. In existing leases were approval under the FC Act, 1980 is available only for part of forest land, the non-availability of approval under the section 2 (ii) of the Act in respect of remaining forest land will not be a deterrent to undertake mining in the already approved area provided the user agency has complied all conditions, as stipulated under para 7.3 (iv) of the Handbook of Forest (Conservation) Act, 1980.</p> <p>In view of the above OM by FC Division, the said specific condition (iii) may be treated as deleted.</p>
<p>2</p>	<p>specific condition (v), Pg. No: 19</p>	<p>The project proponent needs to submit the proof of payment of Rs. 29,39,18,019/- as per</p>	<p>The Project Proponent needs to submit the copy of the receipt from the Directorate of Mines and</p>

		demand notice dated 23.10.2017.	Geology (DMG), Govt. of Odisha for compensation demand amount of Rs. 29,39,18,019/- as and when realized from the ex-lessee, as per DMG letter dated 09.06.2023.
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Day 1: 20th June, 2023 (Tuesday)

1.1 Color Granite Quarry of M/s Vishwaksen Industries Pvt. Ltd. with proposed production capacity of 2400m³/Annum of Color Granite within the mine lease area of 15.0 ha, located at Village Gagarajapuram, Tehsil-Meliaputti Mandal, District Srikakulam, Andhra Pradesh – [File. No: J-11015/150/2013-IA.II(M), Proposal No: IA/AP/MIN/27523/2013] - Environmental Clearance (EC)

The instant proposal is for mining of Color Granite Quarry by M/s Vishwaksen Industries Pvt. Ltd. with proposed production capacity of 2400m³/Annum of Color Granite within the mine lease area of 15.0 ha, located at Village Gagarajapuram, Meliaputti Mandal, District Srikakulam, Andhra Pradesh.

2.0 Observation and Recommendation of the EAC: -

The EAC noted that the Project Proponent has not circulated the brief of the project and other relevant documents to the Ministry and members of the EAC and further no communication made by the Project Proponent regarding participation in the EAC meeting. The EAC was of the view that the since the instant proposal is for grant of Environmental Clearance (EC), the presence of the Project Proponent is mandatory. Therefore, the EAC **deferred** the proposal.

1.2 Proposed Rohida Limestone Mine of M/s Kamlesh Meta Cast Private Limited with production capacity of Limestone – 2.85 Million TPA, Soil – 0.121 Million TPA & OB – 7.592 Million TPA (Total Excavation: 10.563 Million TPA) with proposed 1000 TPH of crusher within the mine lease area of 800.9935 ha, located at Village(S)-Rohida, Bharja, Taronggi, Doliphali, Vatera, Pipla, Kharadoli, Tehsil – Pindwara, District – Sirohi, Rajasthan – [File. No: IA-J-11015/16/2023-IA-II(NCM), Proposal No: IA/RJ/MIN/429976/2023; Consultant: M/s Enkay Enviro Services Private Limited] - Terms of Reference

The instant proposal is for mining of Limestone in Rohida Limestone Mine of M/s Kamlesh Meta Cast Private Limited with proposed production capacity of Limestone – 2.85 Million TPA, Soil – 0.121 Million TPA & OB – 7.592 Million TPA (Total Excavation: 10.563 Million TPA) with proposed 1000 TPH of crusher within the mine lease area of

800.9935 ha, located at Village(S)-Rohida, Bharja, Taroongi, Doliphali, Vatera, Pipla, Kharadoli, Tehsil – Pindwara, District – Sirohi, Rajasthan.

2. The details of the project as ascertained from the documents submitted by the Project Proponent and as revealed from the discussions held during the meeting are given as under:

- i. The mine lease area is located between Latitude 24°32'47.3874"N to 24°38'33.7254"N and Longitude: 72°51'57.958"E to 72°57'57.515"E. The mine lease area falls under the Survey of India Toposheet No 45D/14 and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" of the schedule of the EIA Notification, 2006 as the mine lease area is greater than 250 ha and appraised at the Central level.
- iii. Details of Mine Lease:
 - a) The Project Proponent has submitted that the State Govt. vide Government Order no. Nikhabhu/ Sirohi/ CC.2/ P1(2) 7/11/ 5255 dated 24-12-2014 granted the Prospecting License (PL) for Limestone mineral over an area of 1859.0275 ha for which PL was executed on 12-03-2015 & exploration was carried out.
 - b) Then, the Letter of Intent (Lol) was granted by the Mines and Petroleum Department, Government of Rajasthan vide order no. P 3 (6) Khan/Group2/2022 dated 13.03.2023 over an area of 800.9935 ha for a period of 2 Years.

iv. Land Use/Land Cover of the Mine Lease Area:

Private Agriculture land	546.1553 ha
Government land	233.7506 ha
Waste Grazing /Charagah Land	21.0876 ha
Total Mining lease area (MLA)	800.9935 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

v. Details of Mining Plan:

Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines (IBM)	The Project Proponent has submitted that the Mining Plan has been submitted for approval to IBM, Ajmer on 19.05.2023.
Mining Parameters	Quantitative Description
Method of Mining	Open cast mechanized mining
Geological Reserves	27,67,13,725.85 MT
Mineable Reserves	5,72,74,859.97 MT
Life of mine	24 years (Anticipated)
Individual bench slope	80°

Overall pit slope	≤45°				
Drilling/Blasting	150 mm dia and 11.15 m with subgrade drilling will be drilled with compressed-air-operated DTH drills. The blasting will be done by Aluminised Slurry Explosive. Controlled blasting will be practiced by using Nonel detonators.				
ROM output size	1000 mm				
Dumpers capacity	55 tonnes				
Transportation details	The Mineral will be transported to crusher located within applied ML area by Dumper/Trucks				
Generation of Soil/Alluvium and Waste and management	S. No	Particulars	Plan period (Million Tonne)	Conceptual Stage (Million Tonne)	Management
	1	Topsoil	0.153	2.28	Stacking at earmarked place and utilized for plantation
	2	Overburden	7.8	66.53	Stacking at earmarked place and utilized for mine road/ramp development/back filling.

vi. Water requirement:

Total water requirement	150 KLD	Drinking and sanitation	10 KLD
		Dust suppression, plantation & workshop	140 KLD
Source	Ground water and Santpur STP		
Permission	The Project Proponent has submitted that permission will be taken from CGWA for withdrawal of ground water as well as for dewatering the mine pit water when the working intersects the ground water table before starting of mining activity. Treated waste water will be sourced from Santpur STP with prior permission, which is 13.0km from the mine.		
Additional information (if any)	The Project Proponent has also submitted that initially 10 KLD of Ground Water will be utilized & about 140 KLD treated waste water will be sourced from Santpur STP alternatively, there after there will be an option to utilize pit water collected in the mining pit.		

vii. Nearest village / town/ highway/railway station / water bodies/monument

Particulars	Particular's Name	Distance & Directions
Village	Taroongi, Hirawala, Jagatarawala and Bharja (Some part of village falls within MLA) Vatera Bhimana Pipela	Within the mine lease area 50m, E 0.24 km, NW 0.31 km, WNW
Town	Abu Road	9.82 km, SW
Road	NH-927A NH-14	Passing through the mine lease area 1.70 km, NW
Railway Station	Kivrali Railway Station	2.56 km, WSW
Water Bodies	Sukli Nadi	Passing through the mine lease area
School	Adarsh Vidhya Mandir Government Secondary School, TarungiGovt. Sen. Sec. School, Bharja Saraswati Shikshan Sansthan, Bharja Government Girls School, BharjaGovernment Senior Secondary School, Vatera	Within mine lease area 11.73 m, E 14.85 m, N 0.04km, NW 0.11 km, N 0.27 km, NW
Worship places	About 8 temples exists within the mine lease area.	
Others	Jay Nagneshwari Petrol Pump, Rohida exists within the mine lease area.	

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	No Forest land is involved in the mine lease area. The nearby Protected/Reserve Forests located within 10 km radius of the mine lease area is given below: i. Reserved Forest N/V Wara: 0.064 km, S ii. Protected Forest N/V Hirawala: 0.56 km, NE iii. Reserved Forest N/V Wara: 0.96 km, SW PP also submitted the No Objection Certificate from the DCF vide letter no. F() VIVIDH/DCF/2014-15/2045, dated 07.10.2014.
National park	No	i. Mount Abu Wild Life Sanctuary is

Wildlife Sanctuary	Yes	situated at a distance of 5.47 km in NW direction. ii. Final Notification was published vide Ministry's Notification dated 11.11.2020 declaring Eco Sensitive Zone around Mount Abu Wildlife Sanctuary, Rajasthan.
Eco-Sensitive Zone(ESZ)/Eco-Sensitive Area(ESA)	Yes	
Aravalli Certificate	No	The Project Proponent has submitted the letter from the Government of Rajasthan Office of the Mining Engineer, Sirohi Number: B/Sirohi/Head/ML./01/2022/155 dated 04/04/2023 stating that the said Letter of Intent (LOI) area related G. T. Sheet No. 45D/14 and as per office records does not fall in Aravalli Hills and order dated 08.04.2005 passed in reference to Hon'ble Supreme Court's Writ Petition No. 202/1995 (Gondavarman Vs. Union of India) 412/2004) does not fall in the Aravalli Hills and does not fall in defiance of the order of the Supreme Court.

ix. Green belt/plantation details:

Proposed area for green belt/plantation	164.07 ha
Budget for green plant& plantation till the end of life of mine.	Rs 5.81 Cr
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	32.81 ha
50 m safety zone of nallah, roads, electric lines	27.35 ha
Additional information (if any)	
Crusher area	0.25 ha
Recreation area	0.02 ha
Dump areas	19.38 ha
Backfilled area (Re-Grassing)	71.53 ha
Uppermost Benches	12.73 ha
Compensatory afforestation proposed @ 1:5 ratio with a budget of Rs 3.12 Lakhs.	

x. Rehabilitation & Resettlement:

R & R details	The Project Proponent has submitted that there are four villages falls within the mine lease area. The safety distance of 150 m will be maintained from village boundary. Therefore no rehabilitation & resettlement plan is required/applicable.
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xi. Details of Court Cases/litigation:

Court Case	<ul style="list-style-type: none"> i. The Project Proponent has submitted that the State Govt. vide Government Order no. Nikhabhu/ Sirohi/ CC.2/ P1(2) 7/11/ 5255 dated 24-12-2014 granted the Prospecting License (PL) for Limestone mineral over an area of 1859.0275 ha for which PL was executed on 12-03-2015 & exploration was carried out. ii. Form 'A' and Prospecting Scheme & report was submitted to Indian Bureau of mines (IBM) with a copy to Directorate of Mines & Geology (DMG), vide letter dated 29-05-2015 respectively. iii. Later, PL was suspended by State Government vide order dated 30.11.2016 based on State Government order dated 17-10-2015. And state Government took hold of PL on 15-12-2016. iv. The Project Proponent (KMPL) has submitted revision application to Revision Authority, Government of India against State Government order 30.11.2016. v. Revision Authority set aside the State Govt. order, date-30.11.2016 of Govt. Vide order dated-19.09.2018. vi. In absence of action any corrective on Revision Authority, KMPL filed a writ petition No. 8906/209 at Hon'ble High Court and Hon'ble High Court gave an order dated 17.05.2019 to State Government to take decision within two months from the date of order. vii. As per State Govt. order dated 15.10.2020, PL cancellation order dated 30.11.2016 was kept unchanged in the compliance of Hon'ble High Court order. viii. KMPL filed a writ vide writ No. 13426/2020 at Hon'ble High Court against the State Government order date-15.10.2020, which was decided in favour of KMPL on 25.06.2021. ix. Subsequently GOR filed SPL No. 754/2021 against the order of 25.06.2021 the said writ was dismissed on 3.1.2022 & allowed to restore PL application F12 (3) Khan/Grp.2/2017 and order was issued on 04.02.2022. x. As per High Court Order dated 25.06.2021 & Director's proposal dated 03.01.2022 & cabinet order no. 20/2023, dated 03.03.2023, the Lol was issued to KMPL for an area of 800.9935 ha.
Undertaking	<p>The Project Proponent submitted the Affidavit bearing No: BL 670997 dated 23.05.2023 stating that there is no litigation pending against the project and/or land in which the said mine that for any such litigation whatsoever, the sole responsibility will be borne by the Project Proponent.</p>

xi. Affidavit/Undertaking:

Affidavit bearing No: BL 670997 dated 23.05.2023	The Project Proponent submitted the Affidavit stating that the project/activity pertaining to mining lease has not been in violation of the Hon'ble Supreme Court order dated 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.
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xii. Details of Project cost and Employment:

Particulars	(Rs. In Crore)
Project Cost	120 Cr
Employment (No.s)	82 persons

3.0 Observations and Recommendations of the EAC: -

The Project Proponent/Consultant presented that the KML file to indicate the site features in the vicinity of the mine lease area and in the study area of 10 km radius. The Project Proponent informed the EAC that the instant project proposal is a green field project. The lease area is of narrow stretch with irregular shape. NH-927A is passing through the mine lease area. The barren land adjacent to the mine lease area is not a part of the mine lease area. The EAC asked the Project Proponent about the width of the mine lease area. The Project Proponent informed that the EAC that the width varies between 75m - 175m. The total mine lease area is 800.9935 ha, out of which Private Agriculture land is 546.1553 ha, Govt. land is 233.7506 ha and Waste Grazing/ Charagah Land is 21.0876 ha. The land acquisition is under process.

The Project Proponent informed the EAC that the Mount Abu Wild Life Sanctuary is situated at a distance of 5.47 km in NW direction from the mine lease area. The EAC asked the Project Proponent whether Village Pipla falls within ESZ or not. The Project Proponent informed the EAC that the village Pipla does not fall within ESZ and the Village Pipela mentioned in the Final Notification dated 11.11.2020 declaring Eco Sensitive Zone around Mount Abu Wildlife Sanctuary, Rajasthan is different. As per the Final Notification dated 11.11.2020, the Eco-Sensitive Zone shall be to an extent of 0.1 kilometres to 6.08 kilometres around the boundary of Mount Abu Wildlife Sanctuary and on North West direction, the extent of ESZ is 1.0 km only and the mine lease area is away from the ESZ. Further, the Project Proponent informed the EAC that in this regard letter will be obtained from the Forest Dept. and the same will be submitted at the time of appraisal of EC.

The Project Proponent informed the EAC that the Prospecting License (PL) was granted by the State Govt. vide order dated 24.12.2014 for Limestone mineral over an area of 1859.0275 ha. Subsequently exploration activities were carried out and then Form 'A' and Prospecting Scheme & report was submitted to Indian Bureau of mines (IBM) with a copy to Directorate of Mines & Geology (DMG) vide letter dated 29.05.2015

respectively. Later, PL was suspended by the State Government on 30.11.2016 due to irregular allocation of mine leases randomly. The Project Proponent has submitted the submitted revision application to Revision Authority, Government of India against State Government order 30.11.2016. Revision Authority set aside the State Govt. order dated 30.11.2016 vide order dated 19.09.2018. Since there is no any corrective on Revision Authority, the Project Proponent has filed a Writ Petition No. 8906/209 at Hon'ble High Court of Rajasthan. Hon'ble High Court pronounced an order dated 17.05.2019 to State Government to take decision within two months from the date of order. As per State Govt. order dated 15.10.2020, PL cancellation order dated 30.11.2016 was kept unchanged. Then, the Project Proponent again filed a writ vide Writ No. 13426/2020 at Hon'ble High Court of Rajasthan against the State Government order dated 15.10.2020, which was decided in favour of Project Proponent on 25.06.2021. Subsequently Govt. of Rajasthan filed SPL No. 754/2021 against the order dated 25.06.2021 and the said writ was dismissed on 03.01.2022 & allowed to restore PL application F12 (3) Khan/Grp.2/2017 and order was issued on 04.02.2022. As per High Court Order, 25.06.2021 & Director's proposal dated 03.01.2022 & cabinet order no. 20/2023 dated 03.03.2023, Letter of Intent (LoI) was granted by the Mines and Petroleum Department, Government of Rajasthan vide order dated 13.03.2023 over an area of 800.9935 ha for a period of 2 Years. The EAC asked the Project Proponent to submit the relevant documents/orders of the Hon'ble High Court. The Project Proponent informed the EAC that the Mining Plan has submitted to Indian Bureau of Mines (IBM) for approval.

The EAC on viewing the site photographs of the mine lease area asked the Project Proponent whether illegal mining has been carried out or not. The Project Proponent has informed the EAC that the illegal mining has been done by the local people for construction of house and other needs. The instant mine lease area does not fall in the Aravalli Hills and does not fall in defiance of the order of the Hon'ble Supreme Court dated 04.08.2005 and Aravalli Certificate has been obtained from the Office of the Mining Engineer dated 04/04/2023. The Project Proponent has shown the distance of the Canal, Nadi, River, Protected Forest/Reserve Forest, Mount Abu Wildlife Sanctuary from the mine lease area within 10 km radius of the study area. The EAC asked the Project Proponent about the bottom of working width of the quarry. The Project Proponent informed the EAC that the bottom width of the quarry is 30m. The working bench width will be 30m. The EAC noted that the petrol pump, habitations, schools and temples exists within the mine lease area. The Project Proponent informed the EAC that the petrol pump is 780m away from the working pit, 100m buffer distance has been created all around the school and for mining within 100-200m necessary permission will be obtained from DGMS.

After detailed deliberations made by the Project Proponent/Consultant, the EAC noted that the instant mine lease is very narrow and will be difficult to carry out mining

systematically and scientifically. As explained by Project Proponent, the width of mineralized zone in the leasehold area varies from 75m to 175m. The Project Proponent showed only a plan view of a pit. The EAC was of the view that the Project Proponent could not able to convince the EAC that whether it shall be possible to do scientific mining in such narrow width. The EAC asked the Project Proponent to present the sectional view of the working along with dump management plan as good quantity of OB is required to be handled. The EAC opined that it is necessary to study the approved Mining Plan by Indian Bureau of Mines (IBM) before advising for any studies regarding the method of working and bench parameters as a part of specific ToR. Further, the EAC observed that the environmental sensitivity such as petrol pump, habitations, schools and temples exists within the mine lease area. The EAC opined that in the instant proposal, approval of mining plan is mandatory to determine the Terms of Reference (ToR) from the view point of safety, environment and scientific mining. Thus the EAC was of the view that the instant proposal shall be considered only after the submission of the approved Mining Plan by IBM. Therefore, the EAC **deferred** the proposal for want of following additional information: -

- i. The Project Proponent needs to submit the approved Mining Plan by Indian Bureau of Mines (IBM).
- ii. The Project Proponent needs to convince the EAC by clearly illustrating the method of working and mine bench parameters to carry out scientific mining in narrow width of the ML in line with approved Mining Plan.
- iii. The Project Proponent needs to present the sectional view of the working along with dump management plan as good quantity of OB is required to be handled.
- iv. The Project Proponent to submit the relevant documents/orders of the Hon'ble High Court with regards to Prospecting License (PL).

1.3 Amlı Limestone Mine of M/s. UltraTech Nathdwara Cement Limited for expansion in Limestone Production Capacity from 6.35 Million TPA to 8.85 Million TPA along with Screen Reject 0.77 Million TPA, Inter Burden 2.56 Million TPA (Total Excavation 12.18 Million TPA) With Existing Crusher Capacity of 1700 TPH & Screening with Wobbler within the mine lease area of 468.6875 ha, located at Villages- Amlı & Malap, Tehsil- Pindwara, District- Sirohi, Rajasthan- [File No: J-11015/21/2006-IA.II(M), Proposal No: IA/RJ/MIN/430875/2023; Consultant: M/s J. M. Environet Pvt. Ltd.] - Terms of Reference (Expansion)

The instant proposal is for mining of Limestone in Amlı Limestone Mine of M/s. UltraTech Nathdwara Cement Limited for Expansion in Limestone Production Capacity from 6.35 Million TPA to 8.85 Million TPA along with Screen Reject 0.77 Million TPA,

Inter Burden 2.56 Million TPA (Total Excavation 12.18 Million TPA) With Existing Crusher Capacity of 1700 TPH & Screening with Wobbler within the mine lease area of 468.6875 ha, located at Villages- Amlı & Malap, Tehsil- Pindwara, District- Sirohi, Rajasthan.

2. The details of the project as ascertained from the documents submitted by the Project Proponent and as revealed from the discussions held during the meeting are given as under:

- i. The mine lease area is located between Latitude: 24°48'19.06"N to 24°50'15.11"N and Longitude: 73°05'52.21"E to 73°07'48.94"E. The mine lease area falls under the Survey of India Toposheet No: G43T1 & G43T2 and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and 2(b) Mineral Beneficiation and falls under Category "A" of the schedule of the EIA Notification, 2006 as the mine lease area is greater than 250 ha and appraised at the Central level.
- iii. Details of previous Environmental Clearance (EC):
 - a) The Project Proponent initially obtained Environmental Clearance (EC) on 23.04.1996 under EIA, 1994 in favour of M/s Binani Cement Limited.
 - b) Then, the Project Proponent obtained Environmental Clearance (EC) on 10.11.2006 for Amlı Limestone mining project for production capacity of 6.35 MTPA over an area of 468.6875 ha in favour of M/s Binani Cement Limited under EIA Notification, 2006.
 - c) Thereafter, the Project Proponent obtained Transfer of EC on 20.01.2021 from M/s Binani Cement Limited to M/s. UltraTech Nathdwara Cement Limited.
- iv. Details of Mine Lease Area:
 - a) The Project Proponent has submitted that initially mining lease was granted by State Govt. vide order no F. 16 (34) Khan/Gr 1//94 dated 30.08.1995 for mining of Limestone over an area of 468.6875 ha and amendment in grant of mining lease vide Lr No F. 16 (34) Khan/Gr-1//94 dated 24.11.1995 in favor of M/s. Binani Cement Limited.
 - b) Mining lease deed was executed on 15.01.1996 and registered on 27.01.1996 in favor of M/s. Binani Cement Limited for a period of 20 years from 27.01.1996 to 26.01.2016.
 - c) As per Section 8A of amended MMDR Act, validity of mining lease has been extended up to 26.01.2046. Letter for the same has been received from Mining Engineer, Sirohi vide letter No ME/Sirohi/Major/M.L/6/1994/1446 dated 16.02.2015. Rider agreement for extension of lease validity was executed on 17.07.2015.

- d) M/s UltraTech Nathdwara Cement Limited has taken control of Binani Cement Limited on 20th November 2018 by way of Corporate Insolvency Resolution Process (“CIRP”) under the Insolvency & Bankruptcy Code, 2016 as approved by the Hon’ble National Company Law Tribunal (“NCLT”), Kolkata Bench vide order dated July, 25 2017.
- e) In terms of the scheme of arrangement approved by the Hon’ble National Company Law Appellate Tribunal, Bench New Delhi vide its order dated 14.11.2018 and as per the provision under Rule 61 of the Minerals (Other than atomic & hydrocarbons Energy minerals) Concession Rules 2016 in case of change of name, nationality etc. intimation shall be given to the State Government within sixty days. In compliance to the same intimation has been sent to the State Government for change of name from Binani to UltraTech Nathdwara Cement Limited vide letter dated 19.12.2018.
- f) The State Govt. vide letter dated 10.04.2023 granted the order for Name change in Mining Lease from M/s. Binani Cement Limited to M/s UltraTech Nathdwara Cement Limited. Supplementary mining Lease was executed on 05.05.2023 and registration was done on 25.05.2023 in favor of M/s. UltraTech Nathdwara Cement Ltd.

v. Land Use/Land Cover of the Mine Lease Area:

Private land	5.94 ha
Government land	462.7475 ha
Forest Land	Nil
Total Mining lease area (MLA), Ha	468.6875
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure is proposed outside the ML area

vi. Details of Mining Plan:

Modification in Review of Mining Plan along with Progressive Mine Closure Plan was approved by Indian Bureau of Mines in favour of M/s. UltraTech Nathdwara Cement Ltd.	Letter No.	584(4) (3) (1910)/2022 RCOM-AJM
	Date	22.07.2022
	Mineral & (Major/Minor)	Limestone (Major)
	Mine Lease Area, Ha	468.6875
	Validity	2022-23 to 2025-26
Mining Parameters	Quantitative Description	
Method of Mining	Fully Mechanized Opencast Mining Method	
Drilling/Blasting	Blast holes of 115 mm dia. and 165 mm dia are proposed to be drilled with hole burden of 4-5 m and spacing of 5-7 m. Proposed hole is vertical and 10%	

	sub grade drilling. Blasting will be done with ANFO and booster charge. NONEL for DTH and TLD shall be used to control ground vibration, noise and fly rocks.
Geological Reserves	325.71 Million Tonnes
Mineable Reserves	147.50 Million Tonnes
Breakup of Total Excavation (Topsoil / OB / SB / IB / Mineral Rejects/ Waste, MTPA)	Limestone Production Capacity 8.85 Million TPA, Screen Reject 0.77 Million TPA, Inter Burden 2.56 Million TPA (Total Excavation 12.18 Million TPA)
Life of mine	~17 years (Based on mineral reserves as on 01.04.2022)
Mine Bench Height & Bench Width	Bench Height – 10 m Bench Width - 20 - 30 m (Working) & 10 m (Ultimate)
No. of Mine Benches	8 to 22
Existing Depth, m bgl	460 m AMSL (20 m above ground level)
Ultimate Depth of Mining, m bgl	390 m AMSL (50 m bgl)
Ground Water Table, m bgl	370 m AMSL (70 m bgl)
Details of ground water intersection	At present Mining has been done till 460 m AMSL and at conceptual stage, ultimate working depth will be 390 m AMSL. Depth to water level in the area is at 370 m AMSL. Hence, there is no possibility of groundwater table intersection by mine workings during the plan period and any adverse impacts of mine activities on groundwater regime. However, due permission will be taken for intersection of ground water during subsequent mining plan period.
Individual bench slope	80°
Overall pit slope	45°
Details of existing/ proposed Crusher	Crusher of 1700 TPH capacity is situated within mine lease area. The type of crusher is Single Rotor Impact Crusher and capacity of the crusher is 1700 tph and the feeding size of the crusher is 1000mm.
Mineral Beneficiation	
RoM output size	1500 mm X 1000 mm X 500 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	Excavated limestone is being/ will be transported to crusher (located at mine Site) by dumpers of 55 Tonnes and crushed limestone is being/will be transported to cement plant (~1.3 km) by covered conveyor belt.

Generation of Topsoil/OB & its Management during plan period & conceptual period	Particulars	Top Soil generation and management	OB generation and management
	Plan period:	There will be no top soil generation during plan period	Approx 9.51 million tonnes of inter burden will be generated during plan period which will be dumped in existing waste dump (Dump-1 & Dump-2) and new waste dump-6 over an area of 14.43 ha at designated place
	Conceptual stage:	From the top of the area out crops are exposed, top soil is not exposed, if any soil is encountered in between during mining will be used for plantation and green belt development.	About 60.98 million Tonnes of waste will be generated which will be dumped in the mining lease area.
Generation of Mineral Rejects/Waste & its Management during plan period & conceptual period	<p>During plan period Approx 2.87 million tonnes of screen reject will be generated during plan period which will be dumped in existing waste dump (Dump-41 & Dump-5) over an area of 11.6 ha at their designated place.</p> <p>At the conceptual stage, 19.072 million tonnes of screen reject will be generated which will be dumped and stabilized with plantation</p>		
Additional information (if any)	The Project Proponent also submitted that there is a proposal for using waste (0.15 million TPA) and		

	<p>screen reject (0.50 million TPA) for own use in captive cement plant in future for sale after taking necessary approval from competent authority.</p> <p>As per existing EC dated 10.11.2006, “there will be one external OB dump having maximum projected height of 40 m and over all slope of 27 degree”. Waste dumping outside the ML area was done during the period of 2012 – 2016 by M/s. Binani Cement Ltd.</p> <p>An area of 39.02 ha has been granted by State Govt. vide letter no F.12(3) (50) Raj/07/3413-19 dated 19.08.2010 outside the mining lease area for OB Dump. However, dumping of waste has only been done in an area of 11.0 ha outside the mining lease to accommodate the waste generated due to this mine and Amlı Limestone Mine. Letter for the same has also been received from Department of Mines & Geology, Rajasthan Government vide letter no ME/Sirohi/Major/2020/336 dated 20.03.2020.</p>
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vii. Water requirement:

Total water requirement	270 KLD	Fresh Water	270 KLD
		Treated water	0
Source	Treated water from Thermal Power Plant, ground water and rain water collected in mine sump		
Permission for withdrawal/ intersection along with details of grant and its validity	CGWA Permission (Cumulative for Cement plant & Amlı & Thandiberi Mine) for ground water withdrawal (4960 KLD) has been obtained on 12.09.2014 (Valid upto 11.09.2017). Renewal application has been submitted for water withdrawal. Recommendation of Renewal of water permission from CGWB to CGWA has been done on 16.04.2019. Project was considered in the meeting held in April 2023 for renewal.		

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest:

Particulars	Particular's Name	Directions
Nearest village	Village Malap (Adjacent in SW direction) Village Amlı (Adjacent in North direction)	

Nearest Town	Pindwara	~4.5 km, SW
Nearest State/National Highway	SH- 62 NH- 62 NH - 27	~0.8 km, NW ~6.5 km, WSW ~4.0 km, SW
Interstate Boundary	None	None
School	Govt Sr Sec School, Amlī Govt Secondary school, Malap Government Primary School, Khara Phali (Amlī)	100 m, NW 500 m, SW 600 m, N
Railway Station/Railway line	Sirohi Road	~6.5 km, WSW
Water Bodies	Bilar Nadi	~0.5 km, NNW
	Jawai River	~3.5 km, NNE
	Darvot Nadi	~4 km, SW
	Kalumbari Dam	~4.5 km, SSW
Forest	Pindwara RF	~0.2 km, WSW
	Pohar Kolan PF	~0.3 km, SSE
	Sdalva Jod RF	~3.5 km, NNW
	Bilar Jod RF	~3.5 km, NW
	Protected Forest	~4 km, NE
	Sivera Jod RF	~5.0 km, NNW
	Rameshwar PF	~5.25 km, SSW
	Malnu PF	~6 km, NNW
Protected Forest	~8 km, SW	

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

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	No Forest land involved in mining lease area.
National Park	No	No National Park, Wildlife Sanctuary, Elephant/Tiger Reserve, Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA) exist within 10 km radius study area.
Wildlife Sanctuary	No	
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	
Coastal Regulation Zone (CRZ)	No	--
Schedule-I species (No.s and name of schedule-I species with	-	Study will be conducted after approval of ToR and Wildlife Conservation Plan shall

authenticated letter)		be prepared.
Wildlife Conservation Plan	-	

x. Green belt/Plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	<p><u>Greenbelt:</u> Total lease periphery is estimated as 10.6 km covering an area of ~8.0 ha. Till date 1.80 ha area has been covered under greenbelt. Remaining 6.2 ha area will be covered with greenbelt within mining plan period. Survival rate of 80% has been maintained with plant species of Karanj, Amalats and Neem.</p> <p><u>Plantation:</u> As on date, an area of 33.35 ha (4 ha under waste dump and 29.35 ha on unworked area) has been covered with plantation and remaining area of 171.65 ha (88 ha under waste dump, 67 ha under bench rehabilitation and 16.65 ha on unworked area) will be covered with plantation during life of mine.</p>
Budget for green plant & plantation till the end of life of mine.	
Budget for nursery	
Details of existing plantation and its survival rate	
No. of tree cuts in the mine lease area and compensatory afforestation	50 trees will be transplanted
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	8.0 ha on 7.5 m lease periphery 46 ha on un-worked area
50 m safety zone of nallah, roads, electric lines	Nil
500 m safety zones of nearest habitation villages	Nil

xi. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity
Consent to Establish (CTE)	CTE was granted by the Rajasthan State Pollution Control Board vide letter No CTE F.5 (SR-107) RPCB/Gr.II/12728 dated 23.03.2007 for maximum mining capacity of 6.35 million TPA of Limestone in favor of M/s. Binani Cement Ltd.
Consent to Operate (CTO)	CTO was granted by the Rajasthan State Pollution Control Board vide letter No F (BMW)/Sirohi (Pindwara)/99(1)/2019-2020/2249-2253 dated 05.08.2020 for mining

	capacity of 6.35 million TPA of Limestone in favor of M/s. Binani Cement Limited (Attached with UltraTech Nathdwara Cement Ltd) for the period up to 31.12.2023.			
Certified Compliance Report and Inspection date	Certification of existing compliance of EC condition has been done by Integrated Regional Office (IRO), Jaipur vide letter No IV/ENV/R/MINE-322/471/2006 dated 03.12.2021. The project was inspected on 24.09.2021. Certification of Action taken report for partial complied condition granted by IRO, Jaipur vide letter No IV/ENV/R/MINE-322/471/2006 dated 07.04.2022.			
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Past Production details have been authenticated by Department of Mines & Geology vide letter dated 29.04.2020 and 23.05.2023 for the period 1996-97 to 2022-23.			
	S. No	Year	EC sanctioned capacity for Amlu Limestone mine (2.55 MTPA) & Thandiberi Limestone Mine (0.45 MTPA)	Actual production (Metric Tonnes)
	1	1996-1997	3.0	0
	2	1997-1998	3.0	10,43,758.94
	3	1998-1999	3.0	19,60,672.1
	4	1999-2000	3.0	22,78,378.75
	5	2000-2001	3.0	26,00,426
	6	2001-2002	3.0	27,15,454.93
	7	2002-2003	3.0	29,14,146.45
	8	2003-2004	3.0	29,91,490.26
	9	2004-2005	3.0	27,79,549.1
	10	2005-2006	3.0	29,70,480.21
	S. No	Year	EC sanctioned capacity (MTPA) for Amlu Limestone mine	Actual production (MTPA)
	1	2006-2007	6.35	2.7757
	2	2007-2008	6.35	4.151
	3	2008-2009	6.35	5.68
	4	2009-2010	6.35	6.0093
	5	2010- 2011	6.35	6.2054
	6	2011-2012	6.35	6.3432
	7	2012-2013	6.35	6.3373

	8	2013-2014	6.35	5.9275
	9	2014-2015	6.35	4.7594
	10	2015-2016	6.35	4.5105
	11	2016-2017	6.35	3.9450
	12	2017-2018	6.35	2.4281
	13	2018-2019	6.35	3.321
	14	2019-2020	6.35	3.788
	15	2020-2021	6.35	4.066
	16	2021-2022	6.35	5.184
	17	2022-2023	6.35	5.921

xii. Rehabilitation & Resettlement:

R & R details	The Project Proponent has submitted that no Rehabilitation and Resettlement (R&R) involved.
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xiii. Court case details:

Court Case, No and its present status	The Project Proponent has submitted an undertaking vide letter dated 10.06.2023 stating that there is no litigation pending against the project and order passed by any court of Law against the project under the Environment (Protection) Act, 1986 or relevant sections of Air and Water acts and that for any such litigation whatsoever, the sole responsibilities will be borne by the company.
Undertaking by Project Proponent w.r.t court case	

xiv. Details of project cost and employment:

Particulars	Budget (Rs. in Crores)
Project Cost	Rs. 37 Crores
Employment	150 persons

3.0 Observation and Recommendation of the EAC: -

The Project Proponent informed the EAC that the instant proposal is for expansion in Limestone Production Capacity from 6.35 Million TPA to 8.85 Million TPA within the mine lease area of Amlu Limestone Mine of 468.6875 ha. The expansion is within the mine lease area and there is no additional land acquisition. To meet the Limestone requirement of the Cement plant, the instant for proposal for expansion has been submitted. A crusher is located within the mine lease area and Cement Plant is located adjacent to this mine. Crushed Limestone is being/will be transported to cement plant by covered conveyor belt. The mine lease is valid upto 26.01.2046. Mining Plan was approved by IBM on 22.07.2022 for the period 2022-23 to 2025-26. Initially, EC was obtained on 23.04.1996 under EIA, 1994 and then on 10.11.2006 under EIA, 2006 in favour of M/s Binani Cement Limited and then the Transfer of Environmental

Clearance from M/s Binani Cement Limited to M/s UltraTech Nathdwara Cement Limited was obtained on 20.01.2021.

The Project Proponent informed the EAC that the Past Production details have been authenticated by Department of Mines & Geology vide letter dated 29.04.2020 and 23.05.2023 for the period 1996-97 to 2022-23. The EAC asked the Project Proponent where there was any excess production was done between the years 1994-2006. The Project Proponent informed the EAC that EC dated 23.04.1996 under EIA, 1994 was combined EC for Amlī Limestone Mine and Thandiberi Limestone Mine. No excess production was done between the years 1996-2006 and also after the EC dated 10.11.2006. The EAC asked the Project Proponent about the EC capacity under EIA 1994. The Project Proponent informed the EAC that the EC capacity under EIA 1994 was 3.0 MTPA. As informed by the project proponent during the meeting the copy of CTO and EC was submitted vide email dated 20.06.2023 for the mining of Limestone production capacity of 3.87 MTPA at 6/94, Village Amlī, Tehsil Pindwara, District Sirohi. PP also submitted the copy of EC dated 23.04.1996 applicable to 722.8125 ha of lease area (Amlī: 468.6875 ha & Thandiberi: 254.1250 ha).

Nearest Village is Malap (Adjacent in SW direction) and nearest School is Govt. Secondary School, Malap (~500 m in SW direction). No National Park, Wild Life Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/ Elephant Reserves, Reserve/Protected Forest etc. within 10 km radius study area. Due to expansion, there will be additional water requirement of 105 KLD totaling to 270 KLD. At the conceptual stage, the area under mining will be 270 ha.

The EAC asked the Project Proponent whether any dumping of waste has been outside the lease area or not. The Project Proponent informed the EAC that the dumping of waste outside the mine lease area was done by M/s. Binani Cement Ltd during the year 2012-2016. An area of 39.02 ha has been granted by State Govt. vide letter dated 19.08.2010 for dumping of OB outside the mining lease area. Letter for the same has also been received from Department of Mines & Geology, Rajasthan Government vide letter dated 20.03.2020. The EAC also noted that Integrated Regional Office (IRO), Jaipur during the site visit on 24.09.2021 observed that an external dump in the area measuring approx. 35-40 ha is outside the mining lease area which is inactive and further the Project Proponent informed that the waste dumping outside the mining lease started from 2012-13 after obtaining all the necessary approvals and the dumping was done till the validity of the mining scheme.

The EAC asked the Project Proponent to submit the Affidavit as per Ministry's OM dated 30.05.2018. The Project Proponent vide email dated 20.06.2023 submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing no: BN 517413 dated

20.06.2023 stating that they will comply with all the statutory requirement & judgment of Hon'ble Supreme court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors before grant of ToR/EC. This mine was taken over from Binani Cement Limited and as per details documents available there is no violation of common cause.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC in its meeting held on 20th June, 2023 under the provisions of EIA Notification 2006 and its subsequent amendments, **recommended** the proposal for grant of Terms of Reference (ToR) to Amlī Limestone Mine of M/s. UltraTech Nathdwara Cement Limited for expansion in Limestone Production Capacity from 6.35 Million TPA to 8.85 Million TPA along with Screen Reject 0.77 Million TPA, Inter Burden 2.56 Million TPA (Total Excavation 12.18 Million TPA) With Existing Crusher Capacity of 1700 TPH & Screening with Wobbler within the mine lease area of 468.6875 ha, located at Villages- Amlī & Malap, Tehsil- Pindwara, District- Sirohi, Rajasthan for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions and 2(b) applicable for non-coal mining projects:-

- i. The State Pollution Control Board shall ensure the compliance of the judgment of Hon'ble Supreme court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors w.r.t Consent to Operate (CTO) for the period 1996-2006.
- ii. The Project Proponent needs to submit the effectiveness of the implementation of the EMP, concerns over the public hearing and R&R as per earlier EC during submission of EC proposal.
- iii. The Project Proponent needs to submit the comparison of data on the standards of the living of the local people during the start of mining operations and as on date. PP also needs to highlight the influence on the activities that changed the standard of living of the local people.
- iv. The Project Proponent needs to submit the details of the nearest school present within the mine lease area and in the vicinity of the mine lease area by mentioning the distance and direction of the school from the mine lease area, strength of the school, working time of school, blasting time, Peak Particle Velocity (PPV) recorded at School and the measures taken and to be taken for control of ground vibration and fly rock during submission of EC proposal.
- v. The Project Proponent needs to submit the detailed site specific protection measures for the surface features such as habitations, water bodies, forest, road,

etc., in and around the vicinity of the mine lease area as well as the impact on Wildlife due to mining activity during submission of EC proposal.

- vi. The Project Proponent needs to submit the action plan for management of stability of the OB/Waste dump during submission of EC proposal.
- vii. The Project Proponent needs to submit the action plan for installation of permanent dust suppression system instead of water tankers during submission of EC proposal.
- viii. As committed before the EAC, the Project Proponent needs to modify the capacity of the crusher in the Mining Plan and shall submit the same during submission of EC proposal.
- ix. The Project Proponent needs to submit the water management plan for conversion of area of 203 Ha into water reservoir and its effective utilization during submission of EC proposal.
- x. The Project Proponent needs to submit the present status of the inactive dump and rehabilitation carried out during submission of EC proposal.
- xi. The Project Proponent needs to monitor the ambient air quality and noise level at the mine lease boundary, nearest village, crusher, predominant downwind direction and at other sensitive receptors. Accordingly, Project Proponent shall propose to install Continuous Ambient Air Quality Monitoring Station within certain timeline.
- xii. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- xiii. The Project Proponent needs to carry out the cumulative impact assessment by considering all the mining activity of the operating mine including the transport scenario and cement plant in the study area and should indicate the capacity of each mine considered for predication of air quality modeling. The control case and worst-case scenario needs to be demonstrated with controlling factor and GLCs values for all the pollutants needs to be clearly mentioned. The input parameters used for the modeling also needs to be submitted.

- xiv. The Project Proponent shall monitor the water quality in the impact zone such as water reservoir, river water with specific reference to the parameter Langelier Saturation Index which will denote the impact of calcium carbonates on water bodies and these parameters and determine the tendency of water to form calcium carbonate scaling.
- xv. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years. The Project proponent shall ensure that the activities proposed under the public hearing shall be different from the CSR activities.
- xvi. The Project Proponent needs to submit the action plan during submission of EC proposal for carrying out plantation along the 7.5m barrier, safety zone of roads and gap plantation. PP should also submit the details no of saplings planted and to be planted, type of saplings existing and proposed and the area covered and to be covered under greenbelt/plantation along with the timeline and budget. PP also needs to submit the action plan for transplanting the trees during submission of EC proposal.
- xvii. The Project Proponent shall carry out the assessment of impact due to the proposed project as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP. The project proponent shall conduct hydrological study for projects involving intersection of ground water table as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xviii. The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology up gradation, etc. The efforts shall be delineated in the EIA/EMP.
- xix. The Project Proponent shall prepare the scheme for mandatory recycle/reuse of water as specified by the Central Ground Water Authority for different category areas seeking NoC for ground water withdrawal and the shall submit as part of EIA/EMP report.
- xx. The Project Proponent needs to submit the Certified Compliance Report as per Ministry's OM dated 08.06.2022 at the time of appraisal of EC.

- xxi. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.

1.4 Thandiberi Limestone Mine of M/s. UltraTech Nathdwara Cement Limited for expansion in Limestone Production Capacity from 1.065 Million TPA to 6.00 Million TPA, Waste (OB/IB) 1.14 million TPA and Mineral reject 0.46 Million TPA (Total Excavation 7.60 Million TPA) with proposed Crusher Capacity of 1700 TPH & Screening with Wobbler in the mine lease area of 256 ha, located at Villages- Thandiberi & Subela, Tehsil- Pindwara, District-Sirohi, Rajasthan - [F.No: J-11015/22/2006-IA.II(M); Proposal No. IA/RJ/MIN/430745/2023, Consultant: M/s J.M. EnviroNet Pvt. Ltd] - Terms of Reference (Expansion)

The instant proposal is for mining of Limestone in Thandiberi Limestone Mine of M/s. UltraTech Nathdwara Cement Limited for expansion in Limestone Production Capacity from 1.065 Million TPA to 6.00 Million TPA, Waste (OB/IB) 1.14 million TPA and Mineral reject 0.46 Million TPA (Total Excavation 7.60 Million TPA) with proposed Crusher Capacity of 1700 TPH & Screening with Wobbler in the mine lease area of 256 ha, located at Villages- Thandiberi & Subela, Tehsil- Pindwara, District-Sirohi, Rajasthan.

2. The details of the project as ascertained from the documents submitted by the Project Proponent and as revealed from the discussions held during the meeting are given as under:

- i. The mine lease area is located between Latitude: 24°48'29.53"N to 24°50'19.13"N and Longitude: 73°08'04.42"E to 73°08'59.51"E. The mine lease area falls under the Survey of India Toposheet No: G43T1 & G43T2 and falls in Seismic Zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and 2(b) Mineral Beneficiation and falls under Category "A" of the schedule of the EIA Notification, 2006 as the mine lease area is greater than 250 ha and appraised at the Central level.
- iii. Details of previous Environmental Clearance (EC):
 - a) The Project Proponent initially obtained Environmental Clearance (EC) on 23.04.1996 under EIA, 1994 in favour of M/s Binani Cement Limited.
 - b) Then, the Project Proponent obtained Environmental Clearance (EC) on 10.11.2006 for Thandiberi Limestone mining project for production capacity of 1.065 MTPA over an area of 254.125 ha in favour of M/s Binani Cement Limited under EIA Notification, 2006.
 - c) Then, the Project Proponent submitted the proposal for amendment in EC dated 10.11.2006 w.r.t. change in lease area from 254.125 Ha to 256 Ha and the

proposal was recommended by the EAC in its meeting held during April 27-28, 2017.

- d) Thereafter, the Project Proponent obtained Transfer of EC on 23.12.2020 from M/s Binani Cement Limited to M/s. UltraTech Nathdwara Cement Limited.

iv. Details of Mine Lease:

- a) The Project Proponent has submitted that initially Letter of Intent (LoI) was granted in favor of M/s. Binani Cement Limited over an area of 254.125 ha on 06.04.1995. Mining lease was granted by State Govt vide order no F. 16 (42) Khan/Gr-1/94 dated 16.11.1995 for mining of Limestone over an area of 254.125 ha in favor of M/s. Binani Cement Limited and amendment in grant of mining lease vide No F. 16 (42) Khan/Gr-1/94 dated 01.01.1996.
- b) Mining lease deed was executed on 25.01.1996 and registered on 27.01.1996 over an area of 256.00 ha for a period of 20 years i.e, from 27.01.1996 to 26.01.2016 in favor of M/s. Binani Cement Limited.
- c) As per Section 8A of amended MMDR Act, validity of mining lease has been extended up to 26.01.2046. Letter for the same has been received from Mining Engineer, Sirohi vide letter No ME/Sirohi/Major/M.L/7/1994/1450 dated 16.02.2015. Rider agreement for extension of mine lease validity has been executed on 17.07.2015.
- d) M/s UltraTech Nathdwara Cement Limited has taken control of Binani Cement Limited on 20th November 2018 by way of Corporate Insolvency Resolution Process ("CIRP") under the Insolvency & Bankruptcy Code, 2016 as approved by the Hon'ble National Company Law Tribunal ("NCLT"), Kolkata Bench vide order dated July, 25 2017.
- e) In terms of the scheme of arrangement approved by the Hon'ble National Company Law Appellate Tribunal, Bench New Delhi vide its order dated 14.11.2018 and as per the provision under Rule 61 of the Minerals (Other than atomic & hydrocarbons Energy minerals) Concession Rules 2016 in case of change of name, nationality etc. intimation shall be given to the State Government within sixty days. In compliance to the same, intimation has been given to the State Government vide letter dated 19.12.2018 for change of name from M/s Binani Cement Limited to M/s. UltraTech Nathdwara Cement Limited.
- f) The State Govt. vide letter dated 10.04.2023 granted the order for Name change in Mining Lease from M/s. Binani Cement Limited to M/s UltraTech Nathdwara Cement Limited. Supplementary mining Lease was executed on 05.05.2023 and registration was done on 25.05.2023 in favor of M/s. UltraTech Nathdwara Cement Ltd.

v. Land Use/Land Cover of the Mine Lease Area:

Private land	45.5161 ha
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Government land	210.4839 ha
Forest Land	Nil
Total Mining lease area (MLA), Ha	256 ha
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure is proposed outside the ML area

vi. Details of Mining Plan:

Modification in Review of Mining Plan along with including Progressive Mine Closure Plan was approved by Indian Bureau of Mines in favor of M/s. UltraTech Nathdwara Cement Ltd.	Letter No.	584(4)(3) (1911)/2022 RCOM-AJM
	Date	22.07.2022
	Mineral & (Major/Minor)	Limestone (Major)
	Mine Lease Area, Ha	256
	Validity	2022-23 to 2025-26
Mining Parameters	Quantitative Description	
Method of Mining	Fully Mechanized Opencast Mining Method	
Drilling/Blasting	Blast holes of 115 mm dia. and 165 mm dia are proposed to be drilled with hole burden of 3-4 m and spacing of 4-6 m. Proposed hole is vertical and 10% sub grade drilling. Blasting will be with ANFO/SME and booster charge. NONEL for DTH and TLD shall be used to control ground vibration, noise and fly rocks.	
Geological Reserves	241.19 Million Tonnes	
Mineable Reserves	108.63 Million Tonnes	
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Limestone Production Capacity: 6.0 Million TPA, Screen Reject: 0.46 Million TPA, OB/IB: 1.14 Million TPA (Total Excavation 7.60 Million TPA)	
Life of mine	~20 years (based on mineral reserves as on 01.04.2022)	
Mine Bench Height & Bench Width	Bench Height: 8 m Bench Width: 20 - 30 m (Working) & 10 m (Ultimate)	
No. of Mine Benches	9 to 16	
Existing Depth, m bgl	432 m AMSL (8 m bgl)	
Ultimate Depth of Mining, m bgl	360 m AMSL (80 m bgl)	
Ground Water Table, m bgl	370 m AMSL (70 m bgl)	
Details of ground water intersection	At present Mining has been done till 432 m AMSL and at conceptual stage, ultimate working depth will be 360 m AMSL. Depth to water level in the area is at 370 m	

	AMSL. Hence, there is no possibility of groundwater table intersection by mine workings during the plan period and any adverse impacts of mine activities on groundwater regime. However, due permission will be taken for intersection of ground water during subsequent mining plan period.		
Individual bench slope	80°		
Overall pit slope	45°		
Details of existing/ proposed Crusher	<p><u>Existing:</u> Primary crusher of 1700 TPH capacity with feed size (1000 mm) & product size (70 mm) installed within lease of Amlu mine (~1.2 km in West direction). No crushing activity is done in the ML area.</p> <p><u>Proposed:</u> A Primary crusher of 1700 TPH capacity with feed size (1000 mm) & product size (70 mm) proposed within lease area.</p>		
Mineral Beneficiation			
RoM output size	1500 mm X 1000 mm X 500 mm		
Transportation details including capacity of dumper/tipper, mode of transport and distance	<p><u>Existing:</u>All the excavated limestone is transported from mine face to crusher, situated in the Amlu mine (~ 1.2 Km in West direction) with the dumper (capacity 55 tons). Crushed limestone dispatched from crusher to existing cement plant (~1.0 km in West from ML area) via covered conveyor belt (~1.24 km).</p> <p><u>Proposed:</u> There is a proposal for installation of crusher within mining lease area. After establishment of crusher, excavated limestone will be crushed in crusher located in mining lease area then crushed limestone will be transported to existing cement plant (~3.2 km in East direction from ML area) via proposed overland belt conveyor (approx. 6.7 Km).</p>		
Generation of Topsoil/OB & its Management during plan period & conceptual period	Particulars	Top Soil generation and management	OB generation and management
	Plan period:	There will be no top soil generation during plan period	Approx. 2.82 million tonnes of inter burden will be generated during plan period which will be dumped in existing waste dump (Dump-1 &

			Dump-2) and new waste dump-2 over an area of 9.75 ha.
	Conceptual stage:	From the top of the area, surface outcrops (rocks) are exposed, top soil is not exposed, if any soil encountered during mining will be used for plantation and green belt development.	18.22 million Tonnes of waste will be generated which will be dumped in the mining lease area.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	During plan period Approx. 0.90 million tonnes of screen reject will be generated during the plan period which will be dumped in screen reject dump -1 over an area 3.82 Ha at their designated place. At the conceptual stage, 7.23 million tonnes of screen reject will be generated which will be dumped and stabilized with plantation		
Additional information (if any)	<ul style="list-style-type: none"> i. As per existing EC dated 10.11.2006, "there will be one external OB dump having maximum projected height of 10 m and over all slope of 27 degree". Dumping of waste outside the ML area was done during the period of 2012 - 2016. ii. An area of 39.02 ha has also been granted by State Govt vide letter no F.12(3) (50) Raj/07/3413-19 dated 19.08.2010 for OB Dump outside the mining lease area. iii. However, dumping of waste has only been done in an area of 11.0 ha outside the mining lease to accommodate the waste generated due to this mine and Amlu Limestone Mine. iv. Letter for the same has also been received from Department of Mines & Geology, Rajasthan Government vide letter no ME/Sirohi/Major/2020/336 dated 20.03.2020. 		

vii. Water requirement:

Total water requirement	200 KLD	Fresh Water	200 KLD
		Treated water	0
Source	Treated water from Thermal Power Plant, ground water and rain water collected in mine sump		
Permission for withdrawal/ intersection along with details of grant and its validity	CGWA Permission (Cumulative for Cement plant & Amlu & Thandiberi Mine) for ground water withdrawal (4960 KLD) has been obtained on 12.09.2014 (Valid upto 11.09.2017). Renewal application has been submitted for water withdrawal. Recommendation of Renewal of water permission from CGWB to CGWA has been done on 16.04.2019. Project was considered in the meeting held in April 2023 for renewal.		

viii. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest:

Particulars	Particular's Name	Directions
Nearest village	Habitation of Village Thandiberi (50 m in North direction) Habitation of Village Pahar Kalan (Part of ML Area)	
Nearest Town	Pindwara	~8.0 km, SW
Nearest State/National Highway	SH- 62 NH - 27	~1.5 km, WNW ~7.5 km, SW
Interstate Boundary	None	None
School	GPS belka maince Chunaram Bhadarva Fali Thandiberi Govt Sr Sec Shool Thandiberi	150 m, SE 300 m, SW 500 m, N
Railway Station/Railway line	Sirohi Road	~10.0 km, SW
Water Bodies	Bilar Nadi	~2.0 km, WNW
	Jawai River	~3.0 km, N
	Darvot Nadi	~7.0 km, SW
	Kalumbari Dam	~7.0 km, SW
Forest	Pahad Kalan PF	100 m, West
	Protected Forest	~3.0 km, NNE
	Reserved Forest	~4.0 km, NNE
	Pindwara Endeyan RF	~4.0 km, East
	Bilar Jod RF	~6.5 km, NW
	Sadalwa Jod RF	~6.5 km, NW
	Malnu PF	~6.5 km, NW

	Rameshwar PF	~7.5 km, SSW
	Sivera Jod RF	~8.0 km, WNW
	Reserved Forest	~9.0 km, East

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

Forest Land / Protected Area / Environmental Sensitivity Zone	Yes/No	Details of Certificate/letter issued by the concerned Department mentioning the Lr no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	No Forest land involved in mining lease area.
National Park	No	No National Park, Wildlife Sanctuary, Elephant/Tiger Reserve, Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA) exist within 10 km radius study area.
Wildlife Sanctuary	No	
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone (ESZ) /Eco-Sensitive Area (ESA)	No	
Coastal Regulation Zone (CRZ)	No	--
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	-	Study will be conducted after approval of ToR and Wildlife Conservation Plan shall be prepared
Wildlife Conservation Plan	-	

x. Green belt/Plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	<p><u>Greenbelt:</u>Total lease periphery is estimated as 9.1 km covering an area of 6.8 ha. Till date 0.98 ha area has been covered under greenbelt. Remaining 5.82 ha area will be covered with greenbelt during plan period. Survival rate of 75% has been maintained with plant species of Karanj, Amalats and Neem.</p> <p><u>Plantation:</u> As on date, 12.60 ha (unworked area) area has been covered with plantation and remaining area of 86.6 ha (19.60 ha under waste dump, 36 ha under bench rehabilitation and 31 ha on unworked area) will be covered with plantation during life of mine.</p>
Budget for green plant & plantation till the end of life of mine.	
Budget for nursery	
Details of existing plantation and its survival rate	
No. of tree cuts in the mine lease area and compensatory afforestation	20 trees will be transplanted
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	6.8 ha on 7.5 m lease periphery

	43.60 ha on un-worked area
50 m safety zone of nallah, roads, electric lines	Nil
500 m safety zones of nearest habitation villages	Nil

xi. Details of CTE/CTO, Certified Compliance Report, Certified Production Details from the inception of the mine:

Particulars	Details of Letter along with date of grant and validity			
Consent to Establish (CTE)	CTE was granted by the Rajasthan State Pollution Control Board vide Lr No F.5 (SR-47) RPCB/Gr.II/1859 dated 19.05.2007 for maximum mining capacity of 1.065MTPA of Limestone in favor of M/s. Binani Cement Ltd.			
Consent to Operate (CTO)	CTO was granted by the Rajasthan State Pollution Control Board vide letter No F(Mines)/Sirohi(Pindwara)/59(1)/2015-2016/5786-5790 dated 10.03.2021 for mining capacity of 1.065 million TPA of Limestone in favor of M/s. UltraTech Nathdwara Cement Ltd. for the period up to 31.05.2024.			
Certified Compliance Report and Inspection date	Certification of existing compliance of EC condition has been done by Integrated Regional Office (IRO), Jaipur vide letter No IV/ENV/R/MINE-323/472/2006 dated 03.12.2021. The project was inspected on 24.09.2021. Certification of Action taken report for partial complied condition granted by IRO, Jaipur vide letter No IV/ENV/R/MINE-323/472/2006 dated 07.04.2022.			
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	Past Production details have been authenticated by Department of Mines & Geology vide letter dated 29.04.2020 and 23.05.2023 for the period 1996-97 to 2022-23.			
	S. No	Year	EC sanctioned capacity for Amlu Limestone mine (2.55 MTPA) & Thandiberi Limestone Mine (0.45 MTPA)	Actual production (Metric Tonnes)
	1	1996-1997	3.0	0
	2	1997-1998	3.0	10,43,758.94
	3	1998-1999	3.0	19,60,672.1

	4	1999-2000	3.0	22,78,378.75
	5	2000-2001	3.0	26,00,426
	6	2001-2002	3.0	27,15,454.93
	7	2002-2003	3.0	29,14,146.45
	8	2003-2004	3.0	29,91,490.26
	9	2004-2005	3.0	27,79,549.1
	10	2005-2006	3.0	29,70,480.21
	S. No	Year	EC sanctioned capacity (MTPA) for Thandibera Limestone mine	Actual production (MTPA)
	1	2006-2007	1.065	0.2628
	2	2007-2008	1.065	0.3505
	3	2008-2009	1.065	0.6213
	4	2009-2010	1.065	0.6937
	5	2010- 2011	1.065	0.6236
	6	2011-2012	1.065	0.6983
	7	2012-2013	1.065	0.6869
	8	2013-2014	1.065	0.6246
	9	2014-2015	1.065	0.5469
	10	2015-2016	1.065	0.5376
	11	2016-2017	1.065	0.4738
	12	2017-2018	1.065	0.1572
	13	2018-2019	1.065	0.4449
	14	2019-2020	1.065	0.4382
	15	2020-2021	1.065	0.3134
	16	2021-2022	1.065	0.5227
	17	2022-2023	1.065	0.4295

xii. Rehabilitation & Resettlement:

R & R details	The Project Proponent has submitted that the total mine lease area is 256 ha, out of which Govt. Waste land is 210.4839 ha and Private land is 45.5161 ha. Surface right of 229.934 ha (210.4839 ha govt. land and 19.45 ha private land) had been taken and for rest of private land acquisition of surface is in progress.
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xiii. Court case details:

Court Case, No and its	The Project Proponent has submitted an undertaking vide
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present status	letter dated 10.06.2023 stating that there is no litigation pending against the project and order passed by any court of Law against the project under the Environment (Protection) Act, 1986 or relevant sections of Air and Water acts and that for any such litigation whatsoever, the sole responsibilities will be borne by the company.
Undertaking by Project Proponent w.r.t court case	

xiv. Details of project cost and employment:

Particulars	Budget (Rs. in Crores)
Project Cost	Rs. 256.52 Crores
Employment	129 persons

3.0 Observation and Recommendation of the EAC: -

The Project Proponent informed the EAC that the scenario of the instant proposal (Thandiberi Limestone Mine) is similar to Amli Limestone Mine. The instant proposal is for expansion in Limestone Production Capacity from 1.065 Million TPA to 6.00 Million TPA. There is also a proposal for installation of crusher within mining lease area. After establishment of crusher, excavated limestone will be crushed in crusher located in mining lease area then crushed limestone will be transported to existing cement plant (~3.2 km in East direction from ML area) via proposed overland belt conveyor (approx. 6.7 km). The EAC asked the Project Proponent about difference of crusher capacity in mining plan (1200 TPH capacity and in ToR proposal (1700 TPH capacity). The Project Proponent informed the EAC that the operating crusher capacity i.e., 1200 TPH was mentioned in mining plan and the same will be modified in mining plan. The EAC asked the Project Proponent what is the specific reason to keep the mine bench height as 8m. The Project Proponent informed the EAC that the due to constraint of excavator boom height, the mine bench height is kept as 8m. The EAC opined that the excavator height shall be taken by taking into account of the mine bench height.

The Project Proponent also informed the EAC that the proposal for amendment in EC dated 10.11.2006 w.r.t. change in lease area from 254.125 Ha to 256 Ha and the proposal was recommended by the EAC in its meeting held during April 27-28, 2017 and requested to consider the same along with this ToR proposal. Village Thandiberi is located at a distance of 50 m in North direction and some part of habitation within ML area. There will be additional water requirement of 150 KLD. Maximum production capacity of 6.0 MTPA will be achieved during the year 2024-25. Environmental settings are similar to Amli Limestone Mine. The Project Proponent informed the EAC that the Past Production details have been authenticated by Department of Mines & Geology vide letter dated 29.04.2020 and 23.05.2023 for the period 1996-97 to 2022-23.

The Project Proponent has informed that the M/s UltraTech Nathdwara Cement Limited has taken control of Binani Cement Limited on 20th November 2018. Waste dumping outside the ML area was done by M/s. Binani Cement Ltd during the period 2012 - 2016. No waste dumping is being done by M/s UltraTech Nathdwara Cement Ltd outside the Mining lease area. All the waste is being dumped inside the mining lease area by M/s UltraTech Nathdwara Cement Ltd as per Approved Mining Plan. The Project Proponent also assured that in future, waste will not be dumped outside the lease area. It will be stacked as per the provision mentioned in Approved Mining Plan.

The EAC asked the Project Proponent to submit the Affidavit as per Ministry's OM dated 30.05.2018. The Project Proponent vide email dated 20.06.2023 submitted the available copy of Consent to Establish and Operate dated 24.01.2005 for the mining of Limestone production capacity of 1.89 MTPA at 7/94, Village Thandiberi, Tehsil Pindwara, District Sirohi. PP also submitted the copy of EC dated 23.04.1996 applicable to 722.8125 ha of lease area (Aml: 468.6875 ha & Thandiberi: 254.1250 ha). The Project Proponent vide email dated 20.06.2023 submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing no: BN 517419 dated 20.06.2023 stating that they will comply with all the statutory requirement & judgment of Hon'ble Supreme court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors before grant of ToR/EC. This mine was taken over from Binani Cement Limited and as per details documents available there is no violation of common cause.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC in its meeting held on 20th June, 2023 under the provisions of EIA Notification 2006 and its subsequent amendments, **recommended** the proposal for grant of Terms of Reference (ToR) to Thandiberi Limestone Mine of M/s. UltraTech Nathdwara Cement Limited for expansion in Limestone Production Capacity from 1.065 Million TPA to 6.00 Million TPA, Waste (OB/IB) 1.14 million TPA and Mineral reject 0.46 Million TPA (Total Excavation 7.60 Million TPA) with proposed Crusher Capacity of 1700 TPH & Screening with Wobbler in the mine lease area of 256 ha, located at Villages- Thandiberi & Subela, Tehsil- Pindwara, District-Sirohi, Rajasthan for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions and 2(b) applicable for non-coal mining projects:-

- i. The State Pollution Control Board shall ensure the compliance of the judgment of Hon'ble Supreme court dated 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors w.r.t Consent to Operate (CTO) for the period 1996-2006.

- ii. The Project Proponent needs to submit the effectiveness of the implementation of the EMP, concerns over the public hearing and R&R as per earlier EC during submission of EC proposal.
- iii. The Project Proponent needs to submit the comparison of data on the standards of the living of the local people during the start of mining operations and as on date. PP also needs to highlight the influence on the activities that changed the standard of living of the local people.
- iv. The Project Proponent needs to submit the details of the nearest school present within the mine lease area and in the vicinity of the mine lease area by mentioning the distance and direction of the school from the mine lease area, strength of the school, working time of school, blasting time, Peak Particle Velocity (PPV) recorded at School and the measures taken and to be taken for control of ground vibration and fly rock during submission of EC proposal.
- v. The Project Proponent needs to submit the detailed site specific protection measures for the surface features such as habitations, water bodies, forest, road, etc., in and around the vicinity of the mine lease area as well as impact on Wildlife due to mining activity during submission of EC proposal.
- vi. The Project Proponent needs to submit the action plan and timeline for installation of crusher within mining lease area.
- vii. The Project Proponent needs to submit the action plan for management stability of the OB/Waste dump.
- viii. The Project Proponent needs to submit the action plan for installation of permanent dust suppression system instead of water tankers during submission of EC proposal.
- ix. As committed before the EAC, the Project Proponent needs to modify the capacity of the crusher in the Mining Plan and shall submit the same during submission of EC proposal.
- x. The Project Proponent needs to submit the water management plan for conversion of area of 144 Ha into water reservoir and its effective utilization during submission of EC proposal.

- xi. The Project Proponent needs to submit the present status of the inactive dump and rehabilitation carried out during submission of EC proposal.
- xii. The Project Proponent needs to submit the action plan and timeline for land acquisition of remaining Private land. PP also needs to submit the map demarcating the already purchased land and the land yet to be purchased.
- xiii. The Project Proponent needs to monitor the ambient air quality and noise level at the mine lease boundary, nearest village, crusher, predominant downwind direction and at other sensitive receptors. Accordingly, Project Proponent shall propose to install Continuous Ambient Air Quality Monitoring Station within certain timeline.
- xiv. The Project Proponent should prepare the EMP considering the scenario of pollution to be generated for normative and peak total excavation for assessing air and noise pollution.
- xv. The Project Proponent needs to carry out the cumulative impact assessment by considering all the mining activity of the operating mine including the transport scenario and cement plant in the study area and should indicate the capacity of each mine considered for predication of air quality modeling. The control case and worst-case scenario needs to be demonstrated with controlling factor and GLCs values for all the pollutants needs to be clearly mentioned. The input parameters used for the modeling also needs to be submitted.
- xvi. The Project Proponent shall monitor the water quality in the impact zone such as water reservoir, river water with specific reference to the parameter Langelier Saturation Index which will denote the impact of calcium carbonates on water bodies and these parameters and determine the tendency of water to form calcium carbonate scaling.
- xvii. The Project Proponent needs to carry out the Public Hearing as per provisions of EIA Notification, 2006. PP should also submit the time bound action plan on concerns of the public through a separate budget with capital expenditure with a timeline of 3 years. The Project proponent shall ensure that the activities proposed under the public hearing shall be different from the CSR activities.
- xviii. The Project Proponent needs to submit the action plan during submission of EC proposal for carrying out plantation along the 7.5m barrier, safety zone of roads and gap plantation. PP should also submit the details no of saplings planted and

to be planted, type of saplings existing and proposed and the area covered and to be covered under greenbelt/plantation along with the timeline and budget. PP also needs to submit the action plan for transplanting the trees during submission of EC proposal.

- xix. The Project Proponent shall carry out the assessment of impact due to the proposed project as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP. The project proponent shall conduct hydrological study for projects involving intersection of ground water table as per the guidelines issued by the Central Ground Water Authority from time to time and submit the same as a part of the EIA/EMP.
- xx. The Project Proponent shall explore the possibility of reduction of specific water requirement by optimization / technology up gradation, etc. The efforts shall be delineated in the EIA/EMP.
- xxi. The Project Proponent shall prepare the scheme for mandatory recycle/reuse of water as specified by the Central Ground Water Authority for different category areas seeking NoC for ground water withdrawal and the shall submit as part of EIA/EMP report.
- xxii. The Project Proponent needs to submit the Certified Compliance Report as per Ministry's OM dated 08.06.2022 at the time of appraisal of EC.
- xxiii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.

Additional Agenda:

1.5 Report of the field visit undertaken by EAC sub-committee on 26th May, 2023 at Granite Building Stone Quarry of M/s Morayoor Granites Private Limited with production capacity of 157669 MT/annum over an area of 4.9797 Ha, located at ReSurvey No.152/1-1, 152/1, 159/1-1, 159/1-2, 159/1-3, 160/1-1, 160/1- 2, 160/1- 3, 160/1-4, Re Survey Block No. 56 of Morayur Village, KondottyTaluk, Malappuram District, Kerala - [File No: IA-J-11015/82/2021- IAI(NCM), Proposal No: IA/KL/MIN/232178/2021, Consultant: SBA Enviro Systems Pvt. Ltd.] - Environmental Clearance regarding

The instant proposal is for reconsideration of Environmental Clearance for M/s Morayoor Granites Private Limited for mining of Granite Building Stonewith production

capacity of 157669 MT/annum over an area of 4.9797 Ha located at Re Survey No.152/1-1, 152/1, 159/1-1, 159/1-2, 159/1-3, 160/1-1, 160/1-2, 160/1- 3, 160/1-4, Re Survey Block No. 56 of Morayur Village, Kondotty Taluk, Malappuram District, Kerala.

2. The project was considered in the 11th EAC (NCM) meeting held during 1-2 March 2023. During the meeting, the EAC deliberated on the additional details submitted by the Project Proponent and the Consultant. The Project Proponent informed the EAC that there will be two blast per day and in total 96 no. of blast holes will be drilled per day. The Project Proponent also informed the EAC that alternative route for transportation of mineral has been selected from Mine lease area via Malayil Road -Poolapees Junction which is connected to Vengara Road-Poolapees Junction-Neduyirippu Road, connecting NH 966. The Level of Service is excellent for Malayil-Poolapees Junction and Very Good for Vengara Poolapees Junction-Neduyirippu Road. The EAC asked the Project Proponent whether there is any movement of elephants in the vicinity of the mine lease area. The Project Proponent informed the EAC that there is no movement of elephants observed in the vicinity of the mine lease area.

The Project Proponent informed the EAC that as a compensation of loss of trees within the core zone, plantation will be carried out side the lease area over an area of 0.6516Ha with 217no's of trees with a timeline of 5years. The EAC noted that the nearest human habitation is 210.3 m. The EAC asked about the status of the matter in Hon'ble National Green Tribunal regarding distance of 200m criteria. The Project Proponent informed the EAC that the as per direction of the Hon'ble National Green Tribunal, joint committee has submitted their report to the Hon'ble NGT and the instant matter is not applicable to this mine lease area.

The EAC noted the order of the Hon'ble High Court of Kerala dated 08.03.2022 in the W.P (C) No: 6510 of 2022 in the matter of UmmerKutty.K versus Uol and Ors and the order reiterates that *"the applications have been uploaded and are pending before the 2nd respondent (The Expert Appraisal Committee, Ministry Of Environment and Climate Change), there will be a direction to the 2nd respondent to take up the applications submitted by the petitioners for Environmental Clearance on the basis of the DSR 2016. Appropriate steps shall be taken, in accordance with law"*. The EAC was of the view that as on date, District Survey Report (DSR) is to be as per Ministry's Notification S.O.3611(E) dated 25.07.2018 and in accordance with the Ministry's Notification dated 25.07.2018 and order of Hon'ble Supreme Court dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 titled as State of Bihar v/s Pawan Kumar. The EAC opined that the Ministry may seek a legal opinion on this instant matter.

After detailed deliberations, the EAC observed that the mine lease area is located in the vicinity of the ecologically sensitive and fragile area. The EAC felt that the Granite Building Stone of small mine leases will lead to ecological damage of the area.

Thus, the EAC opined that it is necessary to ascertain the ground reality on the proposed methodology of mining, habitation, afforestation and transportation. The EAC was of the view that a site visit needs to be conducted by a sub committee comprising of EAC Members and officers from MoEF&CC. The EAC advised the Ministry to constitute a sub-committee for site visit.

3. Accordingly, Ministry vide letter dated 18.05.2023 constituted a sub-committee comprising of the following members to ascertain the ground realities of the project.

1. Shri N K Vasu, EAC Member
2. Dr K. G. Asha Manjari, EAC Member
3. Shri Pankaj Verma, Scientist E and MS, EAC (NCM), MoEF&CC
4. Shri Vidyasagar Jha, Research Officer, MoEF&CC
5. Dr. Murali Krishna, Scientist E, IRO Bangalore, MoEF&CC

The aforesaid committee undertook the visit on 26th May 2023 and observed the following: -

1. The proposed quarry site is having hilly terrain and is located in Morayoor village, Kondutty Taluk of Mallapuram District of Kerala. As informed by project proponent, there were no mines within 500 m and there are no clusters nearby. The mine site can be reached through the village road from the southern side between pillar number 7 and 8.
2. The project proponent has informed that they have leased out an area of about 15. ha to connect the southern part of the mine site to the village road.
3. The approach road (7.5m width) shall connect the proposed project site with Malayil Road (8-10m width) and then it reaches the Poolapees Junction where connected to Vengara Road-Poolapees Jn-Neduyirippu Road (8-10m width), connects NH 966.
4. The Project Proponent informed that total 12 boundary pillars were erected across the lease boundary.
5. The entire hill is covered with native species of bushes and trees.
6. The PP informed that the area receives rainfall of about 300mm throughout the year and the drainage/ runoff goes in to the nallah which is located outside the lease boundary.

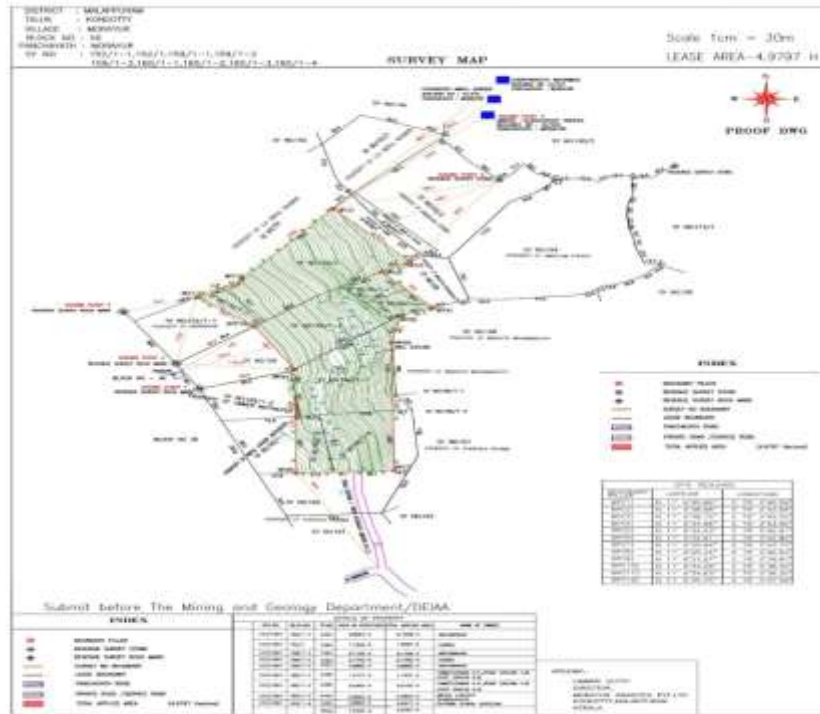


Mine site near the between the pillar number 7-8

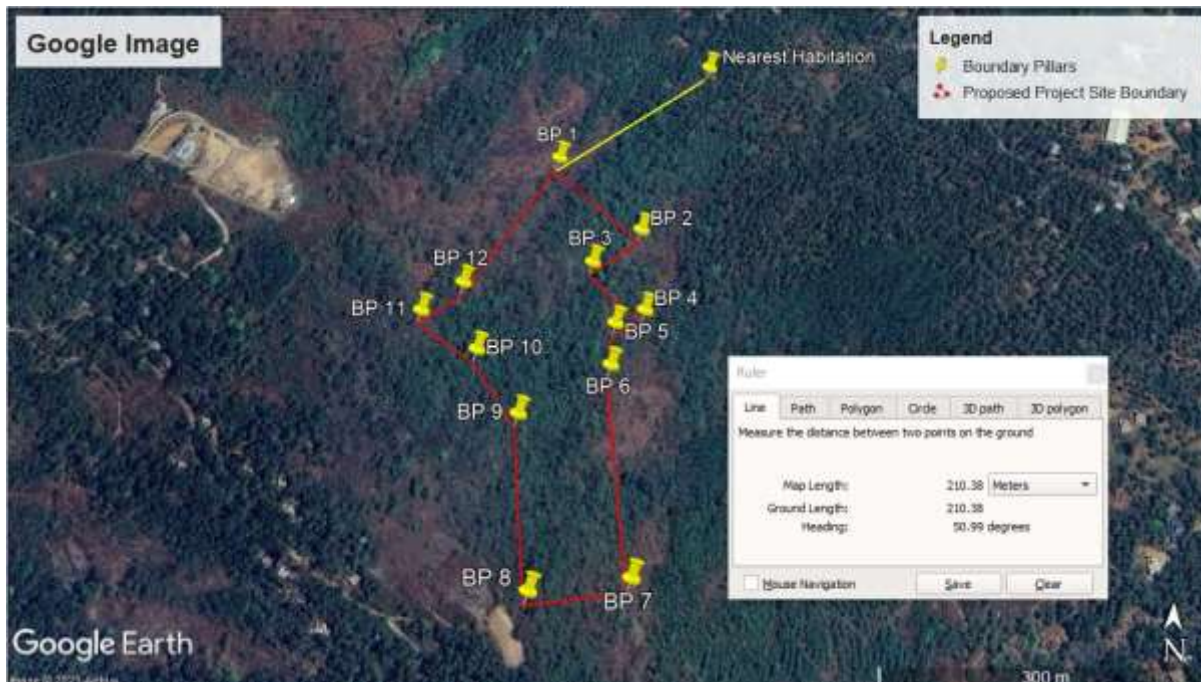
7. The highest and lowest elevation of the proposed project site is 310m MSL and 190m MSL respectively.
8. The PP reported that ultimate pit level of the proposed project site is 190m MSL
9. At lower elevation of the proposed area in East and North Side the PP has leased an area of about 4 ha to manage the production activities.



Mine site approach Road from the village road



Map of the proposed mine site



Google Earth image

4. Based on its observation, the committee recommended the following: -
 1. The project proponent to obtain a letter from the Forest Department, that mine site is not a forest land. Project Proponent shall undertake a survey to count the number of trees present in the lease area.
 2. The PP should take permission before felling of trees and shall take compensatory plantation activities if applicable.
 3. The PP shall construct Garland drains around the mining pits to channelize surface water from higher elevation areas to nearby areas within mining lease. The Garland drains will have silt check dams at regular interval. Finally, the Garland drains will be terminated into settling ponds where the sediments will get settled and rain water should be harvested by construction of rain water harvesting pond/tank. Retaining walls will be erected around the temporary waste dumps, which will eventually be backfilled into the mined out pits.
 4. Owing to the hilly terrain and steep slopes, committee is of the opinion that project proponent may undertake land subsidence studies through a qualified geologist and report to submit to the Ministry and IRO.
 5. During site visit, no habitation seen within a vicinity of 200 meters and the same has been reiterated through google earth image.
 6. To maintain the pristine nature of the Hill, committee was of the opinion that PP should include provision for permanent sprinklers for the entire mineral transportation route.

5.0 Observation and Recommendation of the EAC: -

The EAC noted that the Sub-Committee of the EAC undertaken the site visit on 26th May 2023. The report of the subcommittee was placed before the EAC in its meeting held on 20th June, 2023 for due deliberations. After detailed deliberations, the EAC agreed to the observations and recommendations of the report of the sub-committee.

1.6 Amanganj Limestone Mine of M/s Eco Cements Limited with proposed production capacity of Limestone: 3.75 Million TPA, Top Soil: 0.40 Million TPA & OB/IB: 9.60 Million TPA (Total Excavation: 13.75 Million TPA) along with installation of 1600 TPH Capacity of Crusher in the mine lease area of 1793.59 ha, located at Villages: Beli, Baraha Kala, Hinouti, Tehsil: Gunour and Villages: Chikalhai, Daharra, Gaura, Hinouta Mishra, Kanti, Mahewa, Patelpura, Pawaiya, Tehsil: Amanganj, District: Panna, Madhya Pradesh - [F.No: J-11015/29/2020-IA.II(M), Proposal No: IA/MP/MIN/227653/2021] - Environmental Clearance (EC)

The instant proposal was earlier recommended in EAC meeting held during 27th - 28th December, 2022 and further considered in the 13th EAC (Non-Coal Mining) meeting held on 17th April, 2023 to discuss the ambiguity, whether mining of minerals is prohibited in the area delineated for Greater Panna Landscape. In this regard, officials from National Tiger Conservation Authority (NTCA), Wildlife Institute of India (as Integrated Landscape Management Plan for Greater Panna Landscape, Madhya Pradesh and Uttar Pradesh was prepared by WII) and State Forest officials were invited to participate in EAC meeting held on 17th April, 2023. After detailed deliberations, the EAC noted that Limestone mining project in favour of M/s. Springway Mining Private Limited for Proposed Limestone Mine in the mine lease area of 499.641 ha, located at District- Panna, Madhya Pradesh was evaluated in 2021 when the Landscape Plan for Panna landscape was under preparation stage by the Wildlife Institute of India and the mining lease area was part of the landscape delineated in the draft plan. The EAC on 17th April, 2023 also noted that the Final Integrated Landscape Management Plan (ILMP) for Greater Panna Landscape (2022/23-2032/33) prepared by Wildlife Institute of India (WII) has been published in June 2022 and the instant proposal was evaluated subsequently and it was found that ML area is part of 47,000 km² Greater Panna Landscape delineated by the Wildlife Institute of India (WII). The EAC observed the Minutes of 39th Meeting of the Standing Committee of NBWL held on 23rd August 2016 wherein it has been decided that no new mining lease will be granted in this landscape considering its significance in permitting tiger dispersal and existing mining leases shall only be extended if concretely justified interest following due process of law. Thus, the EAC opined that the recommendation of the minutes of the EAC (Non-Coal Mining) meeting held during 27th - 28th December, 2022 for this instant proposal to be kept in abeyance. NTCA may include 40,000 sq.km of Greater Panna Land scape in DSS on their website and specify tiger habitat/tiger movement/tiger corridor, so as to further examine the mining cases in this Landscape. Further in future if any development in the matter, NTCA and WII may provide comments/inputs and other facts to Ministry to appraise before EAC (non-coal). Accordingly, Ministry may delist the proposal as of now.

2. In view of the above recommendation of EAC and after obtaining approval from the Competent Authority, the Ministry delisted the instant proposal from the Parivesh portal on 15.05.2023. Also, the Ministry vide letter dated 15.05.2023 and 29.05.2023 requested the Wildlife Institute of India to provide a GIS layer related to the boundary of Greater Panna Landscape and to explore the possibility of suitably notifying the same under the statutory provisions for transparency in decision making. The instant matter file was also sent to National Tiger Conservation Authority (NTCA) on 15.05.2023 to communicate the recommendation of EAC for comments.

3. The NTCA on 24.05.2023 has provided the following facts to the Ministry as given below: -

- i. NTCA had recommended that “No new mining leases shall be allowed in the delineated tiger dispersal routes and existing mining leases shall only be extended if concretely justified interest following due process of law” which was accepted by SC-NBWL at its 39th meeting while granting clearance to the Ken-Betwa river interlinking project.
- ii. For the Amanganj mining project, the Project Proponent submitted that out of total mine lease area 1793.59 ha, 57.723ha is Govt. Waste Land and 1735.867ha is Private land and no forest land is involved in the mine lease area.
- iii. The proposed ML area is located at an approximate distance of 14.4 km from the core of Panna Tiger Reserve, approximate distance of 9.18 km from the buffer and eco-sensitive zone of Panna Tiger Reserve and approximate distance of 5.3 km from the eastern tiger dispersal corridor delineated by Madhya Pradesh Forest Department in the Tiger Conservation Plan of Panna Tiger Reserve connecting it with Bandhavgarh Tiger Reserve and further east to Sanjay Dubri Tiger Reserve. Distance of the ML area from least cost pathway tiger dispersal corridor delineated by the WII/NTCA is approximately 113 km.
- iv. A map showing the tiger corridor, boundary of Panna Tiger Reserve, core & buffer areas, ESZ and the proposed mining area is enclosed.
- v. NTCA has informed that in view of the above facts, the NTCA has no objection to the mining lease.

4. The Wildlife Institute of India (WII) vide email dated 05.06.2023 has sent the file containing GIS layers relating to Greater Panna Landscape (in layers, shape and picture formats) and the same is having the following layers and maps viz-a-viz Landscape boundary, District boundary, Road network, Ken river, Connectivity map and Biodiversity richness.

5. In continuation of earlier email dated 05.06.2023, the Wildlife Institute of India vide letter dated 14.06.2023 submitted the report and informed that the exploring the possibility of suitably notify the Greater Panna Landscape under statutory provisions may be beyond the ambit of WII mandates. This is only possible with further stakeholder consultation and newly constituted Greater Panna Landscape Council may be entrusted to work in this direction as one of its main agenda. Integrated Landscape Management Plan (ILMP) prepared by this institute had already suggested the possible modalities to achieve this.

Fig 1.6 A

As per WII's map showing the location of the mine lease area w.r.t dispersal route

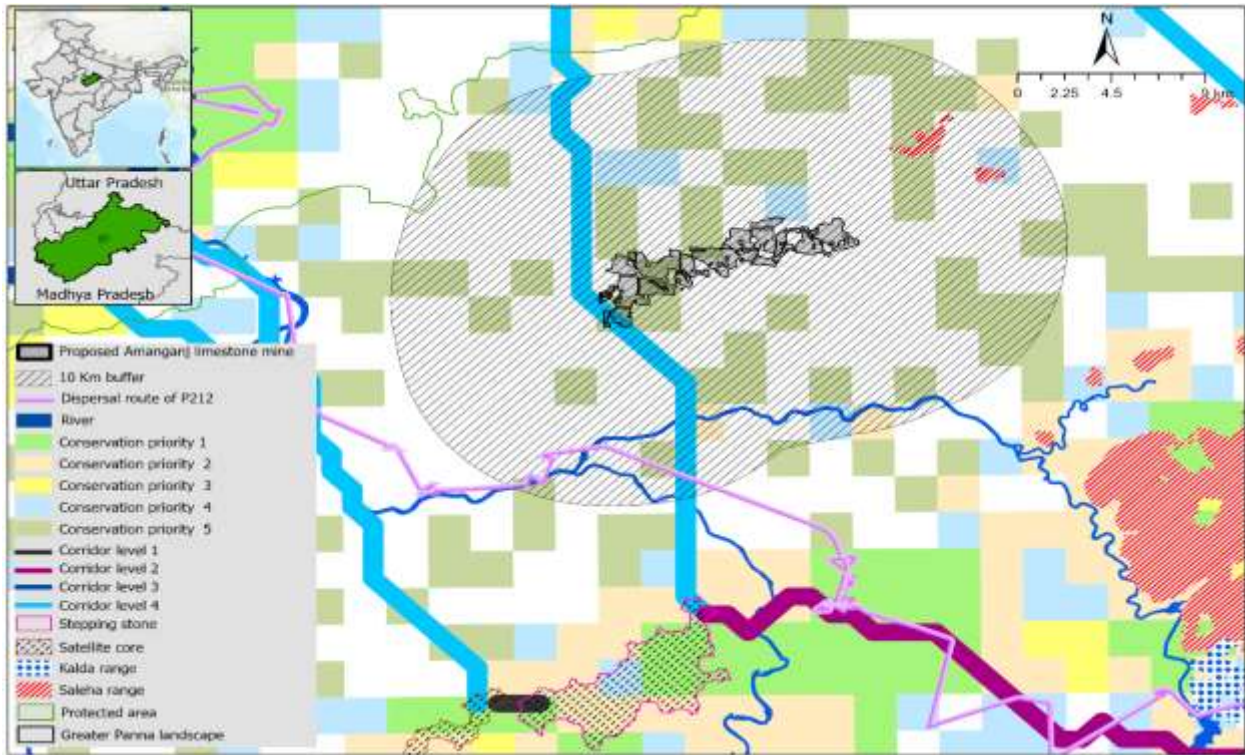


Fig 1.6 B

As per NTCA's map showing the location of the mine lease area w.r.t dispersal route



6. The Project Proponent has filed a court case before the Hon'ble High Court of Madhya Pradesh, Jabalpur vide WP(C) 8624 dated 11.04.2023 for alleging in delay of grant EC by MoEF&CC.

7. In view of the above facts from National Tiger Conservation Authority (NTCA) and inputs from Wildlife Institute of India (WII), the instant proposal was placed before the EAC (Non-Coal Mining) in its meeting held on 20th June, 2023 for due deliberations.

8. Observation and Recommendation of the EAC: -

The EAC reiterated the Minutes of 39th Meeting of the Standing Committee of NBWL held on 23rd August 2016 and comments from NTCA wherein it has been decided that no new mining lease will be granted in this landscape considering its significance in permitting tiger dispersal and existing mining leases shall only be extended if concretely justified interest following due process of law.

The EAC noted that the National Tiger Conservation Authority (NTCA) has informed that the proposed mine lease area is located at an approximate distance of 14.4 km from the core of Panna Tiger Reserve, approximate distance of 9.18 km from the buffer and eco-sensitive zone of Panna Tiger Reserve and approximate distance of 5.3 km from the eastern tiger dispersal corridor delineated by Madhya Pradesh Forest Department in the Tiger Conservation Plan of Panna Tiger Reserve connecting it with Bandhavgarh Tiger Reserve and further east to Sanjay Dubri Tiger Reserve. Distance of the ML area from least cost pathway tiger dispersal corridor delineated by the WII/NTCA is approximately 113 km. The ML area does not have presence of any large mammal or major tiger prey species in its vicinity as per 2018 cycle of all India tiger estimation. The EAC also noted that the NTCA has given no objection to the instant mining lease.

The EAC in its meeting held on 20th June,2023 on the basis of no objection from the NTCA, comments/inputs received from NTCA/WII, the EAC **recommended** to lift the abeyance of the minutes of the EAC (Non-Coal Mining) meeting held during 27th - 28th December, 2022. The EAC also stipulated following additional specific conditions in addition to the recommendation of the minutes of the EAC (Non-Coal Mining) meeting held during 27th - 28th December, 2022 as given below: -

- i. The Project Proponent shall not transport the mineral through tiger dispersal route and it should be routed through other side without causing traffic, pollution and road kill in the tiger reserve area.
- ii. Although the site is not located in any classified corridor, tigers move in the landscape randomly through the agriculture and open areas. Therefore, the Project Proponent should have site-specific assessment of tiger movement and

shall ensure that there is no disturbance on the western area towards Ken River. Further, based on site assessment, local level mitigation plan shall be in place.

- iii. The Project Proponent needs to use modern equipment's such as Camera Traps for ensuring presence and movement of Tigers in the study area in consultation with Wildlife Wing of Forest Department. Appropriate interventions shall be taken to minimize stress conditions for Tigers and to avoid Man-Animal conflict.
- iv. Biodiversity management plan, including restoration and carbon offset scheme shall be included in the mine plan and operation.
- v. The project proponent needs to submit the quarterly compliance report to the State Forest Department/NTCA/IRO w.r.t monitoring of the movement of tiger in the study area and their effectiveness of implementation of mitigation plan.

List of members of Expert Appraisal Committee participated through VC

S.No	Member Name	Member Address	Designation	20th June, 2023
1	Dr. Dinesh Misra, IFS (Retd.)	Plot No 65, Sector 8, Gandhinagar, Gujarat, 382 008	Chairman	Yes
2	Sh. Niranjana Kumar Vasu, IFS (Retd.)	816, Shanti Nagar, Opposite Durgapur Railway Station, Jaipur-Rajasthan, 302018	Member	Yes
3	Dr. Asha Rajvanshi, Scientist 'G' (Retd.), WII	B/104/106 Rock Valley Apartments, GMS Road, Sewla Kalan, P.O. Majra, Dehradun, Uttarakhand-248171	Member	Yes
4	Shri. Avijit Ghosh (CMD- Heavy Engineering Corporation Limited) (Retd.)	Singhee Marg, A- 604 Shahadeo Tower, P.P.Compound, Ranchi 834001, Jharkhand	Member	Yes
5	Shri. Bandi Ramchandra Reddy (CMD-South Eastern Coalfields Limited)- (Retd.)	Flat No-503 A, Jyoti Cosmos, White Fields, Hi-Tech City, Kondapur, Hyderabad-500081	Member	Yes

6	Prof. Pramod Kumar, Professor, Shri Aurobindo College, University of Delhi	Shri Aurobindo College, University of Delhi 1372, B-1, Vasant Kunj, New Delhi-110070	Member	No
7	Prof. Devesh Walia, Department of Environmental Studies	Department of Environmental Studies, NEHU, Shillong-793022 Meghalaya	Member	Yes
8	Dr. Suresh Tiwari Scientist-F	Indian Institute of Tropical Meteorology, Pune, New Delhi Branch, Prof. Ram Nath Viji Marg Rajinder Nagar, New Delhi - 110060	Member	No
9	Dr. K.G. Asha Manjari, Professor, University of Mysore	10/B, "SPARSHA", 2nd Main, 2 nd Cross, Bhogadi Ind Stage, Mysore-570026, Karnataka	Member	Yes
10	Prof. Dev Dutt Sharma, Vice-Chancellor	Sardar Patel University, Mandi H.P. 175001	Member	No
11	Shri V. K. Soni, Representative of India Meteorological Department	Government of India, Ministry of Earth Sciences, India Meteorological Department, Mausam Bhawan, Lodi Road, New Delhi – 110003	Member	No
12	Shri Yogesh Kale, Representative of Indian Bureau of Mines	Controller of Mines, IBM Block D, Second Floor, Indira Bhawan, Civil Lines, Nagpur - 440001	Member	Yes
13	Shri Mohammed Niazi	Representative of Directorate General of Mines Safety	Member	Yes
14	Shri Pankaj Verma	3 rd Floor, Vaayu Block, Indira Paryawaran Bhawan, MoEF&CC, Jorbagh, New Delhi- 110003.	Member Secretary	Yes
