

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

SUMMARY RECORD OF 13TH 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 13th 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 17 April, 2023 through video conference. The list of participants is annexed herewith. 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 12th EAC (Non-Coal Mining) meeting held during 21-22 March, 2023:

The minutes of the 12th EAC meeting held during 21-22 March, 2023 were placed before the members of the EAC.

(1.1) Deliberation & Circulation on the Minutes of EAC meeting held during 27-28 December, 2022 & 17-18 January, 2023:

The minutes of EAC meeting held during 27-28 December, 2022 & 17-18 January, 2023 were placed before the members of the EAC. The Member Secretary informed the EAC regarding the following corrigendum.

S. No	Reference as per minutes of EAC meeting held during 27-28 December, 2022 & 17-18 January, 2023	Clause as per minutes of EAC meeting held during 27-28 December, 2022 & 17-18 January, 2023	Recommendation of EAC (Non-Coal Mining) meeting held on 17 th April, 2023	Justification
1	Agenda 1.2, Point No: 3, Specific condition (ii), Pg.56 Clause (1.0),	The Environmental Clearance (EC) is accorded for the reduced area of 2558.581 Ha [FC available 2419.871 ha + non-forest land	The Environmental Clearance (EC) is accorded for the reduced area of 2558.581 Ha [FC available 2419.871 ha + non-forest land	In case of existing mining leases i.e. where mining operations are already going on, the Ministry

	<p>S.no:1 in Table, Pg. No:1</p>	<p>138.710 ha] out of 2564.323 ha. The Project Proponent needs to submit the revised mining plan for the reduced area of 2558.581 Ha approved by the Indian Bureau of Mines (IBM) or Stage-I FC for 5.742 ha area prior to grant of Environmental Clearance (EC).</p>	<p>138.710 ha] out of 2564.323 ha.</p>	<p>has considered the approval under the FC Act in part and for the remaining forest land General Approval under Section 2(iii) has been granted for the purpose of assignment of lease subject to payment of NPV.</p> <p>The user agency has mining plan for the entire lease area which is as per the observations of the Hon'ble Supreme Court made in common cause judgment.</p> <p>In similar proposal of existing mine of M/s Tata Steel Ltd for Joda East Iron mine, the Ministry has granted the EC on 13.04.2023 after recommendation of EAC and opinion of FC Division.</p>
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Day 1: 17.04.2023 (Monday)

1.1 Expansion in Limestone Production Capacity of M/s Prism Johnson Ltd from 1.3 Million TPA to 5.0 Million TPA, Top Soil: 2.322 Million TPA & OB/SB/IB: 5.590 Million TPA (Total Excavation: 12.912 Million TPA) and installation of new crusher of 1200 TPH Capacity in the mine lease area of 512.317 ha, located at Village: Baghai, Tehsil: Rampur Baghelan, District: Satna, Madhya Pradesh – [File No: J-11015/25/2019-IA.II(M), Proposal No: IA/MP/MIN/403008/2022; Consultant: M/s J.M. EnviroNet Pvt. Ltd] - Environmental Clearance (Expansion)

The instant proposal is for mining of Limestone for Expansion in Limestone Production Capacity of M/s Prism Johnson Ltd from 1.3 Million TPA to 5.0 Million TPA, Top Soil: 2.322 Million TPA & OB/SB/IB: 5.590 Million TPA (Total Excavation: 12.912 Million TPA) and installation of new crusher of 1200 TPH Capacity in the mine lease area of 512.317 ha, located at Village: Baghai, Tehsil: Rampur Baghelan, District: Satna, Madhya Pradesh.

2. The details of the project as ascertained from the document 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°32'46.4" N to 24°34'37.8" N and Longitude: 81°02'01.1" E to 81°04'47.9" E. The mine lease area falls under the Survey of India Toposheet No. G44U14 & G44V2 and falls in Seismic Zone-II.
- ii. The proposed project activity is listed at Schedule no. 1(a) Mining of Minerals of the schedule of the EIA Notification, 2006 and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.

iii. Details of Previous Environmental Clearance (EC):

Date of application	File No/ Proposal No	Consideration by EAC	Details of EC	Date of accord
27.05.2008	J-11011/ 949/2007- IA.II (I) IA/MP/IND/ 19733/2008	-	Integrated Environmental Clearance (EC) for Clinker Production Unit (3.0 MTPA), Cement (6.7 MTPA) and Mines (Hinouti & Sijhata I – 772.067 ha, Hinouti & Sijhata II – 99.416 ha, Mendhi – 117.594 ha and Bagahai – 512.317 ha) at Makahari, PO Bathia, District Satna, MP by M/s Prism Cement Ltd (Line-II)	22.09.2008

08.05.2020	J-11011/ 949/2007- IA.II(I) IA/MP/IND/ 152775/2020	-	Name change in Environmental Clearance from M/s Prism Cement Ltd (Line-II) to M/s Prism Johnson Ltd.	29.07.2020
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iv. Details of Terms of Reference (ToR):

Date of application	File No/ Proposal No	Consideration by EAC	Details of ToR	Date of accord
06.12.2018	IA-J-11015/ 25/ 2019-IA- II(M) IA/MP/MIN/ 87816/2018	February 20-21, 2019	Terms of Reference (ToR) for Expansion in Limestone Production Capacity from 1.3 Million TPA to 5.0 Million TPA, Top Soil: 2.322 Million TPA & OB/SB/IB: 5.590 Million TPA (Total Excavation: 12.912 Million TPA) and installation of new crusher of 1200 TPH Capacity in the mine lease area of 512.317 ha, by M/s Prism Johnson Ltd, located at Village: Baghai, Tehsil: Rampur Baghelan, District: Satna, Madhya Pradesh	27.10.2020

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

Private land	511.246
Government land	1.071
Forest land	Nil
Total Mining lease area (MLA), ha	512.317
Private land for crusher, workshop & other infrastructure outside the MLA	No infrastructure is proposed outside the ML area

vi. Details of Mine Lease Area:

- a) The Project Proponent has submitted that initially Letter of Intent (LoI) was issued vide letter no 3-07/2006/12/2 dated 08.08.2006 over an area of 512.317 hain favour of M/s. Prism Cement Ltd.
- b) Then, the Mining Lease was granted by the State Govt. vide letter no. F3-07/06/12/1 Bhopal dated 16.09.2008in favour of M/s. Prism Cement Ltd.
- c) Mining Lease deed was executed on 14.02.2011 effective from 28.02.2011 for the period of 30 years till 27.02.2041.

d) Thereafter name of Company was changed from M/s. Prism Cement Ltd. to M/s. Prism Johnson Ltd. vide letter no 4397/1825/2018/12/1 dated 20.09.2018. Subsequently, amendment was done in the lease deed in the name of M/s. Prism Johnson Ltd.

vii. Mining Plan Details:

Review of Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines (IBM)	Letter No.	MP/Satna/Limestone/RMP-57/2020-21	
	Date	09.04.2021	
	Mineral & (Major/Minor)	Limestone	
	Mine Lease Area, Ha	512.317	
	Validity	2021-22 to 2025-26	
Mining Parameters	Quantitative Description		
Method of Mining	Fully-Mechanized Opencast Method		
Drilling/Blasting	S. No.	Particular	Details
	1.	Bench height (m)	6-8 m
	2.	Bench Width (m)	18 m
	3.	Drill hole dia	(100-115) mm
	4.	Depth of hole	8 m
	5.	Burden	3 m
	6.	Spacing	4 m
	7.	Tonnage per hole	240 Tonne
	8.	Powder Factor	5.75 Tonne/Kg
Geological Reserves	42.416 Million Tonnes		
Mineable Reserves	30.856 Million Tonnes		
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/Waste, MTPA)	Top Soil: 2.322 Million TPA OB/SB/IB: 5.590 Million TPA Total Excavation: 12.912 Million TPA Limestone Production Capacity from 1.3 Million TPA to 5.0 Million TPA		
Life of mine	~21 years (Based on planning)		
Mine Bench Height & Bench Width	6-8 m & 18 m		
No. of Mine Benches	5		
Existing Depth, m bgl	271 m AMSL (31m bgl considering 302m AMSL)		
Ultimate Depth of Mining, m bgl	250 m AMSL (55m bgl considering 305m AMSL)		
Ground Water Table, m bgl	Pre-monsoon: 273 to 276 m AMSL (25-28 m bgl) Post-monsoon: 276 to 281 m AMSL (20-25 m bgl)		
Details of ground water intersection	Pre-monsoon: 273 to 276 m AMSL (25-28 m bgl) Post-monsoon: 276 to 281 m AMSL (20-25 m bgl) Ultimate working depth of the mining operation		

	will be 250m AMSL (55m bgl– considering 305m AMSL ground level). Therefore, ground water will be intersected due to mining activities.
Individual bench slope	80°
Overall pit slope	45°
Details of existing/ proposed Crusher	Installation of new crusher of 1200 TPH capacity
Mineral Beneficiation	The mining process neither involves any wet mineral beneficiation process or any chemical mineral beneficiation process.
RoM output size	Less than 1m x 1m
Transportation details including capacity of dumper/tipper, mode of transport and distance	The Mineral is being transported via road using tippers of 35 T Hyva. The distance between mining lease to cement plant is ~5.3 km.
Generation of Topsoil/OB & its Management during plan period & conceptual period	During plan period total 0.442 million cum (0.707 million tonnes) of top soil & 3.308 million cum (5.292 million tonnes) of OB Soil will be generated. At conceptual stage, total 4.055 million cum (6.488 million tonnes) of soil {including 0.608 million cum of topsoil (0.972 million tonnes) & 3.447 million cum of OB Soil (5.515 million tonnes)} will be generated. Topsoil will be used for greenbelt/plantation & for leveling of backfilled area and OB Soil will be used for backfilling purpose.
Generation of Mineral Rejects/ Waste & its Management during plan period & conceptual period	During plan period total 6.725 million cum (16.812 million tonnes) of waste (waste rock) will be generated. During Conceptual stage, Total 8.878 million cum (22.195 million tonnes) of waste rock will be generated. Entire waste material will be backfilled in the mined out area.

viii. Water requirement:

Total water requirement	90.0 KLD	Fresh water	84.0 KLD
		Treated water	6.0 KLD
Source	Existing water requirement is 50 KLD. Additional water requirement for expansion will be 40 KLD; therefore, total water requirement after expansion will be 90 KLD. Water will be sourced from the ground water & rainwater collected in mine sump.		
Permission for withdrawal/ intersection along with details of	i. Combined NOC for Cement Plant & Mine Leases was obtained from CGWA vide letter no. 21-4(25)/NCR/CGWA/2008-1612 dated 12.09.2017 for		

grant and its validity	<p>the maximum quantity of 1500 KLD.</p> <p>ii. NOC has been obtained vide NOC No. CGWA/NOC/IND/REN/2/2021/6346 dated 12.09.2019 & the same was valid up to 11.09.2022.</p> <p>iii. NOC has been obtained from CGWA vide NOC No. CGWA/NOC/MIN/ORIG/2022/14892 dated 25.03.2022 for ground water abstraction of 487.0 m³/day & the same is valid up to 24.03.2024.</p>
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ix. Nearest village/town/ highway/interstate boundary/railway station/water bodies/monument/ forest:

Particular	Particular's Name	Distance & Directions
Village	Baghai	Habitation of Village Baghai falling in restricted part of the lease area
Town	Satna Rewa	~17 km, West ~21 km, East
Highway	NH- 75	~3.5 km, SSW
Interstate Boundary	None	-
Railway Station/Railway line	Baghai Railway Station	Passing through restricted part of the ML Area
Water Bodies	Canal Jura Nallah Bakna Nallah Mainha Nallah Sharmavati Nallah Magardaha Nallah Nar Nadi Dila Nadi Tons or Tamasa Nadi Kariari Nadi	Passing through the lease area ~1.5 km, South ~2.0 km, SSW ~4.0 km, SSE ~5.5 km, South ~6.0 km, WNW Adjacent, West ~3.0 km, NNE ~ 3.5 km, NW ~8.0 km, East
Forest	Sathari Reserve Forest in 3 patches Jamori Reserved Forest Khanod Jhalwar Reserve Forest	~1.0 km to ~6.5 km ~7.0 km, WNW ~8.5 km, SSW

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

Forest Area/Environmental Zone	Land/Protected Land/Environmental Sensitivity	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 falls within the mine lease area. A Certificate has been obtained from the Principal Chief Conservator of Forest (Wildlife) & Chief Wildlife Warden, Bhopal, MP vide letter

		no V. Pra./Maa. Chi./GEN-268/2438, dated 15.03.2021.
National Park	No	No National Park, Wild Life Sanctuary, Eco Sensitive Zone (ESZ)/ Elephant/Tiger Reserve, Eco-Sensitive Area (ESA) etc. falling within 10 km study area
Wildlife Sanctuary	No	
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	No	
Coastal Regulation Zone (CRZ)	No	The proposed mine is located in District Satna of State Madhya Pradesh, which is not a coastal zone. Therefore, the proposed mine does not come under purview of CRZ notification.
Schedule-I species (No.s and name of schedule-I species with authenticated letter)	None	None
Wildlife Conservation Plan	-	As per Authenticated list of flora & fauna dated 15.03.2021, there is no Schedule-I species and Wildlife Conservation Plan is not applicable

xi. Green belt/plantation details:

Proposed area for green belt/plantation and no. of saplings proposed	At Conceptual Stage, total area of 197.552 ha will be covered under Greenbelt/plantation (Greenbelt: 9.325 ha, Backfilled: 99.46 ha, Bench Plantation: 21.377 ha, Plantation on safety zone canal, Road, pond, Habitation of restricted area: 67.39 ha).
Budget for green plant& plantation till the end of life of mine.	Rs. 4.93 Crore
Budget for nursery	-
Details of existing plantation and its survival rate	An area of 17.58Ha has been covered under Greenbelt &Plantation with 90% survival rate.
No. of tree cuts in the mine lease area and compensatory afforestation	Trees cut during the mining operation are about 140 nos and will try to replant the same in consultation with the experts. Beside this, at conceptual stage, 197.552ha area will be covered under green belt & plantation (Greenbelt: 9.325 ha, Backfilled: 99.46 ha, Bench Plantation: 21.377 ha, Plantation on safety zone of canal, Road including school, Pond, Railway patches, Habitation of restricted area: 67.39 ha).The trees will be planted @ 2500 saplings per ha.

Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	9.325 ha along 7.5 m ML Periphery
50 m safety zone of nallah, roads, electric lines	57.018 ha
500 m safety zones of nearest habitation villages	10.372ha (50 m safety zone is considered with primary rock breaking)

xii. Baseline detail:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)					
Period of baseline data collection	March to May, 2019 & March to May 2022				
Season (Summer / Pre-monsoon / Post-monsoon / Winter)	Summer season				
Predominant Wind direction (From)	North-West				
Ambient Air Quality (no. of locations) and results	S.No	Parameters	March to May, 2019 (12 locations)	March to May 2022 (8 locations)	Standards ($\mu\text{g}/\text{m}^3$)
	1	PM ₁₀	53.8 to 89.2 $\mu\text{g}/\text{m}^3$	48.8 to 87.2 $\mu\text{g}/\text{m}^3$	100
	2	PM _{2.5}	24.2 to 46.5 $\mu\text{g}/\text{m}^3$	28.0 to 49.1 $\mu\text{g}/\text{m}^3$	60
	3	SO ₂	6.3 to 13.3 $\mu\text{g}/\text{m}^3$	6.0 to 13.0 $\mu\text{g}/\text{m}^3$	80
	4	NO ₂	10.7 to 24.3 $\mu\text{g}/\text{m}^3$	11.8 to 27.1 $\mu\text{g}/\text{m}^3$	80
	5	CO	0.56 to 0.73 mg/m^3	BDL to 0.81 mg/m^3	4 mg/m^3
Noise level (no. of locations) and results	S.No	Parameters	March to May, 2019 (12 locations)	March to May 2022 (8 locations)	Standards dB (A)
	1	Day Time [Leq dB(A)]	51.5 to 62.4	53.1 to 61.5	Industrial: 75 Commercial: 65 Residential: 55 Silence: 50
	2	Night Time [Leq dB(A)]	42.0 to 58.9	42.6 to 51.9	Industrial: 70 Commercial: 55 Residential:

					45 Silence: 40
Ground Water Quality (no. of locations) and results	S.No	Parameters	March to May, 2019 (10 locations)	March to May 2022 (8 locations)	Standards
	1	pH	7.03 to 8.10	7.04 to 7.47	6.5 to 8.5
	2	TDS (mg/l)	456 to 789	344 to 608	500-2000
	3	Fluoride (mg/l)	0.72 to 1.23	0.56 to 0.70	1-1.5
	4	Sulphate (mg/l)	33.68 to 210.51	30.04 to 172.6	200-400
	5	Calcium (mg/l)	71.54 to 179.88	59.4 to 146.5	75-200
	6	Magnesium(mg/l)	13.63 to 42.99	17.3 to 39.7	30-100
Surface Water Quality (no. of locations) and results	S.No	Parameters	March to May, 2019 (4 locations)	March to May 2022 (1 location)	
	1	pH	7.39 to 7.46	7.36	
	2	TDS (mg/l)	171 to 362	326	
	3	DO (mg/l)	4.70 to 5.50	6.7	
	4	BOD (mg/l)	5.20 to 9.60	5.1	
	5	Magnesium(mg/l)	1094 to 32.81	19.2	
Soil Quality (no. of locations) and results	S.No	Parameters	March to May, 2019 (10 locations)	March to May 2022 (8 locations)	
	1	pH	7.23 to 8.15	7.53 to 8.15	
	2	Texture	Silt Loam	Silt Loam	
	3	Organic Matter (%)	0.68 to 1.24	0.88 to 1.35	
Hydro geological study and results	Hydrogeology study has been conducted during the Summer Season (March to May 2021) and based on the same NOC has been obtained on 25.03.2022. The radius of influence calculated from the mine site is 500m from the working pit in the plan period. The impact will be within the mining lease area. The water withdrawal due to seepage will neither decline the water level nor have any harmful impact in the water quality.				
Traffic study (no. of locations) and results	Traffic survey has been carried out & impact of transportation on either side of the road has been shown by the means of line source modeling and isopleths. At present 4,334 TPD of Limestone is being transported from mine to the cement plant via 5.3 km long public road passing through Mendhi Limestone Mine and Hinauti Sijhatta Limestone Mine through 35 T capacity Hyva truck. Total number of trips required to transport 4,334 TPD of limestone are 124 (248				

	trips to & from) and number of trips per hour are 8. V/C ratio for the existing traffic scenario was observed as 0.17 which falls under the LOS category "A Excellent".
Additional information (if any)	Project Proponent submitted that earlier baseline study was conducted during Summer Season (March to May, 2019). As the Baseline data was 3 years old; one season fresh baseline data was collected during Summer Season (March to May, 2022).

xiii. Public Hearing (PH) Details:

Advertisement for PH with date (name of major national daily and one regional vernacular daily newspaper)	National Level/Local Level: Star News, Navbharat Samachar dated 01.01.2022 Patrika News Satna dated 02.01.2022
Date of PH	04.02.2022 at 11:00 AM
Venue	Near the site office at the mine site in Village: Baghai, Tehsil: Rampur Baghelan, District: Satna, MP
Chaired by	Shri Rajesh Shahi: Additional District Magistrate, Satna Shri KP Soni, Regional Officer, M. P. Pollution Control Board, Satna
Main issues raised during PH	Issues raised during public hearing were about blasting, tree cutting, protection of environment, compensation, pollution, employment, non-provision of fruit bearing trees, drinking water, health care facilities, education, infrastructure development, skill development, plantation in nearby areas etc.
Budget proposed for addressing issues raised during PH over 3 years	Capital Cost: Rs. 2.02 Crores Recurring Cost: Rs 8.10 lakh/annum

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

Particulars	Details of Letter along with date of grant and validity
Consent to Establish	Consent to Establish (CTE) issued by the Madhya Pradesh Pollution Control Board (MPPCB) vide letter no. 10.096/TS/Mine/MPPCB/2008, dated: 15.12.2008 for establishing captive Bagahai Limestone mine – 512.317 ha for production of 1.3 MTPA.
Consent to Operate	Consent to Operate (CTO) issued by the Madhya Pradesh Pollution Control Board (MPPCB) vide outward no 116158 with consent no. AW-56449

	dated 02.08.2022 for mining of Limestone of 1.3 MTPA and it is valid upto 31.12.2023.																																																
Certified Compliance Report and Inspection date	Fresh Certified Compliance Report has been obtained vide file no. 5-249/2008(Env) dated 20.02.2023. Copy of the Action Taken Report has been obtained from the Integrated Regional Office, Bhopal vide file no. 5-249/2008(Env) dated 29.03.2023. Inspection Date: 07.12.2022.																																																
Certified Production Details from the inception of the mine (in tabular form against the EC capacity)	<p>Mining operations commenced on 12.12.2011. Authenticated production details were obtained from Office Collector, (Mine Branch), District Satna, MP vide letter no. 109/Khanij/2019, Satna, dated 11.01.2019; vide letter no. 2261/Khanij/2019, Satna, dated 27.08.2019; vide letter no. 1503/Khanij/2020, Satna, dated 10.08.2020; vide letter no. 2290/Khanij/2021, Satna, dated 16.08.2021 & vide letter no. 1522/Khanij/2022, Satna, dated 25.08.2022.</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Year</th> <th>Production (In Tonnes)</th> <th>EC capacity (In Tonnes)</th> </tr> </thead> <tbody> <tr><td>1.</td><td>2011-12</td><td>433513</td><td>13,00,000</td></tr> <tr><td>2.</td><td>2012-13</td><td>1113733</td><td>13,00,000</td></tr> <tr><td>3.</td><td>2013-14</td><td>1299868</td><td>13,00,000</td></tr> <tr><td>4.</td><td>2014-15</td><td>185730</td><td>13,00,000</td></tr> <tr><td>5.</td><td>2015-16</td><td>1288068</td><td>13,00,000</td></tr> <tr><td>6.</td><td>2016-17</td><td>1290324</td><td>13,00,000</td></tr> <tr><td>7.</td><td>2017-18</td><td>1298812</td><td>13,00,000</td></tr> <tr><td>8.</td><td>2018-19</td><td>1299443</td><td>13,00,000</td></tr> <tr><td>9.</td><td>2019-20</td><td>1299687</td><td>13,00,000</td></tr> <tr><td>10.</td><td>2020-21</td><td>1299551</td><td>13,00,000</td></tr> <tr><td>11.</td><td>2021-22</td><td>1296406</td><td>13,00,000</td></tr> </tbody> </table> <p><i>Source: Office Collector, (Mine Branch), District Satna, MP</i></p>	S. No.	Year	Production (In Tonnes)	EC capacity (In Tonnes)	1.	2011-12	433513	13,00,000	2.	2012-13	1113733	13,00,000	3.	2013-14	1299868	13,00,000	4.	2014-15	185730	13,00,000	5.	2015-16	1288068	13,00,000	6.	2016-17	1290324	13,00,000	7.	2017-18	1298812	13,00,000	8.	2018-19	1299443	13,00,000	9.	2019-20	1299687	13,00,000	10.	2020-21	1299551	13,00,000	11.	2021-22	1296406	13,00,000
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xv. Rehabilitation & Resettlement (R&R):

R & R details	<p>The Project Proponent has submitted that this is an existing mine and expansion will be carried within existing ML area. Total ML area is 512.317 ha, out of which 1.071 ha is Govt. land and 511.246 ha is Pvt. Land. Out of 511.246 ha of Pvt. land, 61.915 ha shall remain undisturbed; hence not required to be purchased. After excluding the undisturbed land total Pvt. land anticipated for mining is 449.331 ha, out of which 174.15 ha has been purchased whereas balance land of 275.181 ha needs to be purchased for carrying out mining activity. There are 162 PAFs within the lease area out of which, 89 PAFs are homestead outsees which will be displaced. Compensation will be provided</p>
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	as per the LARR Act, 2013. Budget earmarked for R&R Action Plan is Rs. 197.50 crore.
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xvi. Court case details:

Court Case, No and its present status	The Project Proponent vide letter dated 13.10.2022 assured that there is no litigation pending against the project and/or any direction /order passed by any court of law against the proposed project and that for any such litigation whatsoever, the sole responsibilities will be borne by the company.
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xvii. Affidavit/Undertaking details:

Affidavit as per Ministry's OM dated 30.05.2018	The Project Proponent submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing no: AV 238741 dated 17.10.2019 stating that the company will comply with the all the statutory requirement & judgment of Hon'ble Supreme Court dated 2 nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.
Undertaking by Project Proponent in EIA/EMP report	The Project Proponent has submitted an undertaking vide letter dated 13.10.2022 stating that they have reviewed the EIA report and take full responsibility and ownership of the contents presented in the EIA report by J.M. EnviroNet Pvt. Ltd. Instructions as per MoEF&CC vide OM No. J-11013/41/2006-IA.II(I) dated 04.08.2009 has been followed in the preparation of this EIA report.
Undertaking by Consultant in EIA/EMP report	The Consultant submitted an undertaking vide letter dated 15.10.2022 to the effect that the conditions laid down in Terms of Reference prescribed by MoEF&CC, New Delhi vide letter no. J-11015/25/2019-IA.II(M) dated 27.10.2020 have been complied as per data/details provided by Project Proponent & as per Approved Mining Plan along with Progressive Mine Closure Plan approved by IBM and the data submitted are factually correct.
Plagiarism Certificate	The Head of the Accredited Consultant Organization/ Authorized person certified that this EIA Report has been evaluated by using online software viz. Plagiarism Checker X on 08.10.2022. The report produced has been analyzed by the system and based on it and

	certify that the EIA Report produce in accordance with good scientific practice.
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xviii. Details of the Environmental Management Plan (EMP):

S. No.	Activities	Existing		Additional		Total	
		Capital	Recurring	Capital	Recurring	Capital	Recurring
1	EMP for Pollution Control & Monitoring						
Mitigation Measures							
1	Bag filters	-	-	25.00	0.20	25.00	0.20
2	Permanent water sprinkling arrangements for main haulage road (Length 0.5 km)	-	-	15.00	0.20	15.00	0.20
3	Water tanker (12 KL) for water sprinkling in other roads and mining areas/activities	-	10.00	-	10.00	-	20.00
4	Greenbelt has been developed covering an area of 3.1 ha with 7750 nos of saplings & remaining area of greenbelt i.e. 6.225 ha will be completed in upcoming year with 15562 nos of saplings	7.75	0.50	15.56	1.00	23.31	1.50
	Plantation along the safety zone has been developed covering an area of 7.3 ha & remaining area i.e. 60.09 ha to be covered in upcoming 5 years (Total cost: 1.68 Crore)	18.25	0.50	150.22	1.00	168.47	1.50
	Plantation has been developed on 7.18 ha of backfilled area with 17,650 nos of saplings & remaining backfilled area i.e. 92.28 ha to be rehabilitated by plantation/regrassing with 2,30,700 nos of saplings as per Mining Plan	17.95	0.50	-	28.84	17.95	29.34
	Bench Plantation, Area: 21.377 Ha, In last 2 years, Nos of Saplings: 53442 (Total Cost: Rs. 53.44 Lakh, Recurring Cost: 6.68 Lakh considering 8 years)	-	-	-	6.68	-	6.68
5	Water spray at loading point of crusher	-	-	8.00	0.20	8.00	0.20
6	Construction of Garland Drain around soil dump	6.00	0.62	3.90	0.40	9.90	1.02
7	Stone pitching of Garland Drain	-	-	2.00	0.20	2.0	0.20
8	Construction of Retaining Wall around soil dump	8.00	0.80	3.00	0.30	11.00	1.10
9	Construction of Channelized	3.81	0.51	3.00	0.40	6.81	0.91

Minutes of 13th EAC (Non-Coal Mining) meeting held on 17th April, 2023

	Catch Drains						
10	01 nos. of Settling Tank / Sedimentation Pond	2.00	-	2.00	0.40	4.00	0.40
Sub-Total		63.76	13.43	227.68	49.82	291.44	63.25
Monitoring							
1	Continuous Ambient Air Quality Monitoring Stations at Mine Site (online) at village Baghai	-	-	70	13.73	70	13.73
2	Ambient Air Quality Monitoring (4 locations)	4.50	0.40	-	0.40	4.50	0.80
3	Fugitive dust emission monitoring (4 locations)	-	0.15	-	0.15	-	0.30
4	Construction of two Piezometers in & around mining lease area	0.50	0.40	5.82	0.40	6.32	0.80
5	Ground water quality analysis (PZ Wells, 4 times in a year)	-	0.30	-	0.30	-	0.60
6	Surface Water Quality Analysis (Upstream and downstream of Seasonal Nallah & Mine Sump) - 5 samples * half yearly	-	0.30	-	0.28	-	0.58
7	Workshop Waste Water Quality Analysis (monthly) as well as maintenance of oil-water separators	-	0.30	-	0.30	-	0.60
8	Peak Particle Velocity Monitoring for nearest habitation i.e. Tapa, Satri	2.00	0.05	-	-	2.00	0.05
9	Ambient Noise Monitoring (4 locations * monthly frequency)	2.00	0.01	-	0.02	2.00	0.03
10	Digital mapping of entire mine area once in three years (Rs. 3 Lacs once in 3 years)	-	3.00	-	3.00	-	6.00
11	Others, if any	17.40	6.00	7.50	6.00	24.90	12.00
Sub-Total		26.40	10.91	83.32	24.58	109.72	35.49
II	Estimated Budget for Addressing the Public Hearing Issues (Within 3 years)	-	-	202.0	8.10	202.0	8.10
Grand Total		90.16	24.34	513.00	82.50	603.16	106.84

xix. Details of project cost and employment:

Particular	(Rs. In Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	6.03 Crores
Project Cost	210 Crores
Employment (No.s)	302 Persons

3. Observation and Recommendation of the Committee: -

The Project Proponent/Consultant presented the KML file to indicate the site features in the vicinity of the mine lease area and within 10km radius. The Project Proponent has shown the mine lease area and the cement plant in the KML file. The Project Proponent has shown the different blocks proposed for mining. A canal is passing through the eastern block of the lease area in north western direction. A nallah is passing adjacently to the mine lease boundary and will not be disturbed. Nar Nadi terminating into Ton or Tamas River (Near Village Raghunathpur) passing adjacently to the western boundary of the lease area and continues towards in NW direction. 50 m from the edge of Nar Nadi is being/will be left as a safety barrier zone. The Project Proponent also informed the EAC that the railway line passing through the restricted part of the lease area. The EAC asked the Project Proponent whether the railway line falls within the mine lease area or not. The Project Proponent informed the EAC that railway line is outside the mine lease area and is not a part of the mine lease area. The EAC asked the Project Proponent to obtain the NOC from the Railways Dept. when approaching that area for mining operation. The EAC opined that the Project Proponent shall not undertake the blasting activity within 500m from the railway boundary without scientific study and to obtain necessary permission from DGMS and Railways. The EAC also asked the Project Proponent whether NOC has been obtained from the Irrigation Dept. for ensuring the stability of the canal from the blasting activity. The Project Proponent informed the EAC that the NOC will be obtained before approaching mining operation close to the canal. All the mining activity proposed expansion to be carried out in next five years will not interfere anywhere with the natural drainage pattern.

The Project Proponent informed the EAC that the mine lease is valid up to 27.02.2041. Mining Plan approved by IBM on 09.04.2021 for the enhanced production capacity of 5.0 MTPA. The Project Proponent also informed the EAC that there is no excess production done over and above the EC capacity of 1.3 MTPA. The Project Proponent informed the EAC that the baseline data was collected during March-May, 2022 (Summer season) and the predominant wind direction was from South West. The post projection concentration of air pollutants will be within the prescribed limits of National Ambient Air Quality Standards (NAAQS). Water accumulated in the mine pit will be utilized in the development of greenbelt/plantation, dust suppression and in case of surplus quantity water will be provided to the villagers as per their requirement for agriculture purpose. An area of 174.15 ha has been already purchased and balance area of 275.181 ha needs to be purchased for carrying out mining activity. Budget allocated for R&R Action Plan is Rs. 197.50 Cr. The Project Proponent also informed the EAC that budget of Rs. 2.02 Crores has been allocated towards to address the concerns of the public hearing. The Project Proponent has shown the Certified Compliance Report dated 20.02.2023 issued by the Integrated Regional Office (IRO), Bhopal. Project Proponent also informed the EAC that the site inspection was carried out by IRO on 07.12.2022. Further, the Project Proponent has also shown the action

taken report issued by the IRO on 29.03.2023. The EAC asked the Project Proponent to make provision for permanent dust suppression system to control the fugitive emission.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC under the provisions of EIA Notification, 2006 and its subsequent amendments, the EAC **recommended** the proposal for grant of Environmental Clearance to M/s Prism Johnson Ltd for mining of Limestone for Expansion in Limestone Production Capacity of from 1.3 Million TPA to 5.0 Million TPA, Top Soil: 2.322 Million TPA & OB/SB/IB: 5.590 Million TPA (Total Excavation: 12.912 Million TPA) and installation of new crusher of 1200 TPH Capacity in the mine lease area of 512.317 ha, located at Village: Baghai, Tehsil: Rampur Baghelan, District: Satna, Madhya Pradesh subject to the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects: -

- i. This Environmental Clearance will be valid upto the validity of the mine lease period i.e., 27.02.2041.
- ii. No Nallahs and other water bodies in and around the vicinity of the mine lease area shall not be disturbed at any stage. Regular monitoring on water quality of nallah shall be carried out.
- iii. The Project Proponent shall strictly adhere to the mines act and rules w.r.t. habitations, schools, water bodies, roads, railway lines etc., prevailing in the vicinity of the mine lease area and necessary permission shall be obtained from the concerned authorities.
- iv. No mining activity shall be undertaken within 500m radius from the railway boundary. Necessary permission from DGMS and NOC shall be obtained from the Railways Dept. before the mining activity approaching to the railway area. The same shall be submitted to the Ministry's Integrated Regional Office.
- v. The Project Proponent shall construct the boundary wall of adequate height with green fencing and shall undertake dense plantation all along the boundary near the school (restricted part of the mine lease area).
- vi. The Project Proponent shall maintain the distance of 500m radius between the school (restricted part of the mine lease area) and mine lease area throughout the life of the mine. No blasting activity shall be undertaken in this zone.
- vii. The Project Proponent shall carryout the blasting in such a way that the direction of the blasting should be perpendicular to the school.

- viii. The ground induced blasting vibrations shall be monitored regularly for every blast performed and the values of “peak particle velocity” and “Air Over Pressure” shall be maintained below the permissible values prescribed by the DGMS, from time to time. The data needs to be maintained and submitted along with the six monthly compliance report. The implementation status of the scientific study carried out CSIR-CIMFR shall be submitted to the Ministry’s Integrated Regional Office.
- ix. Prior permission from the Irrigation Dept. shall be obtained for ensuring the stability of the canal from the blasting activity.
- x. The Project Proponent should follow the back filling plan strictly as per the approved mining plan. Top soil dumping, preservation and utilization should be carried out as per the approved mining plan
- xi. Protective bund along the mine boundary towards the Canal shall be stabilized by fruit bearing plantation within two years from the issue of this EC. In between bund and plantation retaining wall should be constructed to arrest fine particles.
- xii. The Project Proponent shall monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry’s Integrated Regional Office.
- xiii. The Project Proponent needs to obtain prior permission from the Forest Dept. for cutting down the trees. PP shall approach the Forest Department to visit the site for demarcation of trees with their type. PP shall explore the possibility of tree transplantation before cutting of trees. Trees cannot be transplanted needs to replant the same in consultation with the Forest Dept. Trees cannot be transplanted shall vetted by the Forest Dept. before cutting of trees.
- xiv. The Project Proponent shall undertake the fruit bearing plantation all along the safety zone of the habitations, schools, railway lines, water bodies and roads within three years from the start of mining operations.
- xv. The Project Proponent needs to install the permanent water sprinklers along the haul road and the approach road. Further, 10 nos. of fog canon/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine area.

Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.

- xvi. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. The dense plantation shall be carried out in the vicinity of the crusher. The Stack emission monitoring of the Crusher shall be carried out at periodic intervals.
- xvii. The Project Proponent needs to complete the entire 7.5 m peripheral plantation, safety barrier plantation and gap plantation within three years from the start of mining operations. The Project Proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall implement the practice of drip irrigation for plantation.
- xviii. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Integrated Regional Office.
- xix. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 83.32 Lakhs. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.
- xx. The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants within two years of grant of EC. Any non-compliance or infringement should be reported to the concerned authority.

- xxi. The Project Proponent shall conduct third party audit of compliance of EC condition at an interval one year and its report shall be submitted to IRO, MoEF&CC.
- xxii. The budget of Rs 2.02 Cr to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity out comes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.
- xxiii. The Project Proponent needs to provide the RO drinking water supply and also by laying network of pipelines to the villages Baghai, Bairiha, Sijhata, Tapa, Satri, Medhi at free of cost.
- xxiv. The Project Proponent needs to construct the boundary wall (250 Feet Length and 5 feet Height) in Primary School located at Medhi Village with allocated budget of Rs 5.0 Lakhs.
- xxv. The Project Proponent needs to facilitate the online education system in the schools by providing Wi-Fi connectivity, smart classrooms and desktops/ tablets. PP shall construct a library which shall be made available to the school children as well as local people.
- xxvi. The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report.
- xxvii. The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.
- xxviii. The Project Proponent should implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs in line with the policy and guidelines of the Central/State Government, as provided under the law in such a way that the compensation should benefit the current and future generation.

- xxix. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly. The preference shall be given to the local people for the purpose of employment.
- xxx. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations. Regular surveillance on Silicosis shall be carried through regular occupational health check-up every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.
- xxxi. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.

1.2 Moharwa Limestone Deposit of M/s Adhunik Corporation Ltd for mining of Limestone with production capacity of 4.0 MTPA (ROM) along with Crusher with capacity of 1200 TPH in the mine lease area of 869.032 ha, located at Villages Moharwa, Ghotari, Gondin, Patahara, Goraiya, Barkula, Jhanjhwari, Tehsil – Maihar, District-Satna, Madhya Pradesh - [Proposal No: IA/MP/MIN/285429/2022, F.No: J-11015/177/2016-IA-II(M), Consultant: M/s Ind Tech House Consult] - Terms of Reference (ToR)

The instant proposal is for Terms of Reference (ToR) of M/s Adhunik Corporation Ltd for mining of Limestone in Moharwa Limestone Deposit with proposed production capacity of Limestone of 4.0 MTPA (ROM) along with Crusher with capacity of 1200 TPH in the mine lease area of 869.032 ha, located at Villages Moharwa, Ghotari, Gondin, Patahara, Goraiya, Barkula, Jhanjhwari, Tehsil – Maihar, District- Satna, Madhya Pradesh.

2. The details of the project as ascertained from the document 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°08'25.3"N to 24°10'56.6"N and Longitude: 80°51'14.9"E to 80°55'14.1"E. The mine lease area falls under the Survey of India Toposheet No. 63 D/16.
- ii. The proposed project activity is listed at Schedule no. 1(a) Mining of Minerals of the schedule of the EIA Notification, 2006 and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
- iii. The proposal was initially considered in the EAC meeting held during November 23-25, 2016 wherein the EAC noted that the total mine lease area is 869.032ha. Out of which 99% land is single crop agriculture land. No forest land is involved. Letter of Intent was issued by State Government of Madhya Pradesh vide letter dated 01.04.2015. The Committee noted that the lease is located in seven villages and there are human habitations (208 kutcha houses and 21 pucca houses) exist in the mine lease area. There are 1956 khata holders for the entire mine lease area. Based on the information furnished and presentation made by the Project Proponent and discussions held, the Committee is of the view that the Project Proponent shall revise the proposal and the proposal for reduced area may be submitted as the proposed mine site.
- iv. Now, the Project Proponent submitted the fresh proposal for grant of Terms of Reference vide online proposal no: IA/MP/MIN/285429/2022 dated 26.07.2022 and submitted Form-1 and Prefeasibility report under the provisions of the EIA Notification, 2006.
- v. The proposal was considered in the 2ndEAC (Non-Coal Mining) meeting held during 16-18August, 2022 wherein the Member Secretary informed the EAC that the Project Proponent vide email dated 06.08.2022 sought deferment and informed that the technical expert is not feeling well and hence PP was unable to furnish the desired information. Also, the Project Proponent requested to postpone the ToR proposal. Therefore, the EAC deferred the proposal as per the request of the Project Proponent vide email dated 06.08.2022. The Project Proponent vide letter dated 21.10.2022 requested to consider the proposal for grant of Terms of Reference (ToR) and the proposal was reconsidered in the 6th EAC (Non-Coal Mining) meeting held during 9-11November, 2022 wherein the Member Secretary informed the EAC that the Project Proponent vide email dated 09.11.2022 informed that they are not aware that the instant proposal was listed in the 6thEAC (Non-Coal Mining) meeting held during 9 - 11 November, 2022 and hence the Proponent requested the EAC to defer the proposal. Therefore, the EAC deferred the proposal based on the request of the Project Proponent. The Project Proponent on 05.12.2022 in Parivesh requested to consider the proposal. Accordingly, the proposal was reconsidered in the 8thEAC (Non-Coal Mining) meeting held during 27-28 December, 2022 wherein the EAC deferred the proposal for want of requisite information. The Project Proponent submitted

the information on 13.03.2023 in Parivesh portal and the proposal was again reconsidered in the EAC (Non-Coal Mining) meeting held on 17th April, 2023.

Based on observation of EAC in its EAC meeting held during 27-28 December, 2022, compliance of observation of EAC made by Project Proponent, are detailed below:

S. No	Observation of EAC	Reply by the Project Proponent
1	The Project Proponent needs to justify that why the mine lease area shall not be reduced as per the observation of EAC in its meeting held during November 23-25, 2016.	<p>The Project Proponent has submitted that the State Govt. has already curtailed the area by 118.5 ha (987.53 ha–118.5 ha = 869.03 ha) to avoid human settlement and statutory barriers (forest, streams and roads) during the grant of mine lease. State Govt. granted ML area over an area of 869.032 ha and Mining Plan was approved for an area of 869.032 ha.</p> <p>PP also submitted that the 3.75 Million Tonnes Per Annum (MTPA) captive limestone mine is linked to the proposed 2.5 Million Tons Per Annum Clinkerisation unit. To meet the demand of Clinkerisation unit, 3.75 MTPA of limestone is required. For 50 years of sustainable life of the Clinkerisation unit, 187.50 Million Tons of limestone (50 years x 3.75 MTPA) is required.</p> <p>Further, PP submitted that the Mining Lease area, Approved Mining Plan, EIA Study and Environmental Clearance should be compatible and accordingly mine lease was granted by the State Govt., Mining Plan was approved by IBM and proposal for EC was submitted. Therefore accepting any further reduction of area in TOR and EC is not tenable.</p>
2	The EAC noted that the Project Proponent has not executed the	The Project Proponent has submitted that in order to execute the mine lease

	mine lease deed. The Project Proponent needs to submit the current status of the mine lease area from the State Govt. in reference to Section 10 A(2)(c) of the MMDR Amendment Act, 2015.	deed, prior Environmental Clearance (EC) is a pre-requisite. PP also submitted the letter from the District Collector, Satna dated 28.04.2022 mentioning that the contract has to be executed within the stipulated time period as per the order of the Hon'ble High Court.																		
3	The Project Proponent needs to revisit the Land Use/Land Pattern based on the mineral deposit.	The Project Proponent has submitted that the Land Use/ Land Pattern is provided in the approved Mine Plan is based on mineral deposit. PP also submitted that Land Use/Land Cover will be further revisited the during the EIA study using latest satellite imagery.																		
4	The Project Proponent needs to submit the details of the total excavation to be handled annually.	<p>The Project Proponent has submitted the details of production as per the approved mining plan as follows:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Excavation, ha</th> <th>Production, million tons</th> </tr> </thead> <tbody> <tr> <td>0-5 year</td> <td>17.964</td> <td>3.549</td> </tr> <tr> <td>5-10 year</td> <td>85.0</td> <td>22.299</td> </tr> <tr> <td>10-15 year</td> <td>150.0</td> <td>41.049</td> </tr> <tr> <td>15-20 year</td> <td>220.0</td> <td>59.799</td> </tr> <tr> <td>20-27 year</td> <td>291.042</td> <td>83.906</td> </tr> </tbody> </table> <p>PP has submitted that as per the rules and practice in vogue, the criterion for approval of Mining plan was that reserves should be proved for at least 10 years of lease period. Accordingly, detailed exploration over an area of 291.042 ha (G2 level) confirmed about 83.906 Million ton of limestone reserve, which is sufficient to operate the Clinkerisation unit for 27 years. Detailed exploration of balance 577.99 ha ML area (869.032 - 291.042) will be done within 5 years of start of mining as per rules.</p>	Year	Excavation, ha	Production, million tons	0-5 year	17.964	3.549	5-10 year	85.0	22.299	10-15 year	150.0	41.049	15-20 year	220.0	59.799	20-27 year	291.042	83.906
Year	Excavation, ha	Production, million tons																		
0-5 year	17.964	3.549																		
5-10 year	85.0	22.299																		
10-15 year	150.0	41.049																		
15-20 year	220.0	59.799																		
20-27 year	291.042	83.906																		
5	The Project Proponent needs to submit the details of the court case	The Project Proponent has submitted the following chronology as given																		

in chronological manner along with copy of respective court orders.	below:		
	S.No	Particulars	Chronology of Events
	1	Grant of Prospecting License by Govt. of Madhya Pradesh over an area of 987.53 ha	14.08.2008
	2	Grant of Letter of Intent (LoI) by Govt. of Madhya Pradesh over an area of 869.032 ha	13.12.2011
	3	Mining Plan was approved by Indian Bureau of Mines over an area of 869.032 ha	05.12.2014
	4	Grant of Mining Lease by Govt. of Madhya Pradesh over an area of 869.032 ha (under section 8-A (3) of MMDR (Amendment) Act 2015 for a period of 50 years)	01.04.2015
	5	Expert Appraisal Committee of MoEF&CC asked the Project Proponent to reduce the mine lease area	25.11.2016
	6	The Project Proponent wrote letter to the Member Secretary, EAC-Non Coal Mining of MoEF&CC expressing its inability to further reduce the mine lease area	02.12.2016
7	The Project Proponent wrote letter to District Collector, Satna requesting to reply	10.01.2017	

			to MoEF&CC regarding reduction of the granted ML area	
		8	The Project Proponent approached the Hon'ble High Court at Jabalpur through WP/6702 of 2021.	
		9	The Hon'ble High Court passed the order directing the State Govt. to consider the aforesaid representation dated 10.01.2017 and react to the same in accordance with law within a period of three months from today	16.02.2022
		10	The State Govt. of Madhya Pradesh directed the District Collector Satna through order dated 8 th April 2022 to respond.	08.04.2022
		11	District Collector, Satna responded by asking the Project Proponent to obtain Environmental Clearance over the whole lease area in a time-bound manner and then execute the ML.	28.04.2022
		12	The Project Proponent applied in Form 1 for prior EC to MoEF&CC. The matter was heard by EAC on 27-28 December 2022	27.12.2022

vi. Details of Mine lease:

- a) The Project Proponent submitted that the Govt. of Madhya Pradesh vide letter dated 14.08.2008 granted the Prospecting Licence over an area of 987.53 ha. Prospecting Licence deed was executed on 25.08.2008 for a period of two years upto 24.08.2010.
- b) Then, the Govt. of Madhya Pradesh vide letter dated 13.12.2011 granted the Letter of Intent (LoI) for grant of mining lease over an area of 869.032ha. PP submitted that an area of 118.498 ha was deducted to avoid forest land, nallas, village roads and statutory barriers.
- c) The Govt. of Madhya Pradesh vide Order No. F3-20/2010/12-1, dated 01.04.2015 granted the mining lease over an area of 869.032ha for a period of 50 years.
- d) The Project Proponent submitted that the time for execution of mine lease was extended vide letter dt.31.05.2016.
- e) The Project Proponent has submitted that in order to execute the mine lease deed, prior Environmental Clearance (EC) is a pre-requisite and in this regard PP also submitted the letter from the District Collector, Satna dated 28.04.2022.

vii. Land use/Land Cover of the Mine Lease Area:

Private land	861.532 ha
Government land	7.5 ha
Total Mining lease area (MLA)	869.032 ha
Private land for crusher, workshop & other infrastructure outside the MLA	No land will be acquired outside the MLA. All infrastructure, crusher, workshop, etc., will be located inside MLA. (4.5 ha area inside ML will be used)

viii. Details of Mining Plan:

Mining Plan along with Progressive Mine Closure Plan approved by Indian Bureau of Mines (IBM)	Letter No.	MP/Satna/Limestone/G-14/14-15
	Date	05.12.2014
	Mineral	Limestone
	Mine lease area	869.032 ha
Mining Parameters	Quantitative Description	
Method of Mining	Fully mechanised mine. All operations of mining will be done by deployment of HEMM including deep hole drilling & blasting.	
Mineral Reserve	Mineral resource: 105.262 Million tons Mineral Reserve: 83.906 Million tons	
Life of mine	27 Years based on present level of exploration.	
Bench Height	7.5m	
Bench Width	30m	

Overall pit slope	45°
Drilling/Blasting	Dia. of holes 150 mm Charge per hole 45 kg
Transportation details	Blasted Limestone will be loaded in to the dumpers by loaders and will be transported to the destination crushing plant. Then, to the cement plant using Over Land Belt Conveyor. Cement plant is proposed at village Sagmania, at a distance of about 8 km from the Moharwa Mines
Dumpers capacity	60 Tons
OB/Waste	PP reported that about 2,54,460 m ³ of soil and 10,05,955 m ³ of OB/waste generated will be utilized for preparing protective bund by the side of the road and along the boundary. Rest OB will be stacked in south of the applied area and utilised for backfilling of mined out area.
Ultimate depth of Mining	320 m RL
Ground water level	45-50 m bgl (310-315 m RL)
Groundwater intersection	No

ix. Water requirement:

Total water requirement	100.0 KLD	Fresh water (Ground water)	50.0 KLD
		Treated water (mine sump)	50.0 KLD
Source	31 dug wells and hand pumps present in mine lease area. This water will be used for drinking purpose.		
Permission	Project Proponent submitted that the permission from the concerned authority will be obtained.		
Additional information (if any)	Water for dust suppression will be obtained from water accumulated in abandoned mine sump and other low lying areas. The domestic effluent from the site office and rest shelter will be discharged in septic tank and soak pit system.		

x. Nearest village / town/ highway/railway station / water bodies/monument:

Particulars	Particular's Name	Distance & Direction
Village	Moharwa	Mine Lease Area
Town	Maihar	14 km, NW
Highway	NH7 Maihar	17 km, NW
Railway Station	Maihar	20 km, NW by road
Water bodies	Andhiarinala	1 km, SE

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

Forest Area/Environmental	Land/Protected Sensitivity	Yes/No	Details of Certificate/letter/Remarks

Zone		
Forest Land	No	Project Proponent reported that there is no forest land involved in the mine lease area. However, the following forests are present within 10km radius of the study area such as Hardua RF - 10 km, Kerreha RF - 6.5 km, Junwani RF-3.5 km &Gorala RF- 1 km.
National park	No	
Wildlife Sanctuary	No	
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area(ESA)	No	
Schedule-I species	The Project Proponent submitted that the information will be furnished after conducting the flora-fauna survey.	

- xii. The Project Proponent submitted that the details of the greenbelt/plantation will be submitted along with the EIA report. PP also submitted that the baseline study is being conducted from 1st October 2022 to 31stDecember 2022.
- xiii. The Project Proponent has filed a writ petition No WP/6702/2021 before Hon'ble High Court Jabalpur for direction to Government of Madhya Pradesh to react upon the pending application dated 10.01.2017. The Hon'ble High court passed an order dated 16.02.2022 and disposed the Writ Petition. The Collector, Satna after receiving the Hon'ble High Court order dated 08.04.2022 through the Mineral Resources Department, GoMP Mantralaya, Bhopal, issued a letter dated 28.04.2022 to the Project Proponent for execution of ML after getting Environmental Clearance (EC) from MOEF. In view of the above, Project Proponent submitted a fresh application for grant of Terms of Reference (ToR).
- xiv. The Project Proponent submitted that the human settlements are present inside the ML area and will be disturbed due to the mining activity. There are 208 kutcha houses and 21 pucca houses inside the ML area. The number of identified khasra for the ML area is 1956. Rehabilitation and Resettlement plan shall be prepared as per LAAR 2013 and State Govt. Policy. Social Impact Assessment (SIA) study shall be conducted. Information related to land less labourers dependent on the identified land shall be also obtained during the SIA study. R&R Plan will be prepared as per the provisions of LAAR Act 2013.
- xv. The Project Proponent submitted that the total cost of the project is Rs.220 Crores and about 150 persons will get employment.

3. Observation and Recommendation of the Committee: -

The EAC deliberated on the additional details submitted by the Project Proponent and the Consultant. The Project Proponent informed the EAC that the requirement of Limestone is 3.75 MTPA for captive Cement plant. The Project Proponent also informed the EAC that the State Govt. has already curtailed the area by 118.5 ha (987.53 ha -

118.5 ha = 869.03 ha) to avoid human settlement and statutory barriers (forest, streams and roads) during the grant of mine lease. Then, the State Govt. granted the mine lease area over an area of 869.032 ha and Mining Plan was approved for an area of 869.032 ha and accordingly the proposal for Terms of Reference was submitted over an area of 869.032 ha. Further, the Project Proponent informed the EAC that the further reduction in mine lease area is not tenable.

The Project Proponent informed the EAC that to execute the mine lease deed prior EC is a pre-requisite and the same is clearly mentioned by the District Collector-Satna vide letter dated 28th April 2022, in compliance of Hon'ble High Court Jabalpur dated 16th February 2022. The Project Proponent also informed the EAC that detailed exploration over an area of 291.042 ha of mine lease area (G2 level) and confirmed about 83.906 Million ton of Limestone reserve, which will be sufficient to operate the Clinkerisation unit for 27 years. Detailed exploration for balance area of 577.99 ha (869.032 - 291.042) will be done within 5 years of start of mining as per rules. Further, the Project Proponent briefed about the details of the court case in chronological manner. The EAC asked the Project Proponent whether mine lease area involves the forest land or not. The Project Proponent informed the EAC that no forest land is involved in the mine lease area. The EAC asked the Project Proponent to verify whether the instant mine lease falls area falls under the Greater Panna Landscape or not from the concerned Dept. at the time of appraisal of EC.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC under the provisions of EIA Notification 2006 and its subsequent amendments, the EAC **recommended** the proposal for grant of Terms of Reference (ToR) to M/s Adhunik Corporation Ltd for mining of Limestone in Moharwa Limestone Deposit with proposed production capacity of Limestone of 4.0 MTPA (ROM) along with Crusher with capacity of 1200 TPH in the mine lease area of 869.032 ha, located at Villages Moharwa, Ghotari, Gondin, Patahara, Goraiya, Barkula, Jhanjhware, Tehsil – Maihar, District- Satna, Madhya Pradesh for undertaking detailed EIA/EMP study subject to the following specific conditions in addition to the standard ToR conditions applicable for non-coal mining projects:-

- i. The Project Proponent needs to submit the action plan for year wise backfilling.
- ii. The Project Proponent needs to submit the details of the year wise excavation and plan for the proposed exploration program.
- iii. The Project Proponent needs to submit the Land Use/Land Pattern based on the mineral deposit.

- iv. The Project Proponent needs to verify whether the instant mine lease falls area falls under the Greater Panna Landscape or not from the concerned Dept. at the time of appraisal of EC. Accordingly, the Project Proponent shall prepare the mitigation plan in the EIA report.
- v. The Project Proponent needs to submit the total excavation in tonnes including mineral, overburden, inter-burden, waste, top soil, rejects etc. to be handled and the management of topsoil and waste needs to be properly addressed in EIA/EMP report. The mineable reserves, blocked reserves need to be mentioned along with the life of mine. Waste to be generated during the entire life of mine and details of the location of dumping/backfilling area need to be submitted.
- vi. 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.
- vii. 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.
- viii. The Project Proponent needs to submit the map showing the transport route of the mineral from the mine lease area to the destination, impact of details of habitation at a distance of 100m from the centre on both sides of road, details of no. of trips/day to and fro, capacity of the dumper/tipper to be deployed and the dimensions of the road and the carrying capacity of the road.
- ix. 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.
- x. 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.
- xi. 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.
 - xii. The Project Proponent shall prepare the scheme for mandatory recycle/re-use 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.
 - xiii. The Project Proponent needs to submit the engineering design for construction of retaining wall, garland drains, catch drains and siltation ponds along with the timeline.
 - xiv. The Project Proponent needs to submit the greenbelt/afforestation development plan for undertaking plantation in the periphery of the mine leaseboundary, safety zone etc., The details of the no. of saplings proposed, type of saplings, spacing and the area to be covered including the cost and timeline for completion of plantation needs to be provided in the EIA report.
 - xv. The Project Proponent needs to submit the detailed R&R plan covering all the components viz. number of Project Affected Families (PAF)/Project Displaced Families (PDF) and details of the land owned by them, break up of total compensation to be paid including method of calculation including the sources/references adopted and mode of payment etc. PP need to submit the plan for Socio economic development of the neighbourhood habitats based on the need based survey along with the time bound action plan. PP also needs to submit the possession certificate and timeline for acquiring the land. Further, PP needs to submit the map demarcating the purchased land and non-purchased land if any at the time of appraisal of EC.
 - xvi. The Project Proponent needs to submit employment based skill development plan for the local people , and thrust should be to provide employment to local people after imparting training
 - xvii. The Project Proponent shall conduct drone survey of the mine lease area and buffer area and submit during the appraisal for EC.

1.3 Itoura Limestone mine of M/s. RCCPL Private Limited with production capacity of 0.8 MTPA, Waste/rejection 0.51 MTPA, Topsoil 0.09 MTPA (Total excavation: 1.4 MTPA) in the mine lease area of 747.817 ha located at villages Itoura, Bachwai, KarhiPawai, Giduri, and Rewra, Tehsil Raghurajnagar, Satna District, Madhya Pradesh - [File No: J-11015/16/2019-IA.II(M), Proposal No: IA/MP/MIN/101792/2019; Consultant: M/s Pragathi Labs & Consultants Pvt Limited]- Reconsideration of EC

The instant proposal is for reconsideration of EC of M/s. RCCPL Private Limited for mining of Limestone in Itoura Limestone mine with production capacity of 0.8 MTPA, Waste/Reject: 0.51 MTPA, Topsoil: 0.09 MTPA (Total excavation - 1.4 MTPA) in the mine lease area of 747.817 ha, located at Villages Itoura, Bachwai, Karhi Pawai, Giduri, and Rewra, Tehsil Raghuraj nagar, Satna District, Madhya Pradesh.

2. The details of the project as ascertained from the document 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°34'44.65"N - 24°36'50.87"N and Longitude 80°44'22.98"E - 80°47'45.92"E. The mine lease falls under the Survey of India Toposheet No: G44 U10 and G44 U14 and falls in Seismic Zone-II.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category "A" as the mining lease area is greater than 250ha and appraised at the Central level.
- iii. The proposal was initially considered in the EAC (Non-Coal Mining) meeting held during 30th November - 3rdDecember, 2021 wherein the EAC deferred the proposal for want of requisite information. The Project Proponent vide Letter Ref No: RCCPL/ Itaura_MP/MoEF&CC/05 dated 28th March 2022 submitted the information and accordingly the proposal was reconsidered in the EAC (Non-Coal Mining) meeting held during 19-21 April, 2022 wherein the EAC deferred the proposal for want of requisite information. Then, the Project Proponent vide letter dated 02.06.2022 and 24.06.2022 submitted the information on 07.06.2022 and 27.06.2022 respectively in Parivesh and accordingly the proposal was reconsidered in the 1st EAC (Non-Coal Mining) meeting held during 27 - 29 July, 2022 and the EAC deferred the proposal and was of the view that the proposal may be considered only after the submission of the additional information. Accordingly, the Project Proponent submitted the information on 16.11.2022 in Parivesh and the proposal was again reconsidered in the 7thEAC (Non-Coal Mining) meeting held during 5 - 6 December, 2022. Then, the Project Proponent submitted the information on 06.03.2023 in Parivesh portal. The Ministry on

07.03.2023 informed the Project Proponent that NABET have suspended the sector 1(a) for Mining of Minerals of Consultant, M/s Vimta Labs Limited w.e.f 16.01.2023 for a period of 6 months and hence the Project Proponent is requested to inform regarding the change of EIA Consultant and shall submit an undertaking from the Consultant for owning the contents of EIA report for further consideration before the EAC meeting. The Project Proponent on 11.03.2023 informed the Ministry that M/s Pragathi Labs & Consultants Pvt. Limited has been engaged as EIA consultant. The Consultant vide letter dated 09.03.2023 submitted an undertaking stating that they have gone through the EIA & EMP report of Itoura Limestone mining and also gave undertaking for owning the contents and data provided in the report for presentation. Accordingly, the proposal was again reconsidered in the EAC (Non-Coal Mining) meeting held on 17th April, 2023.

Based on observation of EAC in its EAC meeting held during 5 - 6 December, 2022 and compliance of observation of EAC made by PP are detailed below:

S.No	Observation of EAC	Reply by Project Proponent
1	The EAC asked the Project Proponent to get the Consent from the Gram Sabha/Pradhan	The Project Proponent has submitted the No Objection Certificate from Gram Panchayat Office Karhi Kothar vide Lr.No 2/GP/KP/2023 dated 18.01.2023 stating that any institution or educational institution already established is operating whose shifting and change in its original form is done on the basis of consensus, Gram Panchayat issues No Objection Certificate (NoC).
2	The EAC asked the Project Proponent to revise the timeline for shifting the institution	The Project Proponent vide letter dated 06.03.2023 submitted an undertaking stating that <ol style="list-style-type: none"> a) The existing school/institute is located in Village Karhi Pawai on Survey Numbers 72, 83, 84, 85, 86, 87, 88, 89, 90, 103 & 109 within the ML area. b) Process for shifting of the institute will be completed within 5-7 years from the commencement of mining. c) Meanwhile, mining beyond 500 meter zone from the existing institution will be carried out as

		<p>per the recommendations of technical study to be carried out by the premier institutes like Central Institute of Mining & Fuel Research (CIMFR) and conditions prescribed by DGMS under MMR 1961.</p> <p>d) Approach roads leading to the existing institution will not be disturbed during the course of mining.</p> <p>e) Prescribed safety measures will be adopted to safeguard the students, approach road and the school/institute.</p>
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3. Observation and Recommendation of the Committee: -

The EAC deliberated on the additional details submitted by the Project Proponent and the Consultant. The EAC noted that the Project Proponent has changed the EIA consultant from M/s Vimta Labs Limited to M/s Pragathi Labs & Consultants Pvt. Limited. The EAC observed that the Project Proponent has obtained the No Objection Certificate from Gram Panchayat Office, Karhi Kothar vide letter dated 18.01.2023 for shifting the educational institution. The Project Proponent has informed the EAC that the timeline for shifting the educational institution has been reduced from 12 years to 5 years. The EAC advised the Project Proponent to shift the educational institution within 5 years from the commencement of mining operations. The EAC asked the Project Proponent whether revalidation of one-month baseline data has been collected or not since the Project Proponent has changed the EIA consultant. The Project Proponent informed the EAC that revalidation of one-month baseline data has been collected in the month of March, 2023 (Summer Season). The Project Proponent informed the EAC that the previous consultant collected the baseline data during December, 2018 to February, 2019. The EAC noted that the Project Proponent has not uploaded the revalidation of one-month baseline data and comparison and interpretation of the both season data in Parivesh portal. The EAC asked the Project Proponent to submit the revalidation of one-month baseline data and comparison and interpretation of the both season data in Parivesh portal. The project proponent is also requested to upload the lab report of these data on Parivesh portal. Based on the above discussions held, the EAC **deferred** the proposal.

1.4 Extension in validity of the Environmental Clearance dated 20.11.2014 of M/s Gujarat Sidhee Cement Ltd. for mining of Limestone & Marl in Preshnawada Morasa Limestone Mine for production capacity of 3.23 million TPA (ROM) in the

mine lease area of 253.8542 ha, located at villages Preshnawada & Morasa, Tehsil- Sutrapada, District Junagadh, Gujarat- [F.No:- J-11015/391/2006-IA-II(M), Proposal No: IA/GJ/MIN/292706/2022; Consultant: M/s J.M.EnviroNet Pvt. Ltd] - Extension of validity of Environmental Clearance (EC)

The instant proposal is for extension of validity of EC dated 20.11.2014 of M/s Gujarat Sidhee Cement Ltd. for mining of Limestone & Marl in Preshnawada Morasa Limestone Mine for production capacity of 3.23 million TPA (ROM) in the mine lease area of 253.8542 ha, located at villages Preshnawada & Morasa, Tehsil- Sutrapada, District Junagadh, Gujarat.

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

- i. The Project Proponent obtained Environmental Clearance (EC) vide EC letter dated 20.11.2014 for enhancement in production capacity of Preshnawada Morasa Limestone Mine from 1.7 million TPA to 3.23 million TPA (ROM) of Limestone & Marl in the mine lease area of 253.8542 ha, located at villages Preshnawada & Morasa, Tehsil- Sutrapada, District Junagadh, Gujarat in favour of M/s Gujarat Sidhee Cement Ltd.
- ii. One of the specific conditions stipulated by EAC is that (i) *The environmental clearance is valid for 8.5 years as the life of mine is 8.5 years.* i.e., upto 19.05.2023.
- iii. Now, the Project Proponent has submitted that as per Section 8(A) (5) of the MMD&R Amendment Act-2015, validity of the mine lease period has been extended up to 10.02.2037. PP also reported that presently, updated Mineral (Limestone & Marl) Reserve & Resources is 18.190 million tonnes {Limestone (11.136 million tonnes) & Marl (7.054 million tonnes)}, which will be sufficient for production up to February'2037.
- iv. The Project Proponent has submitted the order granted by the Govt. of Gujarat, Industries and Mines Dept, Lr no. MCR-1583-(C-1-9035-Chh.1 Sachivalaya, Gandhinagar dated 18.10.2017 stating that the State Government has decided to extend the lease period upto 10.02.2037.
- v. The Project Proponent has submitted the Approval of Review and updation of Mining Plan along with Progressive Mine Closure Plan (PMCP) in respect of Prashnawada-Morasa Limestone mine over an area of 253.8542 ha approved by Indian Bureau of Mines (IBM) vide Lr.No: 684(4)(1)/MP-368/2021-22 GNR/2189 dated 23.12.2021 for the period 2022-23 to 2026-27.
- vi. The Project Proponent has submitted the past production and dispatch details of Limestone and Marl certified by the Dept. of Mines and Geology vide Lr.No: No. GG/ML/Figures/3405 Date: 13.10.22 for the period 1986-87 to 2022-23 (upto

August, 2022). The Project Proponent also submitted an affidavit in a non-judicial stamp duty of Rs 300 bearing no: IN-GJ36850682568624U dated 29.09.2022 stating that “the company undertakes by affidavit, that it will comply with all the statutory requirement & judgment of Hon'ble Supreme court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors” and “the Environmental Clearance will not be operational till such time that the company complies with all statutory requirement & judgment of Hon'ble Supreme court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors as applicable”.

- vii. The Project Proponent has submitted the Certified Compliance Report issued by the Integrated Regional Office, Gandhinagar vide File.No: J-11/100-2022-IROGNR dated 14.12.2022 for the EC dated 20.11.2014. Site Inspection was carried out on 24.11.2022.

3. Observation and Recommendation of the Committee: -

The Project Proponent informed the EAC that the instant proposal is for extension in validity of EC dated 20.11.2014. The Project Proponent also informed the EAC that one of the specific conditions stipulated in EC letter dated 20.11.2014 is that (i) *The environmental clearance is valid for 8.5 years as the life of mine is 8.5 years* and the instant EC is valid up to 19.05.2023. The Project Proponent also informed the EAC that there is no scope of change and deviation from the EC dated 20.11.2014. Further, the Project Proponent informed the EAC that the about 6.379 million tonnes of Limestone & Marl was excavated from 20.11.2014 to 30.06.2022 and at present, updated Mineral (Limestone & Marl) Reserve & Resources is 18.190 million tonnes {Limestone (11.136 million tonnes) & Marl (7.054 million tonnes)}, which will be sufficient for production up to February, 2037. The validity of the mine lease period has been extended vide order dated 18.10.2017 for the period up to 10.02.2037.

The EAC asked the Project Proponent whether there is excess production over and above the EC capacity of 3.23 million TPA and whether the instant proposal attracts the common cause judgment dated 02.08.2017 or not. The Project Proponent informed the EAC that there is no excess production against the EC capacity of 3.23 million TPA, however there was an excess production from the base year 1993-94 and the instant proposal attracts the Hon'ble Supreme Court common cause judgment dated 02.08.2017. The Project Proponent has shown the certified past production details from the year 1986-87 to 2022-23 (upto August, 2022) and informed the EAC that the base year 1993-94 production was 11,50,250 Tonnes. The EAC observed that the Project Proponent has exceeded the base year production during the year 1995-96 (12,82,100 Tonnes), 1996-97 (13,14,400 Tonnes), 1997-98 (12,98,800 Tonnes), 2006-07 (13,30,997 Tonnes), 2007-08 (12,00,950 Tonnes), 2008-09 (13,79,753Tonnes), 2009-

10 (13,36,877 Tonnes) and 2011-12 (12,78,432 Tonnes). Thus, the EAC was of the view that the instant case attracts the Hon'ble Supreme Court Judgment dated 02.08.2017 W.P.(C) 114 of 2014 in the matter of Common Cause Vs Union India and Ors and the EAC asked the Ministry to take action against the Project Proponent. The Project Proponent informed the EAC an affidavit dated 29.09.2022 has been submitted to comply with all the statutory requirements and judgment of Hon'ble Supreme court dated the 2nd August 2017.

The EAC asked the Project Proponent whether the instant mine lease involves only Limestone or both Limestone and Marl. The Project Proponent informed the EAC that initially mining lease was granted by the State Govt. during the year 1983 for mining of Limestone. Project Proponent also informed the EAC that the mineral Marl was included by the State Govt. during the year March, 1985 and the word "Limestone" was substituted as "Limestone & Marl". The Project Proponent informed the EAC that in the mine lease extension letter dated 18.10.2017, order dated 12.12.1983 also referred. The Project Proponent also informed the EAC that Marl is a major mineral w.r.t threshold value and the Marl is not included in the list of minor minerals. The EAC member (Indian Bureau of Mines) has confirmed that as on date, Marl is a major mineral.

The EAC asked the Project Proponent to show the Certified Compliance Report. The Project Proponent has shown the Certified Compliance Report issued by the Integrated Regional Office (IRO), Gandhinagar dated 14.12.2022. The Project Proponent has informed the EAC that site inspection was carried out by IRO on 24.11.2022 and shown the point wise compliance of the EC conditions and informed the EAC that no major non-compliances has been observed during site inspection. After detailed deliberations made by the Project Proponent and the Consultant, the EAC under the provisions of EIA Notification, 2006 and its subsequent amendments, the EAC **recommended** the proposal for extension of validity of Environmental Clearance (EC) dated 20.11.2014 of M/s Gujarat Sidhee Cement Ltd. for mining of Limestone & Marl in Preshnawada Morasa Limestone Mine for production capacity of 3.23 million TPA (ROM) in the mine lease area of 253.8542 ha, located at villages Preshnawada & Morasa, Tehsil- Sutrapada, District, Junagadh, Gujarat along with the following additional specific conditions in addition to the standard EC conditions applicable for non-coal mining projects: -

- i. The instant EC shall be issued after submission of amendment in extension of mine lease document from State authorities by mentioning the mineral 'marl' in the document.

- ii. This Environmental Clearance will be valid up to the validity of the mine lease i.e., 10.02.2037.
- iii. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2ndAugust 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- iv. The State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2ndAugust 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- v. The Project Proponent shall submit the demand notices raised by the respective Department of Mining & Geology, proof of payment made against the demand notices and NOC/No dues certificate from the Department of Mining & Geology to the Ministry's Integrated Regional Office (IRO) and then shall commence the mining operation.
- vi. Till the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2ndAugust 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors, the State Pollution Control Board shall not issue the Consent to Operate (CTO).
- vii. The Project Proponent needs to install the fencing along the mining pit adjoining to the village connecting road.
- viii. The Project Proponent shall explore the possibility of using electric/CNG/Solar based equipment's and machineries to reduce the diesel consumption.
- ix. The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by MoEF&CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report.

- x. The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.
- xi. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly.
- xii. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of operation of mine and post mining operations.
- xiii. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Integrated Regional Office.

Additional Agenda:

1.5 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 considered in the 8thEAC (Non-Coal Mining) meeting held during 27-28 December, 2022 and after detailed deliberations made by the Project Proponent and the Consultant, the EAC (Non-Coal Mining) recommended the proposal under the provisions of EIA Notification, 2006 and its subsequent amendments for grant of Environmental Clearance (EC) for mining of Limestone in 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 with certain terms and conditions.

2. One of the specific conditions recommended by the EAC (Non-Coal Mining) was that *“The Ministry may seek comments from the National Tiger Conservation Authority regarding the distance of core and buffer zone of Panna Tiger Reserve from the mine lease boundary as well as any concern about movement of tigers from Panna Tiger Reserve to forests of South Panna Forest Division and then to Bandhavgarh Tiger Reserve”*.

3. The National Tiger Conservation Authority (NTCA) vide Office Memorandum dated 07.02.2023 informed the Ministry that the proposal was evaluated based on information submitted by project proponent on Parivesh portal and tiger and species distribution data available from all India tiger estimation and following observations have been made:

- i. 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.
- ii. The ML area is part of 47,000 km² Greater Panna Landscape delineated by the Wildlife Institute of India (WII) in lieu of submergence of approximately 90 km² core habitat of Panna Tiger Reserve due to implementation of Ken Betwa river interlinking project. The landscape was defined using the administrative boundary of 11 districts of 2 states - Uttar Pradesh and Madhya Pradesh.
- iii. The total mine lease area is 1,793.59 ha, out of which 57.723 ha is Government land and 1,735.867ha is Private Land. The proposal involves no diversion of forest land.
- iv. Panna Tiger Reserve had experienced a rapid decline of its tiger population and became functionally extinct in 2009. Subsequently, a species recovery plan was developed to reinforce/reintroduce tiger population following the IUCN guidelines and the protocol developed by NTCA and WII. Tigers were translocated to Panna from three different source populations within central India between 2009 and 2014. It is noteworthy that tiger number in Panna Tiger Reserve increasing each

year and the Panna landscape (1,941 km²) supports about 36 (range 30-42) tigers as per 2018 cycle of all India tiger estimation. However, the ML area has no presence of tigers recorded in its vicinity during 2006, 2010, 2014 and 2018 cycles of all India tiger estimation.

- v. The eastern corridor delineated by Madhya Pradesh Forest Department covers 1,238.74 km² area of Rewa, Satna, South Panna, West Sidhi and Katni forest divisions. The approximately length of corridor is 398.74 km. It covers 390 compartments out of which 233 are from protected forest and 136 are from reserve forest. The corridor is occasionally frequented by tigers as evidenced from tiger occupancy recorded during 2018 cycle of all India tiger estimation. The corridor follows the Ken River in the first gap between Panna forests and Pawai forests. Then after reaching Pahad (Pawai and Maihar forests) it follows Thamas River in the second gap to reach Kaimur hill ranges. Cement factories, irrigation canal and Allahabad-Jabalpur railway line on eastern side of Pahad and Bansagaron the eastern side of Kaimur ranges further snapped these tenuous links of tiger dispersal.
- vi. 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.
- vii. EAC may like to take cognizance of these ecological information while making decision pertaining to the project.

3. Further, it was informed that in one of the proposal earlier, the NTCA has given their comments w.r.t M/s. Springway Mining Private Limited for Proposed Limestone Mine in the mine lease area of 499.641 ha, located at Village- KolKarhiya, Tehsil Pawai, District- Panna, Madhya Pradesh stating that *the Wildlife Institute of India has not submitted the landscape plan as stipulated by the Standing Committee of National Board of Wildlife for Ken-Betwa River inter-linking project and the landscape is not legally delineated as yet*, whereas in the instant proposal the NTCA vide OM dated 07.02.2023 mentioned that ***the ML area is part of 47,000 km² Greater Panna Landscape delineated by the Wildlife Institute of India (WII) in lieu of submergence of approximately 90 km² core habitat of Panna Tiger Reserve due to implementation of Ken Betwa river interlinking project. The landscape was defined using the administrative boundary of 11 districts of 2 states-Uttar Pradesh and Madhya Pradesh.***

4. In view of the above, the Ministry on 23.02.2023 requested the NTCA to clarify that as on date, the present status of landscape plan in lieu of submergence of approximately 90 km² core habitat of Panna Tiger Reserve due to implementation of Ken Betwa river interlinking project has been legally delineated or not.

5. The NTCA on 14.03.2023 informed that the 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 Village- KolKarhiya, Tehsil Pawai, 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. Final Integrated Landscape Management Plan (ILMP) for Greater Panna Landscape (2022/23-2032/33) prepared by 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).

6. The Ministry has observed that due to ambiguity, whether mining of minerals is prohibited in the area delineated for Greater Panna Landscape. It was decided to reconsider the instant proposal before the EAC (Non-Coal Mining) as NTCA in their letter dated 07.02.2023 has mentioned that '*EAC may like to take cognizance of these ecological information while making decision pertaining to the project*'. 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 vide Ministry's letter dated 3.04.2023 to discuss the instant matter before EAC (non-coal). Accordingly, the proposal was placed in the 13th EAC (Non-Coal Mining) meeting held on 17th April, 2023 for further due deliberations.

7. Observation and Recommendation of the Committee: -

It was observed that the NTCA vide OM dated 07.02.2023 mentioned that *the ML area is part of 47,000 km² Greater Panna Landscape delineated by the Wildlife Institute of India (WII) in lieu of submergence of approximately 90 km² core habitat of Panna Tiger Reserve due to implementation of Ken Betwa river interlinking project. The landscape was defined using the administrative boundary of 11 districts of 2 states-Uttar Pradesh and Madhya Pradesh.* The matter was discussed with 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.

Dr.K. Ramesh, Wildlife Institute of India (WII) informed that Greater Panna Landscape(GPL) is mainly a part of Vindhayan plateaus and distributed over eight districts of Madhya Pradesh (MP) i.e., Sagar, Damoh, Panna, Chhatarpur, Satna, Katni, Rewa, Narsinghpur, and three districts of Uttar Pradesh (UP) i.e., Banda, Chitrakoot, and Lalitpur. Apart from PTR, it includes four Protected Areas (PAs) i.e., Ken Gharial Sanctuary (KGS), Nauradehi Wildlife Sanctuary, Veerangna Durgawati Sanctuary and Ranipur Wildlife Sanctuary, and 13 forest divisions. He also briefed about the location of the Greater Panna Landscape w.r.t. mine lease area. Tiger movements and dispersal is still observed in the area. Further, he informed that this Landscape plan allows to make

decision based on the biodiversity value and level of corridor located. Due to tiger movements, the area is very crucial.

Shri Jha, Field Director Panna, has substantiated the letter issued by the Assistant Director, Panna Tiger Reserve vide letter no. Raa Haa.Sancha./2022/1368, Panna, dated 18.10.2022, the Principal Chief Conservator of Forest & Chief Wildlife Warden vide letter no. V. Pra./Maa. Chi./2022/Mine-109/8116, Bhopal, dated 10.11.2022 and from the PCCF, Bhopal, MP dated 12.12.2022.

Shri Hemant Singh, AIGF, National Tiger Conservation Authority (NTCA) has informed the EAC that in few proposals, NTCA has not given permission for mining. He also informed that the Standing Committee of National Board for Wildlife in its 39th meeting held on 23.08.2016 had recommended 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 Project Proponent also participated in the meeting and briefed about the location of the mine lease area wr.t Greater Panna Landscape and further requested to grant the Environmental Clearance (EC).

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 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. Accordingly, Ministry may delist the proposal as of now.

List of members of Expert Appraisal Committee participated through VC

S.No	Member Name	Member Address	Designation	17 th April, 2023
1	Dr. Dinesh Misra, IFS (Retd.)	Plot No 65, Sector 8, Gandhinagar, Gujarat, 382 008	Chairman	Yes
2	Sh. Niranjan 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	No
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, Professor, 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 Vij Marg Rajinder Nagar, New Delhi - 110060	Member	No
9	Dr. K.G Asha Manjari, Professor, University	10/B, "SPARSHA", 2nd Main, 2 nd Cross, Bhogadillnd Stage,	Member	Yes

Minutes of 13th EAC (Non-Coal Mining) meeting held on 17th April, 2023

	of Mysore	Mysore-570026, Karnataka		
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 Bhavan, Civil Lines, Nagpur - 440001	Member	Yes
13	Shri Niazi Mohammed	Representative of Directorate General of Mines Safety	Member	Yes
14	Shri Hemant Singh Assistant Inspector General of Forests	National Tiger Conservation Authority (NTCA), B-1 Wing, 7th Floor, Paryawaran Bhawan, Lodhi Road, New Delhi 110 003.	Special Invitee	Yes
15	Dr. K. Ramesh, Scientist - F	Wildlife Institute of India, Post Box #18, Chandrabani Dehradun-248001, Uttarakhand	Special Invitee	Yes
16	Shri Jha, Field Director	Panna Tiger Reserve Panna - 488001 Madhya Pradesh	Special Invitee	Yes
17	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira Paryawaran Bhawan, MoEF&CC, Jorbagh, New Delhi- 110003.	Member Secretary	Yes
