

Through – Parivesh Portal

Ref: -PJL/MIN/PCL/2026/24355

May 15, 2026

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To,
Regional Director
Ministry of Environment & Forests and Climate Change
Regional Office, Western Region
Kendriya Paryavaran Bhavan
Link Road No. 3, E - 5, Ravi Shankar Nagar
Bhopal – 462016

Subject: Submission of Six Monthly Compliance report for Environment Clearance – Prism Cement Limestone Mines (66.434 ha), M/s Prism Johnson Ltd. In Village -Mankahri, Tehsil Rampur Baghelan, Dist. Satna (M.P.)

Reference: Environmental Clearance Letter No. J-1 1015/8/2000-IA. II (M), dated 14th Feb 2001.

Dear Sir,

With reference to the above subject and the Environmental Clearance granted vide your letter no. J-11015/8/2000-IA. II (M), dated 14th February 2001, we are pleased to submit the six monthly compliance report for the period October 2025 to March 2026 for the limestone deposit at Village Mankahari, Tehsil Rampur Baghelan, District Satna, Madhya Pradesh.

The compliance report has been prepared as per the stipulated conditions of the environmental clearance. All relevant supporting documents are enclosed herewith for your kind review and consideration.

We trust the report meets the necessary requirements and is in order.

Thank you.

Yours sincerely,
Prism Johnson Limited


Chandra Shekhar Pandit

Sr. General Manager - Mines & Project Proponent

Enclosures: As above

Cc: The Director, MOEF & CC, Delhi
The Member Secretary- MPPCB, Bhopal
The Regional Director -CPCB, Bhopal
The Regional Director -CGWB, Bhopal
The Regional Officer - MPPCB, Satna

PRISM JOHNSON LIMITED
(FORMERLY PRISM CEMENT LIMITED)
(Cement Division - Unit II)

Works: Village Mankahari, P.O.-Bathia, Dist. Satna - 485 111 (M.P.) India T: +91-07672-275301 / 302600
Corres. Add.: 'Rajdeep', Rewa Road, Satna - 485 001 (M.P.) India. T: +91-07672-402726
Registered Office: Prism Johnson Limited, 305, Laxmi Niwas Apartments, Ameerpet, Hyderabad - 500 016, India.
w: www.prismjohnson.in, www.cement.prismjohnson.in, E: info@prismjohnson.in

CIN: L26942TG1992PLC014033

Half -Yearly EC Compliance Report

October-2025 to March-2026

for

Additional Limestone Deposit over 66.434 Hect. area

at

In village Mankahari, Tehsil Rampur Baghelan, dist. Satna (M.P.)

EC letter no. J - 11015 / 8 / 2000 - IA II (M) Dated 14.2.2001

Submitted By



M/s Prism Cement Ltd.

May, 2026

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Point wise compliance stipulated in Environment Clearance is given as under

Compliance Status		
A. Specific Conditions:		
I.	Mining should be carried out 500 m away from the Rewa – Satna railway track.	No mining activities are carried out within 500 m of Rewa – Satna Railway track. Authenticated map showing distance is enclosed as Annexure 1
II.	The topsoil should be stacked properly with adequate measures at earmarked site. It should be used for reclamation and rehabilitation of mined out area.	Topsoil is being used for reclamation and rehabilitation of the mined-out area. No outside stacking is being done.
III.	OB dumps should be stacked at earmarked dump site(s) only on temporary basis. Concurrent back – filling and reclamation should be carried out from the 3 rd year of operations.	As per the approved surface plan, the waste material is being dumped within lease area on the southern side. Till date 2,823,520 cu.m. was backfilled during FY 2024-25- The remaining overburden (OB) has been dumped covering an area of 3.20 hac the dump has already been stabilized. The height of the dump is mentioned at 18 m, with an overall slope of 27.5 degree in accordance with the approved mining plan Approved mining plan is attached as Annexure 1 B
IV.	A green belt of adequate width by planting the native plant species all around the ML area, roads, OB dump sites etc. should be raised in consultation with local DFO / Agriculture Department.	A greenbelt of adequate width (7.5 m) is being developed around the project area as per the approved environmental management plan. Year-wise details of plantation activities carried out so far are provided in Annexure 2A . A rose garden (0.08 hac.) has been developed within the residential colony, details of which are enclosed as Annexure 2B . Additionally, a nursery (1.30 hac.) has been established for raising various types of saplings to support ongoing and future plantation activities. Photographs are enclosed as Annexure 2C .
V.	Drill should be operated with dust extractors or only wet drilling should be adopted.	A drill machine (Model: IBH 10, Make: Atlas Copco) is currently in operation at the site. The machine is equipped with a water sprinkler system, which effectively suppresses dust generated during drilling activities, thereby preventing its dispersion into the atmosphere. Photographs of the water sprinkler system installed on the drilling machine are enclosed as Annexure 3
VI.	Controlled blasting should be carried out.	Controlled blasting is being practiced.
VII.	Check dam and siltation ponds of appropriate size should be constructed to arrest silt and sediments flow from OB and mineral dumps. The water so collected should be utilized for watering mine area, roads, greenbelt, etc. The drains should be regularly desilted and maintained properly.	Check dam (1) and siltation pond (02) have been constructed in the periphery of the mine lease area to control silt runoff and facilitate rain water harvesting As per records, an expenditure of Rs 45.56 lakh was incurred towards construction and Rs 4.80 lakh towards maintenance during FY 2024-25 Photographs of the siltation ponds and Garland Drain are enclosed as Annexure 4 . The Garland Drain has a bottom raft width of 2.9 m, outer width of 2.9 m, wall thickness of 0.45 m, inner width of 2.0 m, and depth of 1.5 m, with a total length of 525 m, comprising 245 m of stone pitching and 280 m of concrete construction.

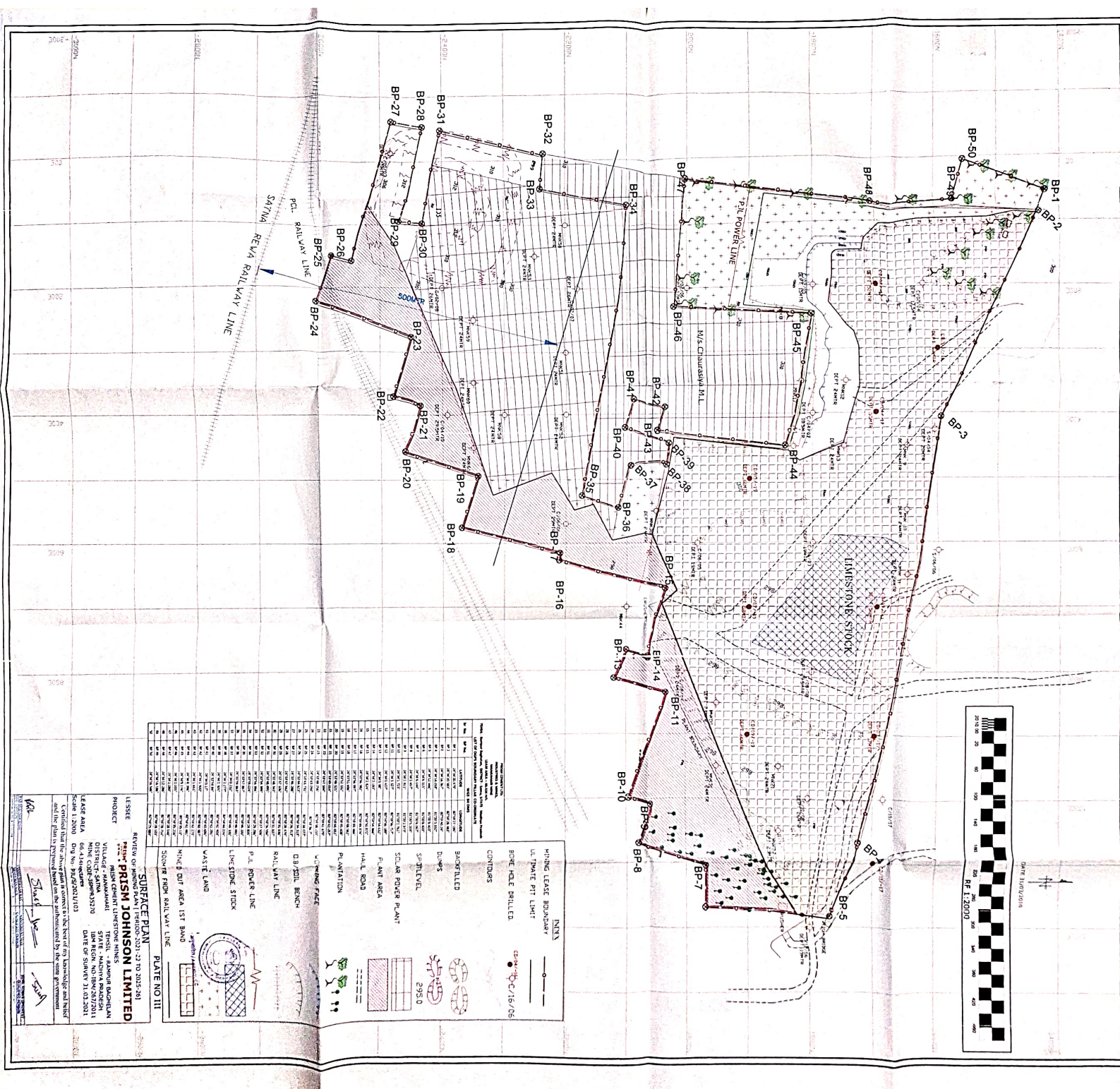
(VIII)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring should be done four times a year- pre- monsoon April / May, Monsoon (August), Post-monsoon (November) and winter (January). Data thus collected should be sent at regular intervals to MoEF.	Regular groundwater level and quality monitoring is being carried out through piezometers installed in and around the mining lease area. Monitoring is conducted as per the prescribed frequency and parameters. All monitoring results are compiled and submitted periodically to the MoEF&CC, SPCB, and other concerned regulatory authorities, as required. Groundwater level monitoring data are enclosed as Annexure 5A , and groundwater quality monitoring results are enclosed as Annexure 5B .
IX	Crusher should be installed and operated with adequate capacity de-dusting arrangement	Crushers have been installed with adequate capacities of de-dusting arrangements like bag filters, continuous water sprinkling arrangement at the crusher hoppers has also been provided to suppress dust generated during the unloading of minerals in the crusher hopper. Photograph are enclosed Annexure 6 .
X.	A detailed mine decommissioning plan should be submitted to MoEF 5 year in advance for approval	The industry agreed to submit decommissioning/mine closure plan as stipulated period of 5 year in advance

Compliance Status		
B. General conditions		
I.	No change on mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	There is no change in mining technology or scope of work from that mentioned in the approved Mining Plan and the Environmental Clearance (EC). Any future modification, if proposed, will be undertaken only after obtaining prior approval from the Ministry of Environment, Forest and Climate Change (MoEF&CC).
II.	No change in the calendar plan including excavation, quantum of limestone, waste / OB dumps should be made.	There is no change in the approved calendar plan, including excavation, quantum of limestone, and management of waste/OB dumps. All mining operations are being carried out strictly as per the approved Mining Plan and the Environmental Clearance (EC) conditions. Approved mining plan is enclosed as annexure 1B
III.	Four ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO ₂ , NO _x and CO monitoring. Location of the ambient air quality stations should be decided based on the meteorological data, topographical features and environmentally sensitive targets in consultation with the State Pollution Control Board.	Four Ambient air quality (AAQ) monitoring stations have been established in the core and buffer zones to monitor SPM, RPM, SO ₂ , NO _x , and CO. Photographs are attached as Annexure 7
IV.	Data of ambient air quality should be regularly submitted to the Ministry including its Regional Office at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	The data on ambient air quality is being submitted to the Ministry, including its Regional Office at Bhopal, as well as to the State Pollution Control Board and the Central Pollution Control Board once every six months. The reports of ambient air quality monitoring for October 2025 – March 2026 are enclosed as Annexure 8 .
V.	Adequate measures for control of fugitive emissions should be taken during drilling and blasting operations, loading and transportation of minerals etc.	The drill machine is operated with an in-built dust extractor, which captures dust generated during drilling operations. Water sprinkling is carried out on the blasted muck after blasting to minimize dust generation during

		loading. In addition, continuous water spraying is carried out on the haul roads to suppress dust during transportation. Fugitive emission report are enclosed as Annexure 9
VI.	Adequate measures should be taken for control of noise levels below 85 dB in the work environment.	Adequate measures are being implemented to ensure that noise levels in the work environment are maintained below 85 dB. These measures include regular maintenance of machinery, use of silencers, provision of personal protective equipment (PPE) like earplugs/earmuffs, and monitoring of noise levels at various operational points. Ambient Noise level monitoring report are enclosed as Annexure 10 .
VII.	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposures to dust and take corrective measures, if needed.	Being Complied Personnel working in dust-prone areas are provided with protective respiratory devices to prevent inhalation of dust. Workers are also given adequate training and information on safety and health aspects related to their work environment. A periodic occupational health surveillance programme is being conducted for all workers to monitor any health effects due to dust exposure, and corrective measures are taken as required to ensure worker safety and well-being. Training photographs are enclosed as Annexure 11 A , and occupational health surveillance report are enclosed as Annexure 11 B .
(VIII)	The funds earmarked for environmental protection measures should be kept in separate account and not diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment & Forests.	The funds earmarked for environmental protection measures are maintained in a separate account and are not diverted for any other purpose. Year-wise expenditure on environmental management and protection measures is compiled and reported to the Ministry of Environment, Forest and Climate Change (MoEF&CC) as required. EMP Year-wise expenditure is enclosed as Annexure 12 .
IX	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated environmental safeguards. The project authority should send one set of EIA / EMP Report and Mining Plan to them and extend full co – operation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring report.	Photocopies of Rapid EIA – EMP Report and Mining Plan have already been sent. Co-operation is being extended to the inspecting Officials.
X.	The Project authority should inform to the Regional Office located at Bhopal as well as to the Ministry of Environment & Forests regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	The Project Authority ensures that the Regional Office of MoEF&CC at Bhopal, as well as the Ministry of Environment, Forest and Climate Change, will informed regarding the date of financial closure, final approval of the project by the concerned authorities.
XI.	A copy of the clearance letter will be marked to concerned Panchayat / Local NGO, if any, from whom any suggestion / representation has been received while processing the proposal.	A copy of the Environmental Clearance (EC) letter, shared with the Gram Panchayat, is enclosed as Annexure 13 .
XII.	State Pollution Control Board should display	Complied

	a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office / Tehsildar's Office for 30 days.	
XIII.	The Project authority should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and the copy of the clearance letter is available with the state Pollution Control Board and may also be seen at the web site of the Ministry of Environment and Forests at http://envfor.nic.in	The advertisement was published in two of the local newspapers viz. 'Dainik Bhaskar' and 'Naw Swadesh' which was earlier informed vide our letter no. MIN / 104 / 5820A dated 27.3.2002.

Annexure 1: Map showing distance between railway station and mine



By e-mail

**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE REGIONAL CONTROLLER OF MINES, JABALPUR**

**No. MCDR-MPC0LST/26/2025-JBP-
IBM_RO_JBP/ROMP-19-2025-26**

Dt : 13/10/2025

Shri/M/s. PRISM JOHNSON LIMITED ,
305, LAXMI NIWAS APARTMENTS AMEERPET HYDERABAD

Sub Approval of Review of Mining Plan in respect of your Mining Lease Area for Limestone over an area of 66.434 Ha. situated in
: Mankahari Village, Rampur Baghelan Taluka, Satna District of Madhya Pradesh State.

Ref : (i) Your Letter No. NIL dated 04/09/2025 submitting Draft copy of Review of Mining Plan in respect of aforesaid applied M.L.Area.
(ii) This office letter of even no. dated 22/09/2025.
(iii) Your Letter No. NIL dated 09/10/2025 submitting final Digital copy of Review of Mining Plan in respect of aforesaid applied ML area.

Sirs,

In exercise of the powers conferred by clause (b) of sub-section (2) of section 5 of the Mines & Minerals (Development & Regulation) Act, 1957 read with Government of India Order No.S.O.445(E) dated 28.04.1987 and S.O. 1857(E) dated 18th May, 2016; I hereby **approve** the above said Review of Mining Plan alongwith Progressive Mine Closure Plan (PMCP). This approval is subject to the following conditions:

A. General Conditions:

1. That the Review of Mining Plan is approved without prejudice to any other laws applicable to the mine / area from time to time whether made by the Central Government, State Government or any other authority.
2. That this approval of the Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provisions of the Mines & Minerals (Development & Regulation) Act, 1957 or the Mineral Concession Rules, 1960 or any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 and the rules made there under.
3. That the Review of Mining Plan is approved without prejudice to any other order or direction from any court of competent jurisdiction.
4. The provisions of the Mines Act, 1952 and Rules and Regulations made thereunder including submission of notices of opening, appointment of manager and other statutory officials as required by the Mines Act, 1952 shall be complied with.
5. If anything is found to be concealed as required by the Mines Act in the contents of the mining plan and the proposal for rectification has not been made, the approval shall be deemed to have been withdrawn with immediate effect.
6. The execution of Review of mining plan shall be subjected to vacations of prohibitory orders / notices, if any.
7. A copy of EIA/EMP Report approved by MOEF, New Delhi should be submitted to this office within one month of its approval alongwith a copy of their approval letter.
8. This approval for proposed mining operation and associated activities is restricted to the mining lease area only from this date. The mining lease area is as shown on the statutory plans by the Lessee/QP/Applicant and Indian Bureau of Mines has not undertaken any survey verification of mining lease boundary on the ground.
9. Your attention is invited to the Supreme Court interim order in W.P. (C) No. 202 dated 12.12.1996 for compliance. The approval of above said Mining Plan is therefore, issued without prejudice to and is subject to the said directions of the Supreme Court as applicable.
10. The details of grant / execution of the lease by State Government, whenever such an order is passed may be intimated to this office.
11. This department does not undertake any responsibility regarding correctness of the boundaries of the lease area shown on the ground.
12. At any stage, if it is observed that the information furnished in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
13. ^^The approval of Review of Mining Plan is subject to the compliance of CCOM's Circular No. 2/2010 regarding submission of Geo-referenced Cadastral Map showing disposition of the lease area certified by competent authority of State Government within 6 months from the date of recognition of the agency by the State Government to undertake such survey or from the date of lease execution whichever is earlier. (^^ If applicable)
14. Next Review of Mining Plan shall become due before the expiry of 180 from the date of expiry of current Review of Mining Plan.

B. Special Conditions:

1. The lessee to keep a separate record of sale of mineral, if any, from the lease and will report such sale in the monthly &

- annual returns to be submitted under the Mineral Conservation & Development Rules, 2017.
2. An Environmental monitoring cell should be constituted to carry out regular monitoring of environmental parameters (Air, Water & Noise level) and quarterly report of Environmental monitoring should be submitted to the Regional Controller of Mines, Indian Bureau of Mines, Jabalpur. Further, daily monitoring report should be displayed on display board near mine/mine office.
 3. The approval is given for the received proposals as applicable from this date for the mining activities to be carried out within the lease area. The earlier instances of irregular mining/ illegal mining, if any, shall not be regularized through the approval of this document.
 4. It shall be mandatory for the project proponent, abstracting ground water, to obtain NO Objection Certificate from Central Ground Water Authority or, the concerned State/Union Territory Ground Water Authority, as the case may be.
 5. That the yearly report in the prescribed format indicating the extent of protective and rehabilitative works carried out as envisaged in the Review of Mining Plans with prograssive Mine closure Plan required under Rule 26(2) of Mineral Conservation and Development Rules, 2017 shall be submitted before 1st of July of every year to the Regional office, Indian Bureau of Mines, Jabalpur.
 6. If any technical comments received by state Govt to modify the approved mining plan the lessee/PB will have to modify the MP as per the comments of state govt in future.
 7. The Prefeasibility Report considered for reserve/resource estimation as per UNFC is submitted by the preferred bidder which is prepared based on current data as reported and it may not establish the future economic viability of mining project, which may be affected by the market dynamics and other related factors

Yours faithfully,

Encl: 01 copy of Digital Mining Plan

MCDR-MPC0LST/26/2025-JBP-IBM_RO_JBP/ROMP-19-2025-26

(Salil sandip kujur)

Regional Controller of Mines

Copy forwarded for information to Shri **Santosh kumar** Qualified Person

(Salil Sandip kujur)

Regional Controller of Mines

Not on first two copies:

Copy forwarded for kind information to:

- 1) The Director, Department of Mines & Geology, Government of Madhya Pradesh.
- 2) The Controller of Mines (CZ), Indian Bureau of Mines, Nagpur.
- 3) The Director of Mines Safety, D.G.M.S, Jabalpur.

(Salil Sandip kujur)

Regional Controller of Mines

Chapter 1 : General Information

1.1 : Lease Details

IBM Registration Number :	IBM/267/2011
Lease Code :	46401201
Mine Code :	38MPR35270
Name of Lessee :	PRISM JOHNSON LIMITED
Address of Lessee :	305, LAXMI NIWAS APARTMENTS AMEERPET HYDERABAD
Type of Lessee :	Private
Name of Mining Lease :	PRISM CEMENT 66.434HA
State :	MADHYA PRADESH
District :	SATNA
Tehsil/ Taluk/ Mandal :	Rampur Baghelan
Village :	Mankahari
Lease Area (Ha) :	66.434
Forest Area (Ha) :	0.0000
Name of Minerals :	LIMESTONE
Name of associated minerals :	

Type :	Existing Lease
Period of the proposal (FY) from :	2026 - 27
Period of the proposal (FY) to :	2030 - 31
Type of working :	Opencast
Nature of Use :	Captive
Category of Mine :	Category A

1.1.1 : Initial/subsequent Lease grant details

Grant	From	To	Lease deed execution date	Lease registration date
Initial Grant	29/11/2001	28/11/2021	27/11/2001	29/11/2001
50 Years Extension	13/11/2001	12/11/2051	07/04/2021	07/04/2021

1.1.2 : Mining Plan Submission Criteria Details

Type of Document :	Review Of Mining Plan Under Rule 17(2) Of MCR, 2016
Reason/s For Modification :	As Per Sub-rule (1) Of Rule 17 Of The Minerals (Other Than Atomic And Hydrocarbons Energy Minerals) Concession Rules, 2016, The Lessee Shall Submit To The IBM A Mining Plan, Prepared In Accordance With Rule 15, At Least 180 Days Before The Expiry Of Each Five-year Period, For The Operations Of The Subsequent Five Years.
Period for which modification is proposed :	2026-2027 to 2030-2031

1.2 : Land Ownership Details

View Land Ownership Details Excel	Land_Ownership_Details_PCL66.xlsx
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1.3 : Existing Lease

Date of Execution :	27/11/2001
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1.3.1 : Approval of earlier Mining Plan & Its Subsequent Review in Chronological Order

S.N.	Letter Number	Date	Period		Type Of Approved Document	Remark
			From	To		
1	314/(3)99-MCCM(CZ) MP-02	25/06/1999	27/11/2001	31/03/2006	Mining Plan	Mining Plan
2	314 (3)/99-MCCM(C)/MP- 2 dated 28.12.2001	28/12/2001	28/12/2001	31/03/2006	Modification Of Mining Plan	Modificaiton of Mining
3	314(3)/2005-MCCM(C) /MP-S-27	05/05/2005	05/05/2005	31/03/2011	Scheme Of Mining	Scheme of Mining
4	314 (3)/2010-MCCM(C)/S- 43	31/05/2011	31/05/2011	31/03/2016	Scheme Of Mining	Scheme of Mining
5	MP / Satna / Limestone / M.Sch.-15 / 16-17 / 2804	01/12/2016	01/12/2016	31/03/2021	Scheme Of Mining	Scheme of Mining
6	MP/Satna/Limestone/R MP-68/2020-21	07/07/2021	07/07/2021	31/03/2026	Review Of Mining Plan	Review of Mining Plan

1.3.2 : Partial Surrenderd Area During Stages of Operations in Chronological Order

Not Applicable

1.3.3 : Transfer of Lease Area Subsequent to Grant

Not Applicable

1.3.4 : Statutory Compliances

1.3.4.1 : Environment Clearance

Applicable :	Yes
Letter No :	F.No. J-1105/8/2000-IA-II (M)
Date :	14/02/2001
Validity :	12/11/2051
ROM Mineral :	300000.0000 (Tonnes)

1.3.4.2 : SPCB Approvals

Letter No :	No:121347,23/09/2024
Approval of :	Consent To Operate
Date :	23/09/2024
Validity :	31/01/2026
ROM Mineral :	300000.0000 (Tonnes)

1.3.4.3 : Forest Clearance

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Applicable :	No
Letter No :	Nil
Date :	Nil
Validity :	Nil
Area (Ha) :	Nil

1.3.4.4 : Land Acquisition Details

Total Area Acquired in hectare:	66.4340
Total Amount Paid (INR) :	32300000.0000

1.3.5 : Mine Location Details

Toposheet Number :	G44U14 & G44V2
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1.3.5.1 : Location of Boundary Pillars

View Location of Boundary Pillars Excel	location_boundary_pillar_PCL66.xlsx
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1.3.6 : Owner/Nominated Owner Details

Name	PAN of owner / Nominated Owner	Address of owner/ Nominated Owner	Mobile / Contact Number	Email	Please attach Minutes of Board Resolution in case of Nominated Owner
Shri Raakesh Jain	ACOPJ9246R	Flat No 205 KALPATARU IMPERIA SANJOG CHS PHIROZSHAH MEHTA ROAD SANTAXRUZ WEST	7880903888	raakesh.jain@prismjohnson.in	Annexure03.pdf

		MUMBAI			
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1.3.7 : Qualified Person Details as per M(OAHCEM)CR, 2016

S.N.	Prefix	Name	PAN of QP	Address	Mobile no.	Qualification	Exp in years as prescribed under the rule	Email
1	Mr	Santosh Kumar	BDGPK4563C	M/s Prism Johnson Ltd. Rajdeep, Rewa Road, Satna (M.P.) 485001	9589850577	M Tech Applied Geology	18	santosh.kumar@prismjohnson.in
2	Mr	Amit Biswas	ANZPB9923B	M/s Prism Johnson Ltd. Rajdeep, Rewa Road, Satna (M.P.) 485001	9584113522	M Sc In Geology	18	amit.biswas@prismjohnson.in

Chapter 2A : Geology & Exploration

2A.1 : Geology

2A.1.1 : Topography

Terrain :	Plain
Highest Level (m) from MSL :	319.0000
Lowest Level (m) from MSL :	244.0000
Average Level (m) from MSL :	295.0000
Drainage Pattern :	Dendritic
Order of Stream :	Order 3
Min Dist of Stream from Lease Area(m) :	1671.0000

2A.1.2 : Details of Physiographic features and Infrastructures available in and around the lease/ block area

Description	Location if existing Within the lease/block area	Distance from boundary periphery in kms, if existing outside the lease/block area. (within 5.00Kms)	Remark if any
River/Nallah/Reservoir	No water body located within the lease area	The lease area lies 1.6 km away from the Tamas River.	Nil
Public roads (Tar road, cart road)	There are no public roads inside the lease area.	The distance of lease area from Bamhori Janardanpur Road is 1.7 km	Nil
Railway track	A railway track has been constructed within the lease area for use by our Company.	The lease area is located 83 meters from the SatnaRewa railway line.	An area of 500 m from Satna-rewa railway line has restricted for mining.
Human settlements	There are no human settlements within the lease area	Bamhauri village:-2.24Km, Hinauti village:-1.2Km, Sijhata village: 2Km, Chulhi	Nil

		village: 5.90Km, Mendhi village:- 3.59Km, Baghai village: 5.23Km, Bandarkha village: 2.03Km, Jhanjhar- 4.38Km & Majhiyar village:- 3.99Km.	
Archaeological monuments/ places of worships/public utilities etc	Archaeological monuments / places of worship / public utilities are not available within the lease area.	Archaeological monuments / places of worship / public utilities are not available outside the lease/block area. (within 5.00Kms).	Nil
Wild life sanctuaries/ national parks	Wild life sanctuaries/ national parks are not available within the lease area.	Wild life sanctuaries/ national parks are not available within 5.00Kms from lease area.	Nil
Coastal Regulation Zone (CRZ)	Coastal Regulation Zone (CRZ) is not available within the lease area.	Coastal Regulation Zone (CRZ) are not available within 5.00Kms from lease area.	Nil
Powertransmision lines/telephone lines	Power transmission lines/telephone lines is not available within the lease area.	NA	Nil
Firing range	Firing range is not available within the lease area.	Firing range is not available outside the lease/block area. (within 5.00Kms)	Nil
Ordinance factory	Ordinance factory is not available within the lease area	Ordinance factory is not available outside the lease/block area. (within 5.00Kms)	Nil
grazing land/ burial ground or cremation ground	Grazing land/ burial ground or cremation ground are not available within the lease area.	NA	Nil
Any other specify	Nil	Nil	Nil

Particulars	Distance from lease boundary in kms
Near by village	Mankahari
Nearest Railway station	Baghai Railway Station-7Km.
Nearest Port	N/A
Distance of SH/NH from lease area	3.70 Km form State highway

2A.1.3 : Regional Geology

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Regional Geology
The rock types of the region, District- Satna range in age from Archaean to Cainozoic. The Archaean rocks comprise of granites & gneisses and are exposed only in northern part of the district. The rocks of Vindhyan Supergroup comprise Semri, Kaimur, Rewa & Bhandar groups. The Semri Group of rocks are represented by an alternating sequence of Sandstone and shale along with porcellanite and limestone. The Semri Group of rocks mainly exposed in the southern and northern part of the district. The Rohtas Limestone is light to grey in colour, fine grained compact and well bedded. The Kaimur Group comprising mainly sandstone which is fine grained, massive and thickly bedded is exposed in the northern and southern part. The Rewa Group of rocks comprises mainly of sandstone, shale and conglomerate. The Bhandar Group of rocks exposed as a broad band and comprises mainly shale, Nagod limestone and upper Bhandar sandstone and Nagod limestone is fine grained, hard, compact thinly bedded to massive with some stromatolitic bands. The upper Bhandar Sandstone forms the cliffs of the Bhandar plateau is composed of purple to reddish brown, fine to medium grained, flaggy to massive and well sorted sandstone interbedded and splintery shale and siltstone. Lameta Formation comprising sandstone and shale range in thickness from 15-80m and occurs forms as clusters on the hillocks of upper Rewa Sandstone. Laterite occur as capping on the Bhandar Group of rocks and on the upper Rewa Sandstone. It has a maximum thickness of 60m.

2A.1.4 : Local Geology & Structure

2A.1.4.1 : Local Geological Set-up
Detailed geological prospecting was undertaken by the GEM Division of ACC to establish the geological structure and lithological assemblage of the lease area. Exploration included core drilling of 25 DTH boreholes of 24 m depth and 11 boreholes of 24 m depth, which confirmed the presence of limestone deposits under UNFC Category G-1. These boreholes were adequate to prove the first limestone band, identified as Upper Grey Limestone (UGL). Subsequently, during 2016-17 to 2022-23, deeper boreholes were drilled, leading to the discovery of a second limestone band that was partially explored and its reserves assessed in the previous review of the mining plan. Further drilling of 16 boreholes during the mining plan period 2021-22 to 2025-26 confirmed the continuity of this second band, Grey Limestone (LGL), thereby establishing the entire lease area up to the second band under UNFC Category G-1. The limestone deposits of Mankahari lease area belong to the Bhandar Series, and subsurface data indicate the following lithological succession: Overburden Soil, Buff Magnesian Limestone (Dolomitic), Upper Grey Limestone (UGL), Middle Shale (MSH), Grey/Purple Nodular Shale (NDS), Grey Limestone (LGL II Band), High Magnesian Limestone (MGL), and Shale. This stratigraphic sequence confirms the presence of two distinct limestone bands of economic significance, UGL and LGL, both adequately explored and categorized as G-1 for resource and reserve estimation.

2A.1.4.2 : Structure
The uniform horizontal nature of the sedimentary sequence in the area under study indicates that no major tectonic disturbance has occurred in the area. Slope and strike data of Bhandar Limestone have been recorded from outcrop as well as quarry/quarry sections. The strike of the deposit is N85E - S85W and slope varies from horizontal (0) to 5 degrees from south to south-east. To study the basin configuration with respect to deposition of limestone beds, a bed contour plan has been prepared on a scale of 1:5000 (Plate No. IV. The Bhandar (Nagod) limestone (cement grade Zone-II) beds are considered to form bed contours at 2 m intervals. As established near the lease area, the strike is northeast-south-west which becomes almost east-west at Mankahari. Surface and subsurface data have been incorporated to finalise the structure of the lease. Among the primary sedimentary structures, bedding beds and folds are very common within the shale-sandstone unit but are not as prominent in the limestone. The secondary structures observed in the area are joints and stylolites. The limestone layers are bounded by two sets of joints which are parallel to their strike and dip directions. A distinct and signature horizon of shale with a soft sedimentary deformation structure resembling a small scale flame structure is observed in the drill core. This deposit is found in the gradational interaction between limestone and Ganurgarh shale.

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2A.1.4.3 : Lithology, Petrographic & Mineralogical Description for Major, Associated & Indicator Minerals

Exploration and core logging have revealed a well-defined lithological sequence within the lease area. The principal litho-units, their thickness ranges, and characteristic features are as follows:
Overburden Soil (4-6 m): Predominantly loose to compact reddish-brown to yellowish soil with minor calcareous content, acting as surface cover with no economic mineral value. Buff Magnesian Limestone (Dolomite) (2-6 m): Fine- to medium-grained, buff-colored dolomitic limestone, moderately hard and compact. Composed mainly of calcite and dolomite with minor siliceous impurities, this unit serves as a marker horizon above the economic limestone bands. Upper Grey Limestone (UGL) (10-12 m): Hard, compact, medium- to fine-grained grey limestone with uniform texture, high CaO, and low MgO. Petrographically dominated by calcite with minor quartz and clay inclusions, it represents the first significant economic limestone band. Medium Shale (MSH) (20-27 m): Soft to moderately hard, grey to dark-grey laminated shale. Composed of clay minerals (illite, montmorillonite), fine quartz, and carbonaceous matter, it forms a parting between UGL and the underlying nodular shale. Grey/Purple Nodular Shale (NDS) (2-6 m): Variegated, nodular shale ranging from grey to purple, dominantly argillaceous with iron oxide stains, and minor quartz and feldspar. Lower Grey Limestone (LGL II Band) (12-16 m): Compact, medium-grained grey limestone with high CaO values. Composed mainly of calcite with minor dolomite and occasional chert nodules, this unit forms the second economic limestone band. High Magnesian Limestone (MGL) with Shale Intercalations (1-5 m): Hard, compact limestone enriched in MgO, interbedded with thin shale partings. Mineralogically, it consists of calcite, dolomite, and minor quartz.

2A.1.4.4 : Mode of Occurance & Controls of Mineralization

Limestone, forming the most important calcareous facies of the Bhandar Group, is considered to be of tidal flat origin. The existing rocks in the lease area are formed by sedimentation processes which is belonging to the upper Bhandar group. In the Upper Vindhyan, the Bhandar Group carbonates overlay the Ganurgarh Shale Formation. The carbonate units are referred as Nagod/Bhandar Limestone in the central and eastern Vindhyan. Sedimentation in the central and eastern sector culminated with deposition of Upper Bhandar Sandstone. The criteria used in the reconstruction of palaeo environments and the depositional environments are; important sedimentary structures, bed characteristics, algal stromatolites of different morphological types and petrographic characters of limestones. The frequency of mudcracks in certain limestone units is very characteristic. Their presence and distribution would suggest a supratidal to intertidal environment for some of the limestone. The presence of the algal stromatolites ranging from simple laminated to arch-shaped, unmistakably favour a shallow subtidal to intertidal and supratidal origin.

2A.1.4.5 : Extent of Weathering/ Alteration

Limestone is a chemically or biochemically precipitated sedimentary rock. Calcite and dolomite are its main mineral constituents. The limestone deposited within the area granted under the mining lease is fine-grained and ranges in color from light to dark grey. It becomes pinkish and brownish at contact with the underlying shale formation. The strike of these formations ranges from NNESSW to NE-SW, with a dip from almost flat to 3° due south. They are well-bedded, compact, and commonly associated with shale in the form of intercalation. The phenomenon of elephant skin weathering is very prominent in the investigated area. The formations are also traversed by thin veins of white to milky calcite and quartz. Stromatolitic limestone has also been observed in some places. During chemical weathering, the amounts of magnesium (Mg) and strontium (Sr) decrease as these components are leached out of limestone and dolomite. The amount of insoluble residue is usually higher in weathered limestone, although in some cases, it may also be high in fresh limestone, which is not very common but may occur and be identified as sedimentary structures in the area. The transition from one formation to another can be either abrupt or gradational. In the area, the limestone formation is represented by a sequence of limestone of different colors and bedding characteristics. The limestone in the area is generally fine to medium-grained, thinly laminated to thickly bedded. Massive types, devoid of perceptible bedding, are also common. Based on the presence or absence of organo-sedimentary structures like stromatolites, the limestone of the area can be classified into two major varieties. One type is completely devoid of stromatolites, whereas the other type is characterized by various forms of stromatolites. The non-stromatolitic limestone is thinly to thickly bedded. Ripple marks, mud cracks, and occasional cross-lamination are also observed.

Lump

2A.1.4.6 : Nature/Form of Mineral	
Specify If any other	N/A

2A.1.4.7 : Extent of Mineralization
The limestones in the mining lease area are generally fine to medium-grained, ranging from thinly laminated to coarsely laminated. Massive types, without any apparent laminations, are also common. Based on the presence or absence of organo-sedimentary structures like stromatolites, the limestones can be classified into two major varieties. One type is completely devoid of stromatolites, while the other is characterized by various forms of stromatolites. The limestone is distributed throughout the lease area in two main layers. The first band of limestone lies beneath approximately 4 to 14 meters of overburden, followed by a second layer of limestone, 12 to 14 meters thick, with an interburden of about 22 to 30 meters between the two layers.

2A.1.4.8 : Deposit Type (as per MEMC Rule)
According to the Minerals (Evidence Of Mineral Contents) Rules, 2015, the boreholes drilled in 200x200 m grid pattern is sufficient to establish the flat tabular & stratiform limestone deposit of regular habit under UNFC reserve category (111).

Strike / Trend of the Ore Body
N85E to S85W

Amount of Dip of the Ore Body (degree)	Amount of Dip of the Ore Body (degree)
0	3
(from)	(to)

Dip Direction of the Ore Body	Plunge of Mineral Body (degree) (if any)	Direction of Plunge
S5W	0	W0W

2A.2: Exploration

2A.2.1: Summary of The Previous Exploration (for fresh grant) / During Last Plan Period (for existing leases)

Name of The Agency

M/s Prism Johnson Limited, Mineral Resource Department, Village:- Mankahari, Post:- Bathia, Tehsil: Rampur Baghelan, District:- Satna, Madhya Pradesh

2A.2.1.1: Geological Mapping

SI.No.	Year		Scale	Area Covered (Ha)
	From	To		
1	01/04/2024	01/08/2025	1:2000	66.4340

2A.2.1.2: Airborne Geophysical Survey

SI.No.	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					Form	To	Form	To
1	Nil	0	0.00	0.0000	Nil	Nil	Nil	Nil

2A.2.1.3: Ground Geophysical Survey

SI.No.	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					Form	To	Form	To
1	Nil	0	0	0.0000	Nil	Nil	Nil	Nil

2A.2.1.4: Geochemical Survey

SI.No.	Type of Sample	No of Samples	Aanlysis report	Area Covered (Ha)
1	Nil	0	Nil	Nil

2A.2.1.5: Pitting

Number of Pits
0

SI.No.	Year		Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Depth (from)	Depth(to)	Running mtr	Litho units exposed	Name of the radical	Av Grade(in %)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
	From	To											From	To	From	To
1	Nil	Nil	NA	0.00	0.00	0.00	0.00	0.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

2A.2.1.6: Trenching

Number of Trenches															
0															

2A.2.1.6.1: Spacing

Min (m)						Max (m)						Avg (m)			
0.00						0.00						0.00			

SI.No.	Year		Trench ID	Length of Trench (m)	Width of Trench (m)	Depth of Trench(m)	Depth (from)	Depth(to)	Running mtr	Litho units exposed	Name of the radical	Av. Grade	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
	From	To											From	To	From	To
1	Nil	Nil	0	0.0000	Nil	0.0000	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

2A.2.1.7 Exploratory Drilling(Core/non Core)

SI.No.	Year		Exploration agency	Core holes		Non-core (RC/DTH)		Grand total		Attach log sheet of each borehole in csv/excel format
	From	To		Number of boreholes drilled	Total mtrs	Number of boreholes drilled	Total mtrs	Number of boreholes drilled	Total mtrs	
1	04/08/2021	30/03/2022	Prism Johnson Limited	16	1083.00	0	0.00	16	1083.00	Exploratory Drilling_66.xlsx

2A.2.1.8: Exploratory Mining

SI.No.	Pit/Adit ID	Length in Mtr	Width in Mtr	Depth in mtrs	Volume (m³)
1	NA	0.00	0.00	0.00	0.00

2A.2.1.9: Sampling

SI.No.	Type of sample	No of samples collected	Number of samples analyzed	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Remark if any
				From	To	From	To	
1	Drill Core	33	33	24:34:14.27	24:34:14.27	81:00:05.13	81:00:05.13	CD/11/-17
2	Drill Core	36	36	24:34:04.02	24:34:04.02	81:00:04.86	81:00:04.86	PBH/10/-21
3	Drill Core	43	43	24:33:58.32	24:33:58.32	80:59:35.61	80:59:35.61	PBH/02/-21
4	Drill Core	46	46	24:33:54.70	24:33:54.70	80:59:29.15	80:59:29.15	PBH/00/-23
5	Drill Core	38	38	24:33:54.75	24:33:54.75	80:59:36.35	80:59:36.35	PBH/02/-23
6	Drill Core	51	51	24:33:49.03	24:33:49.03	80:59:29.20	80:59:29.20	PBH/00/-25
7	Drill Core	45	45	24:33:45.99	24:33:45.99	80:59:37.02	80:59:37.02	PBH/02/-25
8	Drill Core	42	42	24:34:04.42	24:34:04.42	80:59:43.25	80:59:43.25	CD/05/-20
9	Drill Core	33	33	24:34:05.38	24:34:05.38	80:59:34.91	80:59:34.91	PBH/02/-19
10	Drill Core	32	32	24:34:14.35	24:34:14.35	80:59:30.60	80:59:30.60	PBH/01/-16
11	Drill Core	26	26	24:34:05.12	24:34:05.12	80:59:31.30	80:59:31.30	PBH/01/-19
12	Drill Core	36	36	24:34:08.31	24:34:08.31	81:00:07.33	81:00:07.33	PBH/02/-20
13	Drill Core	61	61	24:33:54.05	24:33:54.05	80:59:49.80	80:59:49.80	PBH/06/-23
14	Drill Core	38	38	24:34:00.27	24:34:00.27	80:59:49.70	80:59:49.70	PBH/06/-21
15	Drill Core	24	24	24:34:01.09	24:34:01.09	80:59:57.05	80:59:57.05	PBH/08/-21
16	Drill Core	42	42	24:33:54.05	24:33:54.05	80:59:49.80	80:59:49.80	PBH/04/-23

2A.2.1.10: Chemical Analysis

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SI.No.	Sample ID	Minerals	Radical with garde in %	Name of Agency	Type of agency	Attachment
1	CD/11/-17 PBH/10/-21 PBH/02/-21 PBH/00/-23 PBH/02/-23 PBH/00/-25 PBH/02/-25 CD/05/-20 PBH/02/-19 PBH	Limestone	CaO, MgO	Prism Johnson Limited	Inhouse	Chemical Analysis 66.xls x

* Chemical analysis of core /non vore samples may be uploaded in CSV file which shall normally include Five files namely collar file, survey file and Geology log file, Assay file & RQD File.

2A.2.1.11: Petrology & Mineralogical Studies

SI.No.	Type of Sample	Number of Sample Drawn	Number of Sample Analyzed	Petrographic Study Report
1	Nil	0	0	Nil

2A.2.1.12: Beneficiation Studies

SI.No.	Type of Beneficiation	Number of Samples	Attach
1	Nil	0	Nil

2A.2.1.13: Bulk Density Study as per M(EMC) Rules, 2015 and SOP of CGPB

Method adopted for calculating bulk density of ore and waste				
The bulk density of samples from Prism Cement Limestone Mines was determined using standard methods. For limestone cores (Caliper Method), densities were: Mankahari – 2503 kg/m ³ , Hinauti – 2486 kg/m ³ , Sihata – 2511 kg/m ³ . For overburden cores, results were: Mankahari – 2481 kg/m ³ , Hinauti – 2512 kg/m ³ , Sihata – 2507 kg/m ³ . For soil (Container Fill Method), values recorded were 1614 kg/m ³ , 1582 kg/m ³ , and 1604 kg/m ³ .				
SI.No.	Nature of Ore/OB	Mineral	Number of samples	Bulk Density Established (t/m ³)
1	Core sample	Limestone	3	2.50
2	Core sample	Soil	3	1.60
3	Core sample	Shale(OB) interburden	3	2.50

2A.2.1.14: Area Covered under Exploration

Level of exploration	Area in Ha.		Total Area in Ha.
	Forest	Non Forest	
G-1	0.000000	66.434000	66.434000
G-2	0.000000	0.000000	0.000000
G-3	0.000000	0.000000	0.000000
G-4	0.000000	0.000000	0.000000
Area proved as Non-mineralized	0.000000	0.000000	0.000000
Area to be explored	0.000000	0.000000	0.000000
Total	0.000000	66.434000	66.434000

2A.2.2: Summary of The Previous Exploration (Before Last Plan Period)

Name of The Agency
M/s Prism Johnson Limited, Mineral Resource Department, Village:- Mankahari, Post:- Bathia, Tehsil: Rampur Baghelan, District:- Satna, Madhya Pradesh

2A.2.2.1: Geological Mapping

Sl.No.	Year		Scale	Area Covered (Ha)
	From	To		
1	01/04/2016	31/03/2021	1:2000	66.43

2A.2.2.2: Airborne Geophysical Survey

Sl.No.	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
1	NIL	0.00	0.000000	0.00	Nil	Nil	Nil	Nil

2A.2.2.3: Ground Geophysical Survey

SI.No.	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
1	NIL	0	0	0.0000	Nil	Nil	Nil	Nil

2A.2.2.4: Geochemical Survey

SI.No.	Type of Sample	No of Samples
1	Nil	0

2A.2.2.5: Pitting

SI.No.	Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Litho units exposed	Litho Unit From (m)	Litho Unit To (m)	Average Grade(%)	Running Metres (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
										Form	To	Form	To
1	NA	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	Nil	Nil	Nil	Nil

2A.2.2.6: Trenching

Number of Trenches
0

Spacing

Min (m)	Max (m)	Avg (m)
0.00	0.00	0.00

Area Covered Under Trenching

Co-ordinates

Latitude

North	Nil
North	Nil
North	Nil
North	Nil

Longitude

East	Nil
East	Nil
East	Nil
East	Nil

SI.No.	Trench ID	Length of Trench (m)	Width of Trench (m)	Depth of Trench (m)	Litho Units Exposed	Average Grade	Running mtr	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
								From	To	From	To
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

2A.2.2.7: Exploratory Drilling

2A.2.2.7.1:Core/Non-core Drilling

SI.No.	Year		Exploration agency	Core holes		Non-core (RC/DTH)		Grand total		Attach log sheet of each borehole in csv/excel format
	From	To		Number of boreholes drilled	Total mtrs	Number of boreholes drilled	Total mtrs	Total boreholes	Total mtrs	
1	01/04/1993	31/03/1994	ACC	11	337.50	0	0.00	11	337.50	ACC Bh log 6 6.xlsx
2	20/10/2016	31/07/2019	Prism Johnson limited	8	457.00	0	0.00	8	457.00	8 BH Form J. xlsx

2A.2.2.8: Exploratory Mining

SI.No.	Pit / Adit ID	Volume (m ³)
1	NA	0.00

2A.2.2.9: Sampling

SI.No.	Type of sample	Number of Samples	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
				From	To	From	To
1	Drill Core	30	4.00	24:34:14.06	24:34:14.06	80:59:50.60	80:59:50.60
2	Drill Core	22	4.00	24:34:13.86	24:34:13.86	80:59:35.93	80:59:35.93
3	Drill Core	28	4.00	24:34:17.13	24:34:17.13	80:59:39.54	80:59:39.54
4	Drill Core	25	4.00	24:34:13.89	24:34:13.89	80:59:43.22	80:59:43.22
5	Drill Core	31	4.00	24:34:07.63	24:34:07.63	80:59:43.18	80:59:43.18
6	Drill Core	21	4.00	24:34:07.72	24:34:07.72	80:59:50.56	80:59:50.56
7	Drill Core	21	4.00	24:34:14.18	24:34:14.18	80:59:57.75	80:59:57.75
8	Drill Core	20	4.00	24:34:07.93	24:34:07.93	80:59:57.85	80:59:57.85
9	Drill Core	20	4.00	24:33:47.13	24:33:47.13	80:59:27.54	80:59:27.54
10	Drill Core	36	4.00	24:34:15.46	24:34:15.46	80:59:34.41	80:59:34.41
11	Drill Core	30	4.00	24:34:09.70	24:34:09.70	80:59:34.41	80:59:34.41
12	Drill Core	52	4.00	24:33:57.32	24:33:57.32	80:59:34.42	80:59:34.42
13	Drill Core	52	4.00	24:33:50.22	24:33:50.22	80:59:34.42	80:59:34.42
14	Drill Core	59	4.00	24:33:50.44	24:33:50.44	80:59:41.49	80:59:41.49
15	Drill Core	44	4.00	24:33:56.71	24:33:56.71	80:59:47.54	80:59:47.54
16	Drill Core	60	4.00	24:34:09.71	24:34:09.71	80:59:55.75	80:59:55.75
17	Drill Core	111	4.00	24:34:02.88	24:34:02.88	80:59:55.77	80:59:55.77
18	Drill Core	52	4.00	24:34:09.60	24:34:09.60	81:00:02.85	81:00:02.85

19	Drill Core	39	4.00	24:34:09.71	24:34:09.71	81:00:09.98	81:00:09.98
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2A.2.2.10: Chemical Analysis

SI.No.	Sample ID	Minerals	Radical Analysis	Attachment
1	C 00 03	Limestone	CaO, MgO	C_00_03.xlsx
2	C 02 04	Limestone	CaO, MgO	C_02_04.xlsx
3	C 02 05	Limestone	CaO, MgO	C_02_05.xlsx
4	C 02 07	Limestone	CaO, MgO	C_02_07.xlsx
5	C 02 08	Limestone	CaO, MgO	C_02_08.xlsx
6	C 04 10	Limestone	CaO, MgO	C_04_10.xlsx
7	C 06 06	Limestone	CaO, MgO	C_06_06.xlsx
8	C 08 08	Limestone	CaO, MgO	C_08_08.xlsx
9	C 08 09	Limestone	CaO, MgO	C_08_09.xlsx
10	C 10 08	Limestone	CaO, MgO	C_10_08.xlsx
11	C 12 06	Limestone	CaO, MgO	C_12_06.xlsx
12	CD/03/-17	Limestone	CaO, MgO	CD_03_-17.xlsx
13	CD/04/-16	Limestone	CaO, MgO	CD_04_-16.xlsx
14	CD/05/-17	Limestone	CaO, MgO	CD_05_-17.xlsx
15	CD/05/-19	Limestone	CaO, MgO	CD_05_-19.xlsx
16	CD/07/-17	Limestone	CaO, MgO	CD_07_-17.xlsx
17	CD/07/-19	Limestone	CaO, MgO	CD_07_-19.xlsx
18	CD/09/-17	Limestone	CaO, MgO	CD_09_-17.xlsx
19	CD/09/-19	Limestone	CaO, MgO	CD_09_-19.xlsx

2A.2.2.11:Petrology & Mineralogical Studies

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2A.2.3 Ore Body Geometry & Grade

SI.No.	Name of the ore band	General Strike / Trend	Dip Of Mineral Body	Average Strike Length (m)	Average Width (m)	Chemical parameters				
						Average Depth (m)	Name of the radical	Min Grade (%)	Max Grade (%)	Avg Grade (%)
1	Limestone	NE-SW	S	1128.00	864.00	14.00	CaO	35.65	50.55	43.42
2	Limestone	NE-SW	S	1128.00	864.00	14.00	MgO	1.06	8.87	2.77
3	Limestone	NE-SW	S	1128.00	864.00	14.00	SiO2	4.89	18.44	10.75
4	Limestone	NE-SW	S	1128.00	864.00	14.00	Al2O3	1.11	3.66	2.10
5	Limestone	NE-SW	S	1128.00	864.00	14.00	Fe2O3	0.68	1.78	1.16

2A.2.4: Reserve / Resource Estimation Method

2A.2.4.1: Methodology

Resource / Reserve Estimation Method
Sectional Area Method
Methodology
A tonnage conversion factor of 2.5 tonnes/m ³ for limestone and 1.6 tonnes/m ³ for soil has been considered. Limestone resources/reserves have been estimated based on 34% CaO and 5% MgO, as per the threshold value specified in IBM Notification No. C-284/3/CMG/2017 dated 25-04-2018. The same value has been adopted as the cut-off grade for estimation and mine planning. An area of 500 m from the railway line, located south of the mine, is restricted. Within this restricted zone, the company has purchased the lease area island and installed a solar power plant, while crushers, stackers, reclaimers, and conveyors have been set up in some parts of the south. The resources/reserves were re-estimated using the cross-sectional area method. Limestone formations were delineated, and the cross-sectional area of each lithounit was determined using computer software. The average cross-sectional area was obtained by calculating the mean of two consecutive sections. The volume was then derived by multiplying this average area with the distance between the sections. The calculated volumes were converted to tonnage (in-situ reserves) using density/tonnage factors. Mineable reserves were estimated after excluding blocked/dammed resources. The mineral bed thickness varies across the deposit. Two limestone bands are present within the lease area. In the earlier review of mining plan, the G-1 area for the first band was assessed as 66.434 ha, while for the second band, only G-1: 28.14 ha and G-2: 12.97 ha were considered. Following proposed boreholes in subsequent exploration, the reserves were re-evaluated, and the entire lease area of the second band was classified as G-1. However, reserve estimation remains confined to 66.434 ha only.

2A.2.4.2: Resource Calculation

Sl.No.	Cross Section/Block	Section Area/ Block Area(sq mt)	Influence(m)	Depth in mtr	Volume (m ³)	Bulk Density (t/m ³)	Resource Quantity (t)	Level of Exploration	Type of Land	Name of the radical	Grade (%)	Method used for resource estimation
1	AA0	0	45.00	0.00	0.00	2.50	0.00000	331	Private Land	Ca0	0	Cross section method
2	AA1	0	147.00	0.00	0.00	2.50	0.00000	331	Private Land	Ca0	0	Cross section method
3	BB1	0	122.00	13.00	0.00	2.50	0.00000	331	Private Land	Ca0	41.87	Cross section method
4	CC1	333	20.00	10.00	6660.00	2.50	14985.00000	331	Private Land	Ca0	41.22	Cross section method
5	DD1	0	0.00	14.00	0.00	2.50	0.00000	331	Private Land	Ca0	43.60	Cross section method
6	EE1	0	0.00	15.00	0.00	2.50	0.00000	331	Private Land	Ca0	44.22	Cross section method
7	AA0	3266	45.00	21.00	146970.00	2.50	330682.50000	331	Private Land	Ca0	43.19	Cross section method
8	AA1	10796	147.00	16.00	1587012.00	2.50	3570777.00000	331	Private Land	Ca0	41.76	Cross section method
9	BB1	6542	122.00	14.00	798124.00	2.50	1795779.00000	331	Private Land	Ca0	40.85	Cross section method
10	CC1	0	20.00	14.00	0.00	2.50	0.00000	331	Private Land	Ca0	41.22	Cross section method
11	DD1	0	0.00	16.00	0.00	2.50	0.00000	331	Private Land	Ca0	43.74	Cross section method
12	EE1	0	0.00	17.00	0.00	2.50	0.00000	331	Private Land	Ca0	43.30	Cross section method
13	AA0	0	40.00	0.00	0.00	2.50	0.00000	331	Private Land	Ca0	0	Cross section method
14	AA1	0	59.00	0.00	0.00	2.50	0.00000	331	Private Land	Ca0	0	Cross section method
15	BB1	0	54.00	13.00	0.00	2.50	0.00000	331	Private Land	Ca0	41.87	Cross section

												method
16	CC1	1955	51.00	10.00	99705.00	2.50	224336.3000 0	331	Private Land	Ca0	41.22	Cross section method
17	DD1	9061	112.00	14.00	1014832.00	2.50	2283372.000 00	331	Private Land	Ca0	43.60	Cross section method
18	EE1	7008	136.00	15.00	953088.00	2.50	2144448.000 00	331	Private Land	Ca0	44.22	Cross section method
19	AA0	1076	40.00	21.00	43040.00	2.50	96840.00000	331	Private Land	Ca0	43.19	Cross section method
20	AA1	1511	59.00	16.00	89149.00	2.50	200585.2500 0	331	Private Land	Ca0	41.76	Cross section method
21	BB1	2177	54.00	14.00	117558.00	2.50	264505.5000 0	331	Private Land	Ca0	40.85	Cross section method
22	CC1	3805	51.00	14.00	194055.00	2.50	436623.7500 0	331	Private Land	Ca0	41.22	Cross section method
23	DD1	11261	112.00	16.00	1261232.00	2.50	2837772.000 00	331	Private Land	Ca0	43.74	Cross section method
24	EE1	8643	136.00	17.00	1175448.00	2.50	2644758.000 00	331	Private Land	Ca0	43.30	Cross section method
Total					7486873.00		16845464.30 000					

2A.2.4.3: Mineral Resource Estimate for Conversion to Mineral Reserve

The reserves have been recalculated using the cross-sectional method. The area of influence of each borehole has been taken as 100 m on either side, and the ore body extent from longitudinal–vertical sections was multiplied by the influence area for volumetric assessment. The area 500 m south of the mine, adjacent to the Satna–Rewa railway line, is restricted. Within this zone, the company has purchased the ML island area and installed a solar power plant, crushers, stackers, reclaimers, and conveyors. A tonnage factor of 2.5 tonnes/m³ for limestone and 1.6 tonnes/m³ for soil has been adopted. Resources/reserves were estimated on threshold values of 34% CaO and 5% MgO as per IBM Notification No. C-284/3/CMG/2017 dated 25-04-2018, also considered as cut-off grade. No public roads or habitations exist within the ML, and all structures belong to Prism Johnson Ltd. Statutory restrictions have been duly applied. An electric line passes along the western boundary, while crushers and stackers are located on the southeastern boundary. A 50 m barrier and 7.5 m lease boundary barrier (where applicable) have been maintained. On the northern side, the ML is contiguous with another Prism lease (253.326 ha), and common boundary permission under Regulation 111 of MMR-1961 has been obtained; hence no 7.5 m barrier is required. The second band occurs 25–27 m below the first, with ~25 m overburden. It will be worked by three benches of 9 m, 8 m, and 8 m, followed by two limestone benches of 9 m and 5 m. Haul roads are designed at 16–20 m on the development side and 12 m at the end side. Bench widths will be kept equal to or greater than bench heights. Reserves have been finalized considering statutory safety limits, mining losses, and operational constraints.

2A.2.4.4: Threshold value & Cut off Parameters

As per IBM guidelines, all material containing CaO less than 34% and MgO greater than 5% is considered reject, in line with the prescribed threshold limits. Material having 34%–38% CaO is blended with higher-grade limestone/sweetener (purchased) and utilized in cement manufacture. No sub-grade material has been considered separately. The ultimate pit depth is envisaged at 270 MRL. Low-grade limestone with 34%–38% CaO, encountered in small patches and thin bands during mechanized mining, cannot be segregated during excavation. The volume of such material is low, and it is suitably blended with high-grade limestone available from our mines and sweetener limestone procured from outside parties. No separate stockyard is maintained for this low-grade material.

2A.2.4.5: Mining Factors or Assumptions

Fully mechanized opencast method of mining will be adopted. All operations of mining will be done by deployment of heavy earth moving machinery for deep hole drilling, excavation, loading & transportation. Various mining activities such as drilling, blasting, loading and transportation will be undertaken so as to ensure maximum mineral conservation and minimum environmental degradation. While planning, quality parameter of the deposit has been taken care of so as to have maximum blending ratio. Since the cost for mining is less than the selling price of the mineral it is economical to mine and hence the resource can be converted to mining reserve. The method and assumption used to convert the mineral resources to mineral resources to mineral reserves is detailed design supported with conceptual plan for mining.

2A.2.4.6: Metallurgical Factors or Assumptions

Not Applicable

2A.2.4.7: Cost & Revenue Factors

The limestone produced from this mine is by fully mechanised mining method which cost about Rs 150 per ton and the Royalty applicable is Rs 80 per ton. The DMF and NMET estimates are Rs. 25.60 per ton of limestone.

2A.2.4.8: Market Assessment

Limestone produced from the proposed limestone mine will be utilized in the cement plant located at Satna Madhya Pradesh. Thus there will be no other users for the limestone produced from this mine. However the limestone produced from this mine is cheaper than the available market rate.

2A.2.4.9: Other Modifying Factors

The mine and the cement plant of Prism Johnson Limited has all clearances pertinent to government regulations which includes, environmental and legal issues. The company has fully operational plant and marketing of the cement is being done since 1996. The reserves have been based on geological data based on the borehole results. The classification of reserves has been done under the guidelines prescribed by Indian Bureau of Mines, Circular No. 3/2010 vide Letter No. M-11012/1/2009-CCOM dated 14.07.2010.

2A.2.4.10: Classification

According to the Minerals (Evidence Of Mineral Contents) Rules, 2015, the boreholes drilled in 200x200 m grid pattern is sufficient to establish the flat tabular & stratiform limestone deposit of regular habit under UNFC reserve category (111).

2A.2.4.11: Calculation of blocked resources

Sl.No.	Reserves blocked due to	Cross section/Block	Sectional area/ block area (in Sq mtr)	Influence (m)	Depth (m)	Volume (m ³)	Bulk Density (t/m ³)	Resource Quantity (t)	UNFC code	Type of Land	Name of the radical	Grade (%)	Method used for resource estimation
1	7.5 Meter Safety Barrier	AA0	0.00	40.00	0.00	0.00	2.50	0.00000	221	Private land	CaO	0	Cross section method
2	High Tension Lines	AA1	0.00	59.00	0.00	0.00	2.50	0.00000	221	Private land	CaO	0	Cross section method
3	Other	BB1	0.00	54.00	13.00	0.00	2.50	0.00000	221	Private land	CaO	41.87	Cross section method
4	Other	CC1	1955.00	51.00	10.00	99705.00	2.50	224336.25000	221	Private land	CaO	41.22	Cross section method
5	Other	DD1	9061.00	112.00	14.00	1014832.00	2.50	2283372.00000	221	Private land	CaO	43.60	Cross section method
6	Nil	EE1	7008.00	136.00	15.00	953088.00	2.50	2144448.00000	221	Private land	CaO	44.22	Cross section

													method
7	7.5 Meter Safety Barrier	AA0	1076.00	40.00	21.00	43040.00	2.50	96840.00000	221	Private land	CaO	43.19	Cross section method
8	High Tension Lines	AA1	1511.00	59.00	16.00	83149.00	2.50	200585.25000	221	Private land	CaO	41.76	Cross section method
9	Other	BB1	2177.00	54.00	14.00	117558.00	2.50	264505.50000	221	Private land	CaO	40.85	Cross section method
10	Other	CC1	3805.00	51.00	17.00	194055.00	2.50	436623.75000	221	Private land	CaO	41.22	Cross section method
11	Other	DD1	11261.00	112.00	18.00	1261232.00	2.50	2837772.00000	221	Private land	CaO	43.46	Cross section method
12	Other	EE1	8643.00	136.00	18.00	1175448.00	2.50	2644758.00000	221	Private land	CaO	43.30	Cross section method
Total						4942107.00		11133240.75					

2A.2.4.12: Calulation of Reserves - I

Sl.No.	Cross section/Block	Sectional area/ block area (in Sq mtr)	Influence (m)	Depth (m)	Volume (m ³)	Bulk Density (t/m ³)	Resource Quantity (t)	UNFC code	Type of Land	Name of the radical	Grade (%)	Method used for resource estimation
1	AA0	0	45.00	0.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method
2	AA1	0	147.00	0.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method
3	BB1	0	122.00	13.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method

4	CC1	333	20.00	10.00	6660.00	2.50	14985.00	111	Private land	CaO	Nil	Cross section method
5	DD1	0	0.00	14.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method
6	EE1	0	0.00	15.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method
7	AA0	3266	45.00	21.00	146970.00	2.50	330682.50	111	Private land	CaO	Nil	Cross section method
8	AA1	10796	147.00	16.00	1587012.00	2.50	3570777.00	111	Private land	CaO	Nil	Cross section method
9	BB1	6542	122.00	14.00	798124.00	2.50	1795779.00	111	Private land	CaO	Nil	Cross section method
10	CC1	0	20.00	17.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method
11	DD1	0	0.00	18.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method
12	EE1	0	0.00	18.00	0.00	2.50	0.00	111	Private land	CaO	Nil	Cross section method
Total					2538766.00		5712223.50					

2A.2.4.13: Calculation of Reserves -II

Mineral	LIMESTONE
Reserves/ Resources estimated as on	01/08/2025
UNIT of estimation	tonnes

A. Mineral Reserve

Classification	Code	Quantity			Grade		Remark
		Forest	Non Forest	Total	Forest	Non Forest	

1. Proved Mineral Reserve (A)	111	0.00	5712223.50	5712223.50	0	CaO-43.20% MgO-2.63%	Nil
2. Probable Mineral Reserve (A)	121	0.00	0.00	0.00	0	0	Nil
3. Probable Mineral Reserve (A)	122	0.00	0.00	0.00	0	0	Nil

B. Remaining Resources

Classification	Code	Quantity			Grade		Remark
		Forest	Non Forest	Total	Forest	Non Forest	
1. Feasibility Mineral Resource (B)	211	0.00	11133240.75	11133240.75	0	CaO-43.20% MgO-2.63%	Nil
2. Prefeasibility Mineral Resource (B)	221	0.00	0.00	0.00	0	0	Nil
3. Prefeasibility Mineral Resource (B)	222	0.00	0.00	0.00	0	0	Nil
4. Measured Mineral Resource (B)	331	0.00	0.00	0.00	0	0	Nil
5. Indicated Mineral Resource (B)	332	0.00	0.00	0.00	0	0	Nil
6. Inferred Mineral Resource (B)	333	0.00	0.00	0.00	0	0	Nil
7. Reconnaissance Mineral Resource (B)	334	0.00	0.00	0.00	0	0	Nil
Total Mineral Resources (A+B) :				16845464.25			

2A.2.4.13: Calculation of Reserves -III

No associate minerals are available!

2A.2.5: Future Exploration Proposal

2A.2.5.1: Geological Mapping

SI.N.	Year	Scale	Area Covered (Ha)
1	2030-2031	1:2000	66.43

2A.2.5.2: Ground Geophysical Survey

SI.No.	Year	Type of Survey	Spacing (m)	Total line (km)	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
						From	To	From	To
1	Nil	Nil	0	0	0.0000	Nil	Nil	Nil	Nil

2A.2.5.3: Pitting

Number of Pits										
0										
SI.No.	Year	Land Type	Pit ID	Length of Pit (m)	Width of Pit (m)	Depth of Pit (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
							From	To	From	To
1	Nil	Nil	NA	0.00	0.00	0.00	Nil	Nil	Nil	Nil

2A.2.5.4: Trenching

Number of Trenches										
0										

2A.2.5.4.1: SPACING

Min (m)	Max (m)	Avg (m)
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0.00	0.00	0.00
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2A.2.5.4.2: Area Covered Under Trenching

Co-ordinates

SI.No.	Year	Land Type	Trench ID	Length of Trench (m)	Width of Trench (m)	Depth of Trench(m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
							From	To	From	To
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

2A.2.5.5: Exploratory Drilling

2A.2.5.5.1: Core Drilling & Non-Core Drilling

SI.No.	Year	In Forest Area				In Non Forest Area				Total Borehole	Total Meter
		No. of Borehole	Total Mtr	Type Borehole	Grid Interval	No. of Borehole	Total Mtr	Type Borehole	Grid Interval		
1	Nil	0	0.00	Nil	0.00	0	0.00	Nil	Nil	Nil	Nil

2A.2.5.6: Exploratory Mining

SI.No.	Year	Pit ID	Length in meter	Width in meter	Depth in meter	Volume (m³)
1	Nil	NA	0.00	0.00	0.00	0.00

2A.2.5.7: Sampling

SI.No.	Year	Type of Sample	Number of Samples Proposed	Area Covered(Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
					From	To	From	To
1	Nil	Nil	0	0.00	Nil	Nil	Nil	Nil

2A.2.5.8 Petrographic & Mineralgraphic Studies

SI.No.	Year	Type of Sample	Number of Samples Proposed
1	Nil	None	0

Approved

Chapter 2B : Geology & Exploration UG : NA

Approved

Chapter 3: Mineral Beneficiation / Processing

Name of The Ore/Mineral	Limestone
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3.1: Mineralogy of the ROM ore/ Mineral

SI.No	Valuable Mineral Name	Approx. Mineral %	Gangue Mineral/s name	Approx. Mineral Gangue %
1	Limestone	100.0000	Not applicable	0.0000

3.2: Complete Chemical Analysis of the ROM Ore/Mineral

SI.No	Radical	Wt%
1	CaO	43.2000
2	MgO	2.6300
3	SiO2	11.2600

3.3: Crushing Section

3.3.1: Primary Crushing

SI.No	Type of Crusher	Make	Capacity of Crusher(tph)	Feed Size(mm)	Product Size(mm)
1	Jaw Crusher	F.L.SMIDTH	750	1000.0000	70.0000
2	Jaw Crusher	F.L.SMIDTH	750	1000.0000	70.0000
3	Other	F.L.SMIDTH	1500	1500.0000	70.0000

3.3.2: Secondary Crushing

Not Applicable

3.3.3: Tertiary Crushing

Not Applicable

3.4: Grinding Section

3.4.1: Dry Grinding

Not Applicable

3.4.2: Wet Grinding

Not Applicable

3.5: Dry Processing

3.5.1: Screening and Classification

Not Applicable

3.5.2: Other Operations

Not Applicable

3.5.3: Product Quality

Not Applicable

3.6: Wet Processing

3.6.1: Scrubbing / Washing

SI.No	Type of Scrubbers / washers	Stages, if applicable	Make	Capacity(tph)	Feed Size(mm)	Product Size (mm)	Product Quality, if available	Water Requirement(l/h)	Fresh Water Requirement (l/h)	Recirculated Water (l/h)
1	NA	Nil	NA	0.0000	0.0000	0.0000	0	0.0000	Nil	Nil

3.6.2: Screening and Classification

SI.No	Type of screen / classifiers	Stages, if applicable	Make	Capacity(tph)	Aperture Size of Screen/Classifier (mm), if applicable	Feed Size(mm)	Product Size (mm)	Product Quality, if available	Water Requirement(l/h)	Fresh Water Requirement (l/h)	Recirculated Water (l/h)
1	NA	Nil	NA	0.0000	0.0000	0.0000	0.0000	0	Nil	Nil	Nil

3.6.3: Gravity Separation

SI.No	Type of separators (jig, table,	Stages, if applicable	Make	Capacity(tph)	Feed Size(mm)	Product (Conc) (tph)	Product-Mid (tph), if available	Product-Tail (tph)	Water Requirement(l/h)	Fresh Water Requirement (l/h)	Recirculated Water (l/h)
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	spiral, etc.)										
1	NA	NA	NA	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil

3.6.4: Magnetic Separation

SI.No	Type of magnetic separators (magnetic intensity)	Stages, if applicable	Make	Capacity(tph)	Feed Size(mm)	Product-Mag (tph)	Product-Mid (tph), if available	Product non-Mag (tph)	Water Requirement(l/h)	Fresh Water Requirement (l/h)	Recirculated Water (l/h)
1	NA	NA	NA	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil

3.6.5: Flotation

SI.No	Type of flotation equipment (froth/ column)	Stages (rougher/ cleaner, etc), if applicable	Make	Capacity(tph)	Feed Size(mm)	Product-Float (tph)	Product non-Float (tph)	Water Requirement(l/h)	Fresh Water Requirement (l/h)	Recirculated Water (l/h)
1	NA	NA	NA	0.0000	0.0000	Nil	0.0000	0.0000	Nil	Nil

3.6.6: Other Operations

SI.No	Type of equipment / operation	Stages, if applicable	Make	Capacity(tph)	Feed Size(mm)	Product-Conc (tph)	Product-Mid (tph), if available	Product-Tail (tph)	Water Requirement(l/h)	Fresh Water Requirement (l/h)	Recirculated Water (l/h)
1	NA	Nil	NA	0.0000	0.0000	0.0000	0.0000	0.0000	Nil	Nil	Nil

3.6.7: Product Quality (wet processing)

Products	Wt%	In Tonnes	Size (Range) mm	Complete chemical analysis
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Concentrate	0.0000	0.0000	0	0
Sub-grade	0.0000	0.0000	0	0
Rejects	0.0000	0.0000	0	0

3.7: Overall Product Quality (Dry cum Wet Processing)

Products	Wt%	In Tonnes	Size (Range) mm	Complete chemical analysis
Concentrate	Nil	Nil	Nil	Nil
Sub-grade	Nil	Nil	Nil	Nil
Rejects	Nil	Nil	Nil	Nil

3.8: Disposal Method for tailing/ rejects

a) Explain the disposal method for tailing or reject from processing plant with detail chemical / mineral analysis of tailing	Nil
b) Size and capacity of tailing pond, toxic effect of such tailings, process adopted to neutralise its effect (if any)	Nil
c) Any other data (if available)	Nil

3.9: Overall water requirement of mining and mineral processing

Indicate quantity, source of supply, disposal of water and extent of recycling and chemical analysis of water	chemical analysis of water.pdf
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3.10: Flow sheets and charts

Material balance chart of mineral processing plant(s) (each stage of process)	Annexure-19 Mineral Processing Flowsheet.pdf
Attach flow sheet of beneficiation of plant(s)	Nil

Any other data (if applicable)	Nil
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Approved

Chapter 4A: Mining Operations

4A.1.1: Existing Method of Mining			Mechanized	
Choose one or more	HEMM with deephole drilling	None	None	None
4A.1.2: Proposed Method of Mining			Mechanized	
Choose one or more	HEMM with deephole drilling	None	None	None
Reasons for Proposed Changes			The Mankahari mining lease of 66o434 ha along with five adjoining leases has common boundary permission from DGMS and is operated as a fully mechanized A category mine Mining of the second limestone band is proposed in four leases through common pit working Two benches of 9 m and 5 m height will be developed To access this band backfill from the first band will be removed and 22 to 27 m of interbedded shale will be excavated using 3o5 m excavators and 50 to 60 t dumpers	

4A.2: Operational Parameters

4A.2.1: Inventory of Existing Pits & Dumps

4A.2.1.1: Pits

Sl.No.	Pit ID	Pit Status	Area Covered by Pit(Ha)	Pit Dimensions(L*W*D)
1	Pit-01	Active	16.9200	1110x520x18

4A.2.1.2: Dumps and Stacks

4A.2.1.2.1: Dump Details

SI.No.	Dump ID	Dump Status	Type of Dump	Total of Dump Quantity(t)	Area Covered by Dump(Ha)	Height(m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
							From	To	From	To
1	S-01	Stabilised	Waste	268136.00	3.20	18.00	24:33:45.76	24:33:54.95	80:59:25.79	80:59:33.67

4A.2.1.2.2: Stack Details

SI.No.	Stack ID	Type of Stack	Total Stack of Quantity(t)	Area Covered by Stack(Ha)	Height(m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
						From	To	From	To
1	Stock-C	Stack for mineral	69897	1.47	9	24:34:06.59	24:34:15.51	80:59:45.85	80:59:56.38

4A.2.1.3: Details of stabilised dumps

SI.No.	Dump ID	Number of Terraces	Average Height of Terraces(m)	Lenght of Toe Wall(m)	Lenght of Garland Drain(m)	Area Stablized(Ha)	Method of Stablization
1	S-01	1	18.00	501.00	270.00	3.20	Reforestation

4A.2.2: Opencast Mining

4A.2.2.1: Bench Parameters

Pit ID	Year	Max Height of the Benches in Over Burden (m)	Min Width of the Benches in Over Burden (m)	Slope of the Bench in Over Burden (degree)	Max Height of the Benches in Mineral (m)	Minimum Width of the Benches in Mineral (m)	Slope of the Bench in Mineral (degree)	Overall Slope of Pit (degree)	Number of Benches in Top Soil	Number of Benches in Over Burden	Number of Benches in Mineral	Max Depth of Workings (m)	Depth of Water Table (mRL)	Max Slope Angle of Haul Roads (1xx in)
Pit-01	2026-2027	9.00	20.00	80.00	9.00	20.00	80.00	45.00	0	5	2	55.00	268.00	1:16
Pit-01	2027-2028	8.00	20.00	80.00	9.00	20.00	80.00	45.00	0	5	2	50.00	268.00	1:16

Pit-01	2028-2029	8.00	20.00	80.00	9.00	20.00	80.00	45.00	0	5	2	50.00	268.00	1:16
Pit-01	2029-2030	8.00	20.00	80.00	9.00	20.00	80.00	45.00	0	5	2	50.00	268.00	1:16
Pit-01	2030-2031	8.00	20.00	80.00	9.00	20.00	80.00	45.00	0	5	2	50.00	268.00	1:16

4A.2.2.2: Yearwise Opencast Development - I Continue

Sl.No.	Year	Pit ID	Bench	Direction	Bulk Density of Overburden (BD1) (ton/m³)	Bulk Density of Mineral (BD2) (tonn/m³)	Top Soil Volume (Length x Width x Height) (m³)	Over Burden Volume (Length x Width x Height) (m³)	Over Burden Quantity (t)	ROM Volume (Length x Width x Height) (m³)	ROM Quantity (t)	Recovery	Mineral Reject (t)	Production Main (t)	Production Associated (t)	OB Ratio to Ore (m³/ton)
1	2026-2027	Pit-01	BF Ist-7m, BF IInd-7m	W-E	2.50	0.00	0.00	172550.00	431375.00	0.00	0.00	Nil	Nil	Nil	Nil	0.0000
2	2026-2027	Pit-01	Shale-Ist-9.0m, Shale-IIInd-9.0m Shale-IIIrd-9.0m Lst-Ist-9m, Lst-IIInd-5m	W-E	2.50	2.50	0.00	222102.00	555255.00	120000.00	300000.00	1.00000	0.00	300000.00	0.00	0.7403
3	2027-2028	Pit-01	BF Ist-7m, BF IInd-7m	W-E	2.50	0.00	0.00	234780.00	586950.00	0.00	0.00	Nil	Nil	Nil	Nil	0.0000
4	2027-2028	Pit-01	Shale-Ist-8.0m, Shale-IIInd-8.0m Shale-IIIrd-6.0m Lst-	W-E	2.50	2.50	0.00	251520.00	628800.00	120000.00	300000.00	1.00000	0.00	300000.00	0.00	0.8384

			Ist-9m, Lst-IIInd- 5m													
5	2028-202 9	Pit-01	BF Ist-7m, BF IIInd-7m	W-E	2.50	0.00	0.00	172270.0 0	430675.0 0	0.00	0.00	Nil	Nil	Nil	Nil	0.0000
6	2028-202 9	Pit-01	Shale- Ist-8.0m, Shale-IIInd- 8.0m S hale-IIIrd -6.0m Lst- Ist-9m, Lst-IIInd- 5m	W-E	2.50	2.50	0.00	239722.0 0	599305.0 0	120000.0 0	300000.0 0	1.00000	0.00	300000.0 0	0.00	0.7990
7	2029-203 0	Pit-01	BF Ist-7m, BF IIInd-7m	W-E	2.50	0.00	0.00	111468.0 0	278670.0 0	0.00	0.00	Nil	Nil	Nil	Nil	0.0000
8	2029-203 0	Pit-01	Shale- Ist-8.0m, Shale-IIInd- 8.0m S hale-IIIrd -6.0m Lst- Ist-9m, Lst-IIInd- 5m	W-E	2.50	2.50	0.00	219820.0 0	549550.0 0	120000.0 0	300000.0 0	1.00000	0.00	300000.0 0	0.00	0.7327
9	2030-203 1	Pit-01	BF Ist-7m, BF IIInd-7m	W-E	2.50	0.00	0.00	147700.0 0	369250.0 0	0.00	0.00	Nil	Nil	Nil	Nil	0.0000
10	2030-203 1	Pit-01	Shale- Ist-8.0m, Shale-IIInd- 8.0m S hale-IIIrd	W-E	2.50	2.50	0.00	215080.0 0	537700.0 0	120000.0 0	300000.0 0	1.00000	0.00	300000.0 0	0.00	0.7169

			-6.0m Lst- Ist-9m, Lst-IIInd- 5m													
Total									4967530.00		1500000.00		0.00	1500000.00	0.00	

4A.2.2.2 Yearwise Opencast Development - I End

SI.No.	Year	Pit ID	Total Topsoil Volume (m³)	Total Over Burden Volume (m³)	Total Over Burden Quantity (t)	Total ROM Volume (m³)	Total ROM Quantity (t)
1	2026-2027	Pit-01	0.00	394652.00	986630.00	120000.00	300000.00
2	2027-2028	Pit-01	0.00	486300.00	1215750.00	120000.00	300000.00
3	2028-2029	Pit-01	0.00	411992.00	1029980.00	120000.00	300000.00
4	2029-2030	Pit-01	0.00	331288.00	828220.00	120000.00	300000.00
5	2030-2031	Pit-01	0.00	362728.00	906820.00	120000.00	300000.00
Total			0.00	1986960.00	4967400.00	600000.00	1500000.00

4A.2.2.3: Transportation & Hauling Equipment

SI.No.	Type	Make	Capacity (m³)	No. of Equipments
1	Dumper	CAT, KOMATSU	25.00	3

4A.3: Material Handling Summary

4A.3.1: Studies Undertaken

Title	Study Undertaken	Attachment (only pdf allowed)
Blast Vibration Study Report	Yes	Blasting_report.pdf
Slope Stability Study Report	Yes	Annexure-15 Slope stability Report.pdf

4A.3.4: Calculation Summary

Year	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	Total
(A) Total ROM quantity (t)	300000.00	300000.00	300000.00	300000.00	300000.00	1500000.00
(B) Saleable ore from ROM (t)	300000.00	300000.00	300000.00	300000.00	300000.00	1500000.00
(C) Proposed Dump Handling Quantity (t)	0.00	0.00	0.00	0.00	0.00	0.00
(D) Saleable Ore recovered from dump workings (t)	0.00	0.00	0.00	0.00	0.00	0.00
(E) Total Saleable Ore (t)(=B+D)	300000.00	300000.00	300000.00	300000.00	300000.00	1500000.00
(F) Total Quantity Handled (t)(=A+C)	300000.00	300000.00	300000.00	300000.00	300000.00	1500000.00

4A.4: Machine Calculation

4A.4.1: Machine Requirement Summary

Number of Average Working Days in One Year (A)	300
Number of Shifts per Day (B)	3
Material Handling Required per Day (t) ((D)=Largest of (Q1,Q5)/(A))	5000.38
Material to be Handled per Shift (t) ((E)=(D)/(B))	1666
Handling Required per Hour (t) ((F)=(E)/8 hours)	277.67
Effective Shift Time	6 hrs 00 mins

4A.4.2: Shovel / Excavator Requirement

Effective Shift Time					6 hrs					00 mins				
SI.No.	Type	Bucket Capacity (m³)(A)	Bucket Fill Factor (B)	Swell Factor (C)	Tonnage Factor (t/m³) (D)	Machine Utilization Factor (%) (U)	Efficiency (%) (E)	Cycle time (sec) (F)	(G) TPH =TPH (G) =((3600 x A x B x C x D x E x U) / F)	Total Hours (H) =Number of working days x Number of shifts/day x Effective shift hours	Yearly handling by one Excavator (t) (I)=(G x H)	Maximum handling of the material by this machine during the block period (t) (J)	Number of excavator machines required (K) = (J / I)	Standby excavator (L)
1	TATA HITACHI	3.50	0.8	0.7	2.50	0.80	0.85	40	299.88	5400	1619352.00	3000042.00	1.85	1
2	TATA HITACHI	3.50	0.8	0.8	2.50	0.80	0.90	40	362.88	5400	1959552.00	1215750.00	0.62	0

4A.4.3: Dumper Requirement

Effective Shift Time					6 hrs					00 mins				
SI.No.	Total Hour s=Number of working days (W)x Number of shifts/day x Effective shift hours (Machine Requirement Summary) (A)	Capacity of Dumpers (t) (B)	Speed of the dumper (KMPH) (i)	Lead Distance (KM) (ii)	Time taken to cover distance in minutes(iii) =(ii/i) x 60	Queuing, Loading Time at Shovel (min) (iv)	Queuing, Unloading Time during unloading (min) (v)	Total Time to complete one trip(vi) = (iii + iv + v)	No. of Trips / hr = (60 / vi)	Total trans portation per hour =(B X vii)	Yearly handling by one dumper (ix) = A x TPH	Maximum handling of the material by this machine during the block period (t) (x)	Number of dumpers will be (xi) =(x / ix)	Plus Standby dumper (xii)

1	5400	50.00	20.00	2.20	6.60	6.20	5.00	17.80	3	168	909900.00	300042.00	0	1
2	5400	50.00	20.00	0.40	1.20	6.20	2.00	9.40	6	319	1722600.00	1215750.00	0	1

4A.4.4: Drill Machine Requirement

Effective Shift Time	6 hrs	00 mins
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SI.No.	Type of Drill	Depth of Hole(including Sub-grade Drilling (m)	Spacing (m)	Burden (m)	Bulk Density of Waste (t/m³)	Bulk Density of Mineral (t/m³)	Yield per Hole (t)	Yield per Meter (t/m) = Yield per Hole (t)/Depth of Hole(including Sub-grade Drilling (m))	Annual Target Known (t)	Drilling Requirement per Day (m) = (Annual Target Known (t) / Yield per Meter (t/m))/Number of Average Working Days in One Year (A)	Drilling Requirement per Shift(m)	Rate of Drilling per Hours (m/hr) = Drilling Requirement per Shift (m)/Effective Shift Time	Required No. of drills (m/c) = Required rate of drilling in meters per hr./ Actual rate of drilling in meters per hr of the machine deployed	Stand by Drill
1	Hydraulic	9.50	3.00	3.50	0.00	2.50	236.25	24.86	300042.00	40.23	13.41	2.32	0.16	0
2	Hydraulic	9.50	2.50	3.00	2.50	0.00	168.75	17.76	628800.00	118.01	39.39	6.56	0.46	0

4A.4.5: Machine Deployment Details

4A.4.5.1: Excavator & Loading Equipment

SI.No.	Type	Make	Capacity (m³)	No. of Equipments

1	Excavator	TATA Hitachi	3.50	2
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4A.4.5.2: Dozers Details

SI.No.	Type	Make	Capacity (hp)	No. of Equipments
1	Dozer	KOMATSU	324.00	1

4A.4.5.3: Drilling Details

SI.No.	Type	Make	Capacity (m/hr)	Diameter of Hole(mm)
1	Hydraulic	Atlas Copco	14.00	110.00

4A.5 Blasting Requirement

4A.5.1: Blasting & Explosive Requirement in Waste/Development

SI.No.	Drill Pattern / Spacing of Holes (m)	Burden of Holes (m)	Number of Rows / Rings	Yield per Holes in Waste (m³)	Frequency of Blasting in a Week	Maximum Number of Holes Blasted in a Round	Charge per Hole (kg)	Charge per Round (kg)	Explosive Requirement Per Month in Development (kg)	Powder Factor in Development / Waste (t/kg)	Depth Of Hole
1	3	2.5	3	67.5	4	30	50	1500	2400	3.37	9.5

4A.5.2: Blasting & Explosive Requirement in Mineral / Ore

Type of Explosive										Type of Explosives used / to be Used									
Non Permitted Explosives										Non Permitted Slurry Explosives (Large Diameter)									
SI.No.	Total ROM p roposed to be	Total ROM p roposed to be	Spacing of Holes (m)	Burden of Holes (m)	Numbe r of Rows	Yield per Holes in	Freque ncy of Blasting in a	Maxim um Numbe r of	No of Holes R equired to be	Charge per Hole (kg)	Charge per Round (kg)	Explosi ve Req uireme nt Per	Powder Factor in Ore (t/kg)	Pop Shootin g (no of Boulder	Plaster Shootin g (no of Boulder	Use of Rockbr eaker	Capacit y	Second ary Blasting Require	Depth Of Hole

	handled in CU M/annu m	handled in CUM/ day				ROM Zone (m³)	Week	Holes Blasted in a Round	Blasted per Round			Month for ROM Zone Blasting (kg)		s)	s)			ments	
1	120016	400	3	3.5	4	94.5	2	40	40	52	2080	16640	4.54	0	0	Yes	3	0	9

4A.6: Man Power Deployment

4A.6.1: Managerial

SI.No.	Particular	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	1st Class	0	0	0	1	1
2	Geologist	0	0	0	1	1

4A.6.2: Supervisory

SI.No.	Particular	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	Foreman	1	1	1	1	4
2	Mine-mate	1	1	1	0	3
3	Blaster	0	0	0	1	1

4A.6.3: Skilled Workers / Operators

SI.No.	Particular	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	Operator	2	2	2	0	6
2	Dumper Operator	4	4	4	0	12

3	Drill Operator	1	1	1	0	3
4	Dozer/Grader Operator	1	1	1	0	3

4A.6.4: Semi-skilled Workers

SI.No.	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	0	0	0	0	0

4A.6.5: Unskilled Workers

SI.No.	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	1	1	1	0	3

4A.6.6: Others Specify

SI.No.	Particular	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	2nd Class Manager	1	1	1	0	3
2	Mining Engineer	0	0	0	1	1

4A.6.7: No of Persons Engaged Per Day

SI.No.	Number of Persons in Shift 1	Number of Persons in Shift 2	Number of Persons in Shift 3	Number of Persons in General Shift	Total No. of Persons per day
1	12	12	12	5	41

No of Shifts per Day ((A) = Machine Requirement Summary (B))	3

Average Daily Employment per Shift ((B) = (Total Number of Person per Day) / (A))	13
Material to be Handled per Shift ((C) = Machine Requirement Summary (E))	1666

4A.6.8: Supervision

Sl.No.	Particular	Qualification	Requirement / Proposed	In Position / Existing Strength	(Requirement / Proposed) - (In Position / Existing Strength) = (-) Shortage / (+) Excess	Remarks
1	Mines Manager	B Tech Mining	1	1	0	Nil
2	Geologist	M Sc Geology	1	1	0	Nil
3	Assistant Manager	BE- Mining	1	1	0	Nil
4	Mining Mate	12 + Mining Mate Certifcate	1	1	0	Nil
5	Mine Foreman	Diploma-Mining	1	1	0	Nil

4A.7: Waste Management

4A.7.1: Existing Dump

Sl.No.	Year	Dump Id	Type of Dump	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Dump Quantity (m³)	Existing Dump Location
						From	To	From	To		
1	Nil	NA	Nil	0.00	0.00	Nil	Nil	Nil	Nil	Nil	Nil

4A.7.2: New Dump

Sl.No.	Year	Dump Id	Type of Dump	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Dump Quantity (m³)	New Dump Location
						From	To	From	To		
1	Nil	NA	Nil	0.00	0.00	Nil	Nil	Nil	Nil	Nil	Nil

4A.7.3: Existing Stack

SI.No.	Year	Stack ID	Type of Stack	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Stack Quantity (m ³)	Existing Stack Location
						From	To	From	To		
1	2028-2029	Stock-C	Stack for mineral	1.46	9.00	24:34:08.22	24:34:13.70	80:59:57.37	81:00:06.34	69897.00	80:59:51.11/24:34:11.05

4A.7.4: New Stack

SI.No.	Year	Stack ID	Type of Stack	Proposed Area (ha)	Height (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Total Stack Quantity (m ³)	New Stack Location
						From	To	From	To		
1	Nil	NA	Nil	0.00	0.00	Nil	Nil	Nil	Nil	Nil	Nil

4A.8: Mineral Waste Handling To Utilize As Minor Mineral

SI.No.	Year	Dump ID	Type of Dump	Proposed Area (ha)	Quantity Handled (t)	Quantity Recovered (t)	Name Of Minor Mineral	Alternative Waste Utilization (m ³)
1	Nil	NA	Nil	0.00	0.00	0.00	Nil	Nil

4A.9: Use of Minerals

SI.No.	Proposed Use Of Mineral	Name Of Mineral	Relevant Use Of Mineral	Physical Specifications	Chemical Specifications
1	Captive use in Own Industry	LIMESTONE	Cement-clinker manufacturing	The lump size should be less than 1 meter.	CaO 34% (Min)&MgO 5.5%(Max)

* Choose among these:

1. Captive use in own industry

2. Direct Selling

3. Selling Post-Beneficiation /Up-gradation

*Select more than one, if applicable

Approved

Chapter 4 B : Mining Operations UG : NA

Approved

Chapter 5: Sustainable Mining

5.1: Sustainable Mining and SDF Implementations in Compliance of Rule 35 of MCDR’2017

The PCL limestone mine recognizes its responsibilities towards the communities where it operates and is committed to enhancing the quality of life in these areas through various community development initiatives. These efforts aim to foster economic growth, provide education, improve health care, and support local infrastructure. Sustainability is at the core of our business strategy, driving us to adopt best practices that minimize environmental impact while maximizing social and economic benefits. We actively promote sustainable development awareness among our stakeholders, including employees, customers, and suppliers, ensuring that all parties are aligned with our sustainability goals. Environmental stewardship is a key focus, and we take deliberate steps to create, maintain, and ensure a safe, clean environment. This includes implementing cutting-edge technologies to reduce emissions, conserving natural resources, and rehabilitating land postmining to restore ecosystems. The Company also invests in energy-efficient processes and renewable energy sources to minimize our carbon footprint. Through these initiatives, we are not only meeting regulatory requirements but also exceeding them, setting a benchmark for sustainability in the industry. Our commitment to sustainability extends beyond compliance; it is about creating long-term value for all stakeholders and ensuring that our operations contribute positively to society and the planet.

(Total 200 characters)

Compliance of Vishakha Committee Guidelines for prevention of women harassment at workplace	Implemented
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5.2: CSR INITIATIVES

5.2.1: 2026-2027

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.1.1: Area to be Developed for Recreation	
Area (Ha)	Area (Ha)
0.00	0.00
5.2.1.2: Area for Water Storage & Recharge Facility	
Area (Ha)	Area (Ha)
0.00	0.00

5.2.1.3: Efforts Made towards Housing for Local Communities

Number of Houses	Number of Houses
0	0

5.2.1.4: Efforts Made towards Providing Transport to Local Communities

Number of Beneficiaries	Number of Beneficiaries
20	20

5.2.1.5: Efforts Made towards Providing Healthcare to Local Communities

Number of Beneficiaries	Number of Beneficiaries
50	50

5.2.1.6: Efforts Made towards Providing Hygiene & Sanitation to Local Communities

Number of Beneficiaries	Number of Beneficiaries
10	10

5.2.1.7: Efforts Made towards Skill Development Programs to Local Communities

Number of Beneficiaries	Number of Beneficiaries
10	10

5.2.1.8: Efforts Made to Promote Education & Knowledge Based Initiatives

Number of Beneficiaries	Number of Beneficiaries
10	10

5.2.1.9: Communication Facilities Provided to Local Communities

Number of Beneficiaries	Number of Beneficiaries
0	0

5.2.1.10: Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities

Number of Beneficiaries	Number of Beneficiaries
2	2

5.2.1.11: Adoption of ODF		
Number of Toilets Built inside the Lease Area	Number of Toilets Built outside the Lease Area:	Number of Beneficiaries
0	10	10

5.2.1.12: Awareness Program among Mine Workers for Swatchata	
Number of Swatchata Programmes Proposed	Number of Swatchata Programmes Held
2	2

5.2.1.13: Efforts for green energy	
Total energy consumption (KWh)	Green energy consumption (% of total)
322685.71	100.00

5.2.1.14: Water & recycled use	
Total water consumption (KLD)	Water recycled (% of total)
159.00	0.00

5.2.2: 2027-2028

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.2.1: Area to be Developed for Recreation	
Area (Ha)	Area (Ha)
0.00	0.00

5.2.2.2: Area for Water Storage & Recharge Facility	
Area (Ha)	Area (Ha)
0.00	0.00

5.2.2.3: Efforts Made towards Housing for Local Communities	
Number of Houses	Number of Houses
0	0

5.2.2.4: Efforts Made towards Providing Transport to Local Communities

Number of Beneficiaries	Number of Beneficiaries
20	40

5.2.2.5: Efforts Made towards Providing Healthcare to Local Communities

Number of Beneficiaries	Number of Beneficiaries
50	100

5.2.2.6: Efforts Made towards Providing Hygiene & Sanitation to Local Communities

Number of Beneficiaries	Number of Beneficiaries
10	20

5.2.2.7: Efforts Made towards Skill Development Programs to Local Communities

Number of Beneficiaries	Number of Beneficiaries
10	20

5.2.2.8: Efforts Made to Promote Education & Knowledge Based Initiatives

Number of Beneficiaries	Number of Beneficiaries
10	20

5.2.2.9: Communication Facilities Provided to Local Communities

Number of Beneficiaries	Number of Beneficiaries
0	0

5.2.2.10: Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities

Number of Beneficiaries	Number of Beneficiaries
2	Nil

5.2.2.11: Adoption of ODF

Number of Toilets Built inside the Lease Area	Number of Toilets Built outside the Lease Area:	Number of Beneficiaries
0	10	10

5.2.2.12: Awareness Program among Mine Workers for Swatchata

Number of Swatchata Programmes Proposed	Number of Swatchata Programmes Held
2	4

5.2.2.13: Efforts for green energy

Total energy consumption (KWh)	Green energy consumption (% of total)
322685.71	100.00

5.2.2.14: Water & recycled use

Total water consumption (KLD)	Water recycled (% of total)
159.00	0.00

5.2.3: 2028-2029

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.3.1: Area to be Developed for Recreation	
Area (Ha)	Area (Ha)
0.00	0.00
5.2.3.2: Area for Water Storage & Recharge Facility	
Area (Ha)	Area (Ha)
0.00	0.00
5.2.3.3: Efforts Made towards Housing for Local Communities	
Number of Houses	Number of Houses
0	0
5.2.3.4: Efforts Made towards Providing Transport to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
20	60

5.2.3.5: Efforts Made towards Providing Healthcare to Local Communities

Number of Beneficiaries	Number of Beneficiaries
50	150

5.2.3.6: Efforts Made towards Providing Hygiene & Sanitation to Local Communities

Number of Beneficiaries	Number of Beneficiaries
10	30

5.2.3.7: Efforts Made towards Skill Development Programs to Local Communities

Number of Beneficiaries	Number of Beneficiaries
10	30

5.2.3.8: Efforts Made to Promote Education & Knowledge Based Initiatives

Number of Beneficiaries	Number of Beneficiaries
10	30

5.2.3.9: Communication Facilities Provided to Local Communities

Number of Beneficiaries	Number of Beneficiaries
0	0

5.2.3.10: Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities

Number of Beneficiaries	Number of Beneficiaries
2	6

5.2.3.11: Adoption of ODF

Number of Toilets Built inside the Lease Area	Number of Toilets Built outside the Lease Area:	Number of Beneficiaries
0	10	10

5.2.3.12: Awareness Program among Mine Workers for Swatchata

Number of Swatchata Programmes Proposed	Number of Swatchata Programmes Held
2	6

5.2.3.13: Efforts for green energy	
Total energy consumption (KWh)	Green energy consumption (% of total)
322685.71	100.00

5.2.3.14: Water & recycled use	
Total water consumption (KLD)	Water recycled (% of total)
159.00	0.00

5.2.4: 2029-2030

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.4.1: Area to be Developed for Recreation	
Area (Ha)	Area (Ha)
0.00	0.00

5.2.4.2: Area for Water Storage & Recharge Facility	
Area (Ha)	Area (Ha)
0.00	0.00

5.2.4.3: Efforts Made towards Housing for Local Communities	
Number of Houses	Number of Houses
0	0

5.2.4.4: Efforts Made towards Providing Transport to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
20	80

5.2.4.5: Efforts Made towards Providing Healthcare to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
50	200

5.2.4.6: Efforts Made towards Providing Hygiene & Sanitation to Local Communities		
Number of Beneficiaries		Number of Beneficiaries
10		40
5.2.4.7: Efforts Made towards Skill Development Programs to Local Communities		
Number of Beneficiaries		Number of Beneficiaries
10		40
5.2.4.8: Efforts Made to Promote Education & Knowledge Based Initiatives		
Number of Beneficiaries		Number of Beneficiaries
10		40
5.2.4.9: Communication Facilities Provided to Local Communities		
Number of Beneficiaries		Number of Beneficiaries
0		0
5.2.4.10: Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities		
Number of Beneficiaries		Number of Beneficiaries
2		8
5.2.4.11: Adoption of ODF		
Number of Toilets Built inside the Lease Area	Number of Toilets Built outside the Lease Area:	Number of Beneficiaries
0	10	10
5.2.4.12: Awareness Program among Mine Workers for Swatchata		
Number of Swatchata Programmes Proposed		Number of Swatchata Programmes Held
2		8
5.2.4.13: Efforts for green energy		
Total energy consumption (KWh)		Green energy consumption (% of total)
322685.71		100.00

5.2.4.14: Water & recycled use	
Total water consumption (KLD)	Water recycled (% of total)
159.00	0.00

5.2.5: 2030-2031

Details of Work Proposed during the Year / Measures Planned for the Affected Segment	Cumulative Work done / Measures Taken
5.2.5.1: Area to be Developed for Recreation	
Area (Ha)	Area (Ha)
0.00	0.00
5.2.5.2: Area for Water Storage & Recharge Facility	
Area (Ha)	Area (Ha)
0.00	0.00
5.2.5.3: Efforts Made towards Housing for Local Communities	
Number of Houses	Number of Houses
0	0
5.2.5.4: Efforts Made towards Providing Transport to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
20	80
5.2.5.5: Efforts Made towards Providing Healthcare to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
50	250
5.2.5.6: Efforts Made towards Providing Hygiene & Sanitation to Local Communities	
Number of Beneficiaries	Number of Beneficiaries
10	50

5.2.5.7: Efforts Made towards Skill Development Programs to Local Communities		
Number of Beneficiaries		Number of Beneficiaries
10		50
5.2.5.8: Efforts Made to Promote Education & Knowledge Based Initiatives		
Number of Beneficiaries		Number of Beneficiaries
10		50
5.2.5.9: Communication Facilities Provided to Local Communities		
Number of Beneficiaries		Number of Beneficiaries
0		0
5.2.5.10: Any Other Steps Taken for Improving the Socio-Economic Standard of Local Communities		
Number of Beneficiaries		Number of Beneficiaries
2		8
5.2.5.11: Adoption of ODF		
Number of Toilets Built inside the Lease Area	Number of Toilets Built outside the Lease Area:	Number of Beneficiaries
0	10	10
5.2.5.12: Awareness Program among Mine Workers for Swatchata		
Number of Swatchata Programmes Proposed		Number of Swatchata Programmes Held
2		2
5.2.5.13: Efforts for green energy		
Total energy consumption (KWh)		Green energy consumption (% of total)
322685.71		100.00
5.2.5.14: Water & recycled use		
Total water consumption (KLD)		Water recycled (% of total)
159.00		0.00

5.3: Rehabilitation & Resettlement of Affected Persons

Particular	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031
Proposed Number of Project Affected Persons(PAP)	0	0	0	0	0
Proposed Number of Person for Alternate Arrangement for Sustainable Livelihood	0	0	0	0	0
Proposed Number of Person for Skill Training	0	0	0	0	0
Proposed Number of Person Likely to get Direct Employment	0	0	0	0	0
Proposed Number of Person Likely to get Indirect Employment	0	0	0	0	0
Proposed Project Affected Families Skilled and Absorbed	0	0	0	0	0
Proposed Number of Project Affected Families	0	0	0	0	0

Chapter 6: Progressive Mine Closure Plan

6.1: Status of Land

Total Area Degraded					Total mined out area Reclaimed and Rehabilitated			Other Areas Reclaimed and Rehabilitated	
Total area under excavation in the lease		Area under Dumps(in hect)	Area under utility services(in hect)	Area under Stack yards(in hect)	Mined out Area Reclaimed but not rehabilitated(in hect)	Mined outArea fully Rehabilitated from Reclaimed area(in hect)	Area under Water Reservoir considered Rehabilitated (in hect)	Stabililized Waste dump Rehabilitated (in hect)	Virgin area under Green Belt (in hect)
Area under mining operation	Mined Out area in the lease								
16.99	7.37	0.00	34.06	11.45	1.99	5.57	0.00	3.20	0.48

6.2: Progressive Reclamation and Rehabilitation Plan

6.2.1: Backfilling

Quantity of Waste / Fill Material Available at Site (m³)	1986960.00
Availability of Top Soil for Spreading (m³)	11182.00
Proposed Spread Area (m²)	22363.00

6.2.1.1: Year Wise Proposal

SI.No	Year	Pit ID	Area (m²)	Top RL	Bottom RL	Estimated Expenditure (₹ INR)
1	2026-2027	Pit01	0.79	302	245	47358240.00
2	2027-2028	Pit01	0.96	302	248	58356000.00
3	2028-2029	Pit01	0.83	302	248	49439040.00

4	2029-2030	Pit01	0.68	302	248	39754560.00
5	2030-2031	Pit01	0.73	302	248	43527360.00

6.2.2: Water Reservoir

Average Rainfall of The Area (mm)	1092.00
Proposed Area under Water Storage	NA

6.2.2.1: Preparations For Ground Water Recharging

6.2.2.1.1: Drilling Holes	
Year	Proposed no of Holes to be Drilled
2026-2027	0.00
2027-2028	0.00
2028-2029	0.00
2029-2030	0.00
2030-2031	0.00

6.2.2.1.2:Preparation of Course Gravel Bed	
Year	Proposed Area of Bed (LxW)
2026-2027	0
2027-2028	0
2028-2029	0
2029-2030	0
2030-2031	0

Please specify, if others
Nil

6.2.2.2: Protective measures (Please specify running meter)

6.2.2.2.1: Fencing					
Year	Proposed Fencing Length (m)	Latitude(dd:mm:ss.ss)		Longitude(dd:mm:ss.ss)	
		From	To	From	To
2026-2027	0	Nil	Nil	Nil	Nil
2027-2028	0	Nil	Nil	Nil	Nil
2028-2029	0	Nil	Nil	Nil	Nil
2029-2030	0	Nil	Nil	Nil	Nil
2030-2031	0	Nil	Nil	Nil	Nil

6.2.2.2.2: Retaining Wall					
Year	Proposed Wall Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2026-2027	0	Nil	Nil	Nil	Nil
2027-2028	0	Nil	Nil	Nil	Nil
2028-2029	0	Nil	Nil	Nil	Nil
2029-2030	0	Nil	Nil	Nil	Nil
2030-2031	0	Nil	Nil	Nil	Nil

6.2.2.2.3: Garland Drains					
Year	Proposed Bund Length (m)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)	
		From	To	From	To
2026-2027	0	Nil	Nil	Nil	Nil
2027-2028	0	Nil	Nil	Nil	Nil
2028-2029	0	Nil	Nil	Nil	Nil
2029-2030	0	Nil	Nil	Nil	Nil

2030-2031	0	Nil	Nil	Nil	Nil
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6.2.3: Green Belt Development

6.2.3.1: Cumulative work done (upto end of previous block of five years)

SI.No	Total Expenditure Incurred up to Last Year (INR)	Area Covered (Ha)	Number of Plants	Survival Rate (%)
1	330800.00	1.33	3308	80.00

6.2.3.2: Year Wise Proposal

SI.No	Year	Green Belt Location (s)	Area Proposed to be Covered (Ha)	Number of Plants Proposed	Expected Survival Rate (%)	Estimated Expenditure (₹ INR)
1	2026-2027	E499170 N2717457	0.45	1125	80	112500
2	2027-2028	E499410 N2717473	0.31	775	80	77500
3	2028-2029	E499393 N2717444	0.50	1250	80	125000
4	2029-2030	E499296 N2717391	0.45	1125	80	112500
5	2030-2031	E499205 N2717379	0.30	750	80	75000

6.2.4: Use of Shallow Pits

6.2.4.1: Cumulative Work Done (upto end of previous block of five years)

SI.No	Pit ID	Work Done	Area covered (m²)	Total Expenditure Incurred (up to last five year block) (₹ INR)
1	NA	NA	0.00	Nil

6.2.4.2: Year Wise Proposal

SI.No	Year	Pit ID	Total Area(Ha)	Area Proposed for Crops (Ha)	Suitable Crops	Area Proposed for Grass (Ha)	Total Proposed Expenditure (₹ INR)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Remarks
								From	To	From	To	
1	Nil	NA	0.00	0.00	0	0.00	0.00	Nil	Nil	Nil	Nil	Nil

6.2.5: Pisciculture

6.2.5.1: Total Expenditure incurred as on Date (INR)	0.00
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6.2.5.2: Cumulative work done as on Date

SI.No	Pit ID	Area (m ²)	Expenditure (₹ INR)
1	NA	0.00	0.00

6.2.5.3: Year Wise Proposal

SI.No	Year	Pit ID	Area (m ²)	Estimated Expenditure (₹ INR)
1	Nil	NA	0.00	0.00

6.2.5.4: Source of Water for Pisciculture	Nil
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6.2.5.5: Whether the quality of water has been assessed & found to be suitable for Pisciculture	Yes
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6.2.6: Recreational Facility

6.2.6.1: Total Expenditure Incurred (up to last five year block) (INR)	0.00
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6.2.6.2: Cumulative work done as on Date

SI.No	Pit ID	Area (m ²)	Expenditure (₹ INR)
1	NA	0.00	0.00

6.2.6.3: Year Wise Proposal

SI.No	Year	Type of Recreational Facility	Area Covered (Ha)	Latitude (dd:mm:ss.ss)		Longitude (dd:mm:ss.ss)		Estimated Expenditure (INR)
				From	To	From	To	
1	2026-2027	NA	0.00	Nil	Nil	Nil	Nil	0.00
2	2027-2028	NA	0.00	Nil	Nil	Nil	Nil	0.00
3	2028-2029	NA	0.00	Nil	Nil	Nil	Nil	0.00
4	2029-2030	NA	0.00	Nil	Nil	Nil	Nil	0.00
5	2030-2031	NA	0.00	Nil	Nil	Nil	Nil	0.00

6.2.7: Dump Area Stabilization & Development

SI.No	Year	Dump ID	No of Terraces	Average Height of Terraces (m)	Length of Toe Wall (m)	Length of Garland Drain (m)	Area Stabilized (Ha)	Method of Stabilization	Estimated Expenditure (₹ INR)	No of Check Dams
1	Nil	NA	0	0.00	0.00	0.00	0.00	0	Nil	Nil

6.2.8: Other Form of Reclaiming the Area

6.2.8.1: Cumulative work done as on Date

SI.No	Total Expenditure incurred as on Date (INR)	Work Done
1	26809000.00	A mined-out area of 4.15 hectares has been backfilled and prepared for installation of a solar plant

6.2.8.2: Year Wise Proposal

SI.No	Year	Work Proposals	Estimated Expenditure (INR)
1	2026-2027	0	0.00
2	2027-2028	0	0.00
3	2028-2029	0	0.00
4	2029-2030	0	0.00
5	2030-2031	0	0.00

6.2.9: TopSoil Management

6.2.9.1: Cumulative Work Done as on Date

SI.No	Top Soil Generated (m³)	Top Soil Utilized (m³)	Topsoil Stored (m³)	Total expenditure incurred as on date (₹)
1	338400.00	338400.00	0.00	34099288.00

6.2.9.2: Year Wise Proposal

SI.No	Year	Topsoil Generated (m³) (A)	Topsoil Utilized (m³) (B)	Topsoil Stored (m³) (A-B)	Estimated Expenditure (INR)
1	2026-2027	0.00	0.00	0.00	0.00
2	2027-2028	0.00	0.00	0.00	0.00
3	2028-2029	0.00	0.00	0.00	0.00
4	2029-2030	0.00	0.00	0.00	0.00
5	2030-2031	0.00	0.00	0.00	0.00

6.2.10: Tailings Dam Management

SI.No	Year	Yearly generation	Total capacity of	Measures Proposed	Yearly Utilization	Disposal of Tailing	Tailing Dam Design	Structural Stability
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		of Tailing (m³) (A)	Tailing Pond (m³)	for Periodic Desilting	of Tailing (m³) (B)	to Tailing Pond (m³) (A-B)		Studies
1	2026-2027	0.00	0.00	0	0.00	0.00	Nil	Nil
2	2027-2028	0.00	0.00	0	0.00	0.00	Nil	Nil
3	2028-2029	0.00	0.00	0	0.00	0.00	Nil	Nil
4	2029-2030	0.00	0.00	0	0.00	0.00	Nil	Nil
5	2030-2031	0.00	0.00	0	0.00	0.00	Nil	Nil

6.2.11: Land Use of Lease Area at the Expiry of Lease Period

Total Area Degraded				Non Degraded area	Total mined out area Reclaimed and Rehabilitated			Other Areas Reclaimed and Rehabilitated			
Mined Out area in the lease	Area under Dumps(in hect)	Area under the Tailing Dam	Area under utility services(in hect)	Area undistur bed/virgin	Mined out Area Reclaimed but not rehabilitated(i n hect)	Mined outArea fully Rehabilitated from Reclaimed area(in hect)	Area under Water Reservoir considered Rehabilitated (in hect)	Stabililized Waste dump Rehabilitated (in hect)	Virgin area under Green Belt (in hect)	Rehabilitated Area under utility services(in hect)	Rehabilitated Area under Tailing dam (in hect)
29.314	0.00	0.00	4.75	0.00	0.00	21.02	13.04	3.20	2.27	26.78	0.00

Chapter 7: Financial Assurance/ Performance Surety (AREA PUT TO USE)

2026-2027

Consolidated View of Financial Assurance

SI.No	Particular	Area put to use at Start of Year (ha) (A)	Additional Requirement (ha) (B)	Total (ha) (C = A + B)
1	Area under Mining	16.92	0.00	16.92
2	Topsoil stacking	0.00	0.00	0.00
3	Overburden/Waste Dumping	3.20	0.00	3.20
4	Mineral Storage	11.45	0.00	11.45
5	Infrastructure (Workshop, Administrative Building etc.)	26.78	0.00	26.78
6	Roads	6.03	0.00	6.03
7	Railway	0.00	0.00	0.00
8	Tailing Pond	0.00	0.00	0.00
9	Effluent Treatment Plant	0.00	0.00	0.00
10	Mineral Separation Plant	0.00	0.00	0.00
11	Township Area	0.00	0.00	0.00
12	Others to specify	0.48	0.20	0.68
	Total	64.86	0.20	65.06

2027-2028

Consolidated View of Financial Assurance

SI.No	Particular	Area put to use at Start of Year (ha) (A)	Additional Requirement (ha) (B)	Total (ha) (C = A + B)
1	Area under Mining	16.92	0.00	16.92
2	Topsoil stacking	0.00	0.00	0.00
3	Overburden/Waste Dumping	3.20	0.00	3.20
4	Mineral Storage	11.45	0.00	11.45
5	Infrastructure (Workshop, Administrative Building etc.)	26.78	0.00	26.78
6	Roads	6.03	0.00	6.03
7	Railway	0.00	0.00	0.00
8	Tailing Pond	0.00	0.00	0.00
9	Effluent Treatment Plant	0.00	0.00	0.00
10	Mineral Separation Plant	0.00	0.00	0.00
11	Township Area	0.00	0.00	0.00
12	Others to specify	0.68	0.20	0.88
	Total	65.06	0.20	65.26

2028-2029

Consolidated View of Financial Assurance

SI.No	Particular	Area put to use at Start of Year (ha) (A)	Additional Requirement (ha) (B)	Total (ha) (C = A + B)
1	Area under Mining	16.92	0.00	16.92
2	Topsoil stacking	0.00	0.00	0.00
3	Overburden/Waste Dumping	3.20	0.00	3.20
4	Mineral Storage	11.45	0.00	11.45
5	Infrastructure (Workshop, Administrative Building etc.)	26.78	0.00	26.78

6	Roads	6.03	0.00	6.03
7	Railway	0.00	0.00	0.00
8	Tailing Pond	0.00	0.00	0.00
9	Effluent Treatment Plant	0.00	0.00	0.00
10	Mineral Separation Plant	0.00	0.00	0.00
11	Township Area	0.00	0.00	0.00
12	Others to specify	0.88	0.73	1.61
	Total	65.26	0.73	65.99

2029-2030

Consolidated View of Financial Assurance

Sl.No	Particular	Area put to use at Start of Year (ha) (A)	Additional Requirement (ha) (B)	Total (ha) (C = A + B)
1	Area under Mining	16.92	0.00	16.92
2	Topsoil stacking	0.00	0.00	0.00
3	Overburden/Waste Dumping	3.20	0.00	3.20
4	Mineral Storage	11.45	0.00	11.45
5	Infrastructure (Workshop, Administrative Building etc.)	26.78	0.00	26.78
6	Roads	6.03	0.00	6.03
7	Railway	0.00	0.00	0.00
8	Tailing Pond	0.00	0.00	0.00
9	Effluent Treatment Plant	0.00	0.00	0.00
10	Mineral Separation Plant	0.00	0.00	0.00
11	Township Area	0.00	0.00	0.00
12	Others to specify	1.61	0.22	1.83
	Total	65.99	0.22	66.21

2030-2031

Consolidated View of Financial Assurance

SI.No	Particular	Area put to use at Start of Year (ha) (A)	Additional Requirement (ha) (B)	Total (ha) (C = A + B)
1	Area under Mining	16.92	0.00	16.92
2	Topsoil stacking	0.00	0.00	0.00
3	Overburden/Waste Dumping	3.20	0.00	3.20
4	Mineral Storage	11.45	0.00	11.45
5	Infrastructure (Workshop, Administrative Building etc.)	26.78	0.00	26.78
6	Roads	6.03	0.00	6.03
7	Railway	0.00	0.00	0.00
8	Tailing Pond	0.00	0.00	0.00
9	Effluent Treatment Plant	0.00	0.00	0.00
10	Mineral Separation Plant	0.00	0.00	0.00
11	Township Area	0.00	0.00	0.00
12	Others to specify	1.83	0.22	2.05
	Total	66.21	0.22	66.43
	Grand Total			66.43

Financial Assurance

Financial Assurance

Category A Mining Lease

Total Area Proposed to be put to use in	Amount of Bank Gurantee (Lac INR)	Valid till (dd/mm/yyyy)	Upload copy of Bank Gurantee as attachment
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hect(Year 1 to 5)			
66.43	332.15	31/03/2026	PCL_66_BG.pdf

Category B Mining Lease

Sl.No	Total Area Proposed to be put to use in hect(Year 1 to 5)	Amount of Bank Gurantee (Lac INR)	Valid till (dd/mm/yyyy)	Upload copy of Bank Gurantee as attachment
1	Nil	Nil	Nil	Nil

Approved

Chapter 8: Review of Previous Proposals (Not applicable for fresh grant)

8.1: General

8.1.1: Lease Area Utilization

Sl. No.	Type of land use (in ha)	Area at the beginning of the proposal period	Area proposed under activity	Actual Area utilized in the proposal period	Deviation	Reasons for deviation
1	Mining	32.32	0.42	-16.50	-16.92	The mining area has been re-evaluated, and the mineral storage area and haulage road have been separated from it.
2	Mineral storage	0.00	0.00	11.45	11.45	The area of mineral storage, which was earlier included in the mining area, has now been separated and considered separately.
3	Mineral Beneficiation plant	0.00	0.00	0.00	0	No Deviation
4	Township	0.00	0.00	0.00	0	No Deviation
5	Tailing Pond	0.00	0.00	0.00	0	No Deviation
6	Railways	0.12	0.00	-0.12	-0.12	No Deviation the area used for the railway line has been included under other infrastructure.
7	Roads	2.00	0.00	6.03	6.03	Some haulage roads will be newly developed, and the existing roads in the

						mining area will be separated and rebuilt.
8	Infrastructure (Workshop, administrative building etc.)	0.00	0.00	26.78	26.78	The solar plant, AFR, and the area used for the plant are classified as other infrastructure
9	OB/waste dump	4.40	1.18	-1.20	-2.38	Deviation no new dump has been created. The solar field has been demarcated separately from the existing dump and incorporated into the infrastructure.
10	Top soil preservation	0.00	0.42	0.00	-0.42	The solar installation at the site has been carried out using conserved topsoil for land preparation.
11	Others	17.82	0.00	8.97	8.966	Under others to specify only the green belt area has been included, while the infrastructure area has been excluded.
12	Total area put to use	57.15	2.02	7.71	5.69	Infrastructure such as AFR facilities and solar installations has been developed in restricted and mined-out areas.
13	Excavated area reclaimed	0.00	0.00	0.00	0	No Deviation
14	Waste dump area reclaimed	0.00	0.00	0.00	0	No Deviation
15	Undisturbed Area	9.28	64.41	1.56	-62.85	All types of land use have been modified with proper justification, and any additional area utilized has been accounted for under

						infrastructure.
	Total	66.43	66.43	66.43	0	

8.1.2: SDF and CSR Expenditures

Activity	Proposals		Achievement	Deviation	Reasons for deviation
Total expenditure incurred for implementation of SDF at mine level including - Environment Protection - CSR & other welfare activities in peripheral area (Explanation: Expenditure is not over and above the statutory levies imposed by the Government; However, THIS EXCLUDES CONTRIBUTION TO DMF & NMET and is over and above the statutory levies imposed by the Government.)	10% of Royalty (a)	Total Expenditure for SDF implementation (b)			
CSR (Corporate Social Responsibility) spending at the mine level in Proposal Period (as per Companies Act, 2013 or otherwise)	76.01	1267.86	1267.86	0.00	No deviation

8.2: Technical Details

8.2.1: Exploration

Particulars	Proposals			Achievement			Deviation			Reasons for deviation
	Boreholes	Pits	Trenchs	Boreholes	Pits	Trenchs	Boreholes	Pits	Trenchs	
Number of	15	0	0	16	Nil	Nil	1	Nil	Nil	No Deviation

Boreholes/ Pits/ Trenches										
Boreholes Meterage (If Boreholes selected in first row) (m)	930			1082			152			No Deviation
Grid	200			200			0			No Deviation
G Axis upgradation during Proposal Period as per guidelines of MEMC Rule 2015)	1			1			0			No Deviation
Area converted under G1 from G2/G3	25.32			25.32			0			No Deviation

8.2.2: Mine Development (Opencast/ Underground/ Both/ Dump Mining)

Particulars	Proposals	Actual	Deviation	Reasons for deviation
8.2.2.1: Generation of Ore/Waste While Development				
Ore	1500027	1298745	-201282	No Deviation this actual data is from the previous mining plan period up to July 2025. Almost all the proposed targets will be achieved by March 2026.
Waste	1972427	1100176	-872251	No Deviation
Generated Waste while ROM recovery	0	0	0	No Deviation
Dumping Site (For Surface)	0	0	0	No Deviation
Removal of waste/ over burden in cubic meters	1972427	1100176	-872251	No Deviation

8.2.2.2: Excavation				
Lateral extent	484	466	-18	No Deviation Mine development is being carried out within the proposed area for the five-year plan period.
Vertical extent	238	210	-28	No Deviation Mine development is being carried out within the proposed area for the five-year plan period.

8.2.3: Mining operation: Dump Mining

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Handling of Material	0	0	0	No Deviation
Waste Generated post recovery	0	0	0	No Deviation
Dumping site for waste	0	0	0	No Deviation

8.2.4: Zero Waste Mining

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Alternative use / Disposal of Waste Generated (excluding top soil)	0.00	0.00	0.00	No Deviation

8.2.5: Backfilling

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
Site (Co-ordinates)	PIt -01 499347.21E 2717441.78N	Pit-01 499197.52E 2717145.89N	Pit-01, 499347.21E 2717441.78N	Deviation, The proposed backfilling was planned after the excavation of the second band of limestone. However, actual backfilling was carried out in two locationsone after the excavation of the first band of limestone and the other after the excavati

Area	3.87	3.90	0	Justification is given in the above paragraph
Depth	55	25	-30	Justification is given in the above paragraph
Volume Backfilled (CuM)	1836002	1374600	-461402	Justification is given in the above paragraph
Backfilled Area available for Reclamation and Rehabilitation	6.39	1.95	-4	Justification is given in the above paragraph
Backfilled Area Reclaimed and Rehabilitated	3.87	2.86	-1	Justification is given in the above paragraph
Balance Backfilled Area	2.52	0.91	-1	Justification is given in the above paragraph

8.2.6: Production of Mineral(s)

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
8.2.6.1: ROM				
Opencast	1500027.0000	1298745.0000	-201282.0000	No Deviation production has been done as per the proposed limestone production capacity. The proposed year 2025-26 is also being made in line with the current production.
8.2.6.2: Cleaned Ore				
Opencast	0.0000	0.0000	0.0000	No Deviation
Dump Mining	0.0000	0.0000	0.0000	No Deviation
Recovery from Mineral Rejects or Tailings	0.0000	0.0000	0.0000	No Deviation
Total	0.0000	0.0000	0.0000	No Deviation

8.2.7: Handling of Mineral Rejects/ Sub-Grade

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
-------------	-----------	-------------	-----------	-----------------------

Generation of mineral rejects				
Opencast	0	0	0	No Deviation
Dump Mining	0	0	0	No Deviation
Other recovery	0	0	0	No Deviation
Stacking of mineral rejects/ sub-grade mineral (Dump Id)	0	0	0	No Deviation
Blending of mineral reject / sub-grade	0	0	0	No Deviation

8.2.8: Environment Compliances

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
8.2.8.1: Top soil				
Generation	20860	11284	-9576	Deviation, In 2021-22, due to less topsoil availability at the proposed site, it was stored in a dump and later spread up to 1 m over the backfilled area after limestone exhaustion.
Utilization	20860	11284	-9576	This has been justified in the preceding paragraph.
Stacking (Dump Id)	TS01	TS-01	0	No Deviation
Reclamation	20860	11284	-9576	This has been justified in the preceding paragraph.
Rehabilitation	20860	11284	-9576	This has been justified in the preceding paragraph.
8.2.8.2: Afforestation (Dumps/Benches/Backfilled Area etc.)				
2021 - 2022	0	0	0	Nil
2022 - 2023	0	0	0	Nil

2023 - 2024	500	0	-500	The proposed backfilled plantation area has not yet matured.
2024 - 2025	500	0	-500	The proposed backfilled plantation area has not yet matured.
2025 - 2026	500	0	-500	The proposed backfilled plantation area has not yet matured.
8.2.8.3: Afforestation (Green Belt)				
2021 - 2022	500	500	0	No Deviation
2022 - 2023	500	888	388	No Deviation
2023 - 2024	0	500	500	No Deviation
2024 - 2025	0	1420	1420	No Deviation
2025 - 2026	0	500	500	No Deviation
Construction of check dams	0	0	0	No Deviation
Construction of Garland Drain (in meter)	0	0	0	No Deviation
Construction of Retaining Walls (in meter)	0	0	0	No Deviation
8.2.8.4: Tailings				
Generation	0	0	0	No Deviation
Utilization	0	0	0	No Deviation
Disposal	0	0	0	No Deviation

8.3: Socio-Economic Review

8.3.1: Rehabilitation & Resettlement for Project Affected People

Particulars	Proposals	Achievement	Deviation	Reasons for deviation
-------------	-----------	-------------	-----------	-----------------------

No. of Project Affected People (PAP)	0.0000	0.0000	0.0000	No Deviation The proposed limestone production of the mine was planned on land owned by the company.
%age of PAP for whom alternate arrangements made for sustained livelihood	0.0000	0.0000	0.0000	No Deviation
% of project affected families given employment	0.0000	0.0000	0.0000	No Deviation
% of project affected families who have been skilled by the lessee and absorbed (% of total employment given to affected families)	0.0000	0.0000	0.0000	No Deviation

8.3.2 : Grievance Redressal

Grievances Received	2021 - 2022	2022 - 2023	2023 - 2024	2024 - 2025	2025 - 2026
	0	0	0	0	0
Grievances Redressed	0	0	0	0	0

8.3.3: Welfare and socio-economic development programs for local communities

Particulars	2021 - 2022	2022 - 2023	2023 - 2024	2024 - 2025	2025 - 2026
8.3.3.1 Support for Drinking Water & Agriculture					
No. of Water Storage Tanks constructed	0	0	0	2	0
Drinking Water Facilities provided (Bore wells/ Pumps etc.)	1	0	1	0	1
Irrigation Support provided (Canals/ Pumps etc.)	0	0	0	0	0
No. of Water tanks De-silted	0	0	2	0	0
Water Treatment facilities provided (A/NA)	0	0	0	0	0

Amount of Water treated (in kL) (if selected A in above)	0	0	0	0	0
8.3.3.2 Support to Health & Medical Services					
No. of persons identified from Occupational health diseases	136	125	15	173	250
No. of Health Camps/ Medicine Camps Organized	2	3	1	2	2
8.3.3.3 Support to Skill development & Education					
Vocational Training Provided/ Support Provided					
No. of employees undergone Vocational training	150	10	50	33	40
No. of other persons undergone Vocational training	20	50	30	50	50
Number of Literacy & Education Camps held/ Supported	200	111	314	36	200
8.3.3.4 Support to Transportation Services & Infrastructure					
Expenditure on Transportation Services & Infrastructure	200000	200000	127000	90000	100000
Road development (m) in the peripheral area (not lease area)	0	1	1	1	1
No. of Public transport support provided (Ambulance/Buses/ School Vans etc)	0	0	0	0	0
8.3.3.5 Swatchata Programs: Creating/providing sanitation and healthy condition in and around the mine area					
Adoption of ODF within mining lease area					
No. of Toilets built in the Lease Area	2	0	0	0	0
Adoption of ODF in nearby villages					
No. Of Toilets built in the villages	20	0	10	0	2

Provision for greenage recreational facility (Within Lease Area/ Outside)					
Recreational Area Type (Picnic Spot/ tracks/Park Etc)	0	0	0	0	0
Area covered (For within Lease Area only)	0	0	0	0	0
Awareness program among Mine workers for Swatchata					
No. of Swatchhta Programmes held	1	1	1	1	1

Approved

Chapter 9 : Impact Assessment (NA)

Approved

Chapter 10: Annexures

1. Upload Document

1.1 Upload Document

Sl.No.	Title	Is Upload	Document (only pdf allowed)
1	Letter of Intent /Letter of lease grant	Nil	Annexure-1 Letter of Lease Grant.pdf
2	Copy of lease deed executed	Nil	Annexure-2 Copy of Lease Deed Executed.pdf
3	Copy of Declaration of Owner/Nominated Owner in case of Company/partnership firm	Nil	Annexure-3 Copy of Declaration of Nominated Owner.pdf
4	ID & Address Proof of Owner/ Nominated Owner	Nil	Annexure-4 ID & Address Proof of Nominated Owner .pdf
5	Copy of Environment and Forest Clearence, Consent to Establish, Consent to Operate	Nil	Annexure-5 Copy of EC, CTE & CTO.pdf
6	Copy of Registration of Company (RoC)/Partnership firm (Registration) & Deed	Nil	Annexure-6 Copy of Registration of Company(RoC).pdf
7	Consent letter for Qualified Person	Nil	Annexure-7 Consent Letter for QP.pdf
8	Experience & Qualification Details of Qualified Person	Nil	Annexure-8 Experience and Qualification Details of QP.pdf
9	Certificate from QP	Nil	Annexure-9 Certificate From QP.pdf
10	Copy of Bank Guarantee	Nil	PCL_66_BG.pdf
11	Copy of Performance Surety	Nil	Nil
12	Copy of MDPA (as applicable)	Nil	Nil
13	Exploration details	Nil	Exploration Annexure.pdf
14	Copy of feasibility Report	Nil	Combind GR and Fesibility report.pdf

15	Copy of Study reports conducted as per Para 4.3.1	Nil	Studies_Report.pdf
16	Chemical and Mineralogical analysis report	Nil	NABI_66434_BH_Analysis.pdf
17	Any other Report or Certification as required in the submitted Document.	Nil	Nil
18	Copy of Scale relaxation approval granted(if applicable)	No	Nil
19	Mineral processing flowsheet with stage wise recovery	Nil	Annexure-19_Mineral_Processing_Flowsheet.pdf
20	Any Other (1)	Yes	Annexure_20.pdf
21	Any Other (2)	Nil	Nil

Chapter 11: Plates (OC)

1. Upload Document

1.1 Upload Document

S.N.	Title	Is Upload	Document
1	Lease sketch plan;	Nil	Lease Plan Mankahari.pdf
2	Surface Plan (.KMZ format)(Georeferenced); A statutory plan as per MCDR, 2017. The Plan should be submitted showing different color codes for:(1) Active Pits & Excavation area(2) Excavated area reclaimed & rehabilitated (3)Active dumps (4) Stabilized & rehabilitated dump area , (5) Green belt (6) Mineral Stacks (7) Utilities such as plant, buildings etc (8) Lease boundary along with other details.)	Nil	Surface Plan 66 434.kmz
3	Surface Geological Plan of the lease (.KMZ format)(Georeferenced); The Plan should be submitted showing different color codes for : (1) Lithological/Geological Occurance (2) Area under G1,G2,G3 & G4 (3) Active pits & Excavation area (4) Dump Area (5) Mineral Stacks (6) Lease boundary along with other details.)	Nil	Geological Plan 66434.kmz
4	Surface Geological sections (in Pdf format); Geological sections with different color coding depicting all the features shown in Surface Geological Plan.)	Nil	Surface Geological_SECTION_66434.pdf
5	Five year Production and Development plan (.KMZ format)(Georeferenced); The Plan should be submitted showing different color coding for: (1) Active Pit and Excavation area ,	Nil	Production Plan 2026-2031.kmz

	(2) Year wise excavation proposal for year I to V (3) Active dump and yearwise dump proposal for year I to V (4) Year wise Dump working proposal for year I to V (6) Lease boundary (with reference to chapter 4) along with other details.)		
6	Five year Production and Development sections (in pdf format); Year wise excavation and dumping proposals with different color coding depicting all the features as shown in the Five year Production and development plan.)	Nil	WORKING_SECTION_66434.pdf
7	Progressive Mine Closure Plan (.KMZ format)(Georeferenced); The Plan should be submitted showing different color coding for : (1) Yearwise excavated area Reclaimed & rehabilitated for year I to V (2) Year wise dump area to be stabilized and dump area to be rehabilitatd for year I to V (3) Year wise Green area proposed from year I to V.(4) Any other reclamation and rehabilitation measures proposed.(5) Lease boundary (with reference to chapter 6) along with other details.)	Nil	PMCP_Plan_66_434.kmz
8	Progressive mine Closure sections (in pdf format); Year wise Progressive mine clouser sections showing all the yearwise reclamation, rehabilitaion proposals as depicted in the Progessive mine clouser plan.)	Nil	PMCP_SECTION_66434.pdf
9	Conceptual Plan (.KMZ format)(Georeferenced); The Plan should depict the staus of lease area as envisaged at the end of life of Mine showing all the details. Status of land use shall be depicted by different color coding.)	Nil	Conceptual_Plan_66_434.kmz
10	Conceptual Sections (pdf) format;	Nil	CONCEPTUAL_SECTION_66434.pdf
11	Geo referenced Cadastral Plan; Duly certified by the State Government)	Nil	CADASTRAL_PLAN- 66_434.pdf
12	Financial Assurance Plan (KMZ);	Nil	FA_Map_2025.kmz

13	Environmental Plan (.KMZ format)(Georeferenced); As per MCDR, 2017 indicating all the details.)	Nil	Environment Plan 66_434.kmz
14	Any other plan/section as deemed necessary by approving authority;	Yes	All Plan.pdf
15	Five Year Production and Development sections (in pdf format);	Yes	WORKING SECTION 66434.pdf
16	LEVEL WISE SLICE PLAN; LEVEL WISE SLICE PLAN (PDF FORMAT IN VISIBLE SCALE))	No	Nil
17	Zipped shp file of the lease boundary; Upload a single zipped file of the lease boundary)	Nil	Lease Boundary PCL_66_434.zip
18	Zipped shp file of the boundary pillars; Enter a single zipped file of the boundary pillars.)	Nil	DGPS Point 66.zip
19	Zipped shp file of the Production and Development plan for respective proposal year - 2026-2027; Upload a zipped shape file indicating a separate production and development plan for each respective proposal year)	Nil	Production 2026_27.zip
20	Zipped shp file of the Production and Development plan for respective proposal year - 2027-2028; Upload a zipped shape file indicating a separate production and development plan for each respective proposal year)	Nil	Production 2027_28.zip
21	Zipped shp file of the Production and Development plan for respective proposal year - 2028-2029; Upload a zipped shape file indicating a separate production and development plan for each respective proposal year)	Nil	Production 2028_29.zip
22	Zipped shp file of the Production and Development plan for respective proposal year - 2029-2030; Upload a zipped shape file indicating a separate production and	Nil	Production 2029_30.zip

	development plan for each respective proposal year)		
23	Zipped shp file of the Production and Development plan for respective proposal year - 2030-2031; Upload a zipped shape file indicating a separate production and development plan for each respective proposal year)	Nil	Production_2030_31.zip
24	Zipped shp file of the Dump plan for respective proposal year - 2026-2027; Upload zipped file of the dump plan separately for each respective proposal year)	Nil	Nil
25	Zipped shp file of the Dump plan for respective proposal year - 2027-2028; Upload zipped file of the dump plan separately for each respective proposal year)	Nil	Nil
26	Zipped shp file of the Dump plan for respective proposal year - 2028-2029; Upload zipped file of the dump plan separately for each respective proposal year)	Nil	Nil
27	Zipped shp file of the Dump plan for respective proposal year - 2029-2030; Upload zipped file of the dump plan separately for each respective proposal year)	Nil	Nil
28	Zipped shp file of the Dump plan for respective proposal year - 2030-2031; Upload zipped file of the dump plan separately for each respective proposal year)	Nil	Nil
29	Other Zip File for UG Mines - 2026-2027; Zipped file containing stope and ore boundary, block model, and boreholes in any ore modelling software (.dm, .gmdl, .ddd))	No	Nil
30	Other Zip File for UG Mines - 2027-2028; Zipped file containing stope and ore boundary, block model, and boreholes in any ore modelling software (.dm, .gmdl, .ddd))	No	Nil

31	Other Zip File for UG Mines - 2028-2029; Zipped file containing stope and ore boundary, block model, and boreholes in any ore modelling software (.dm, .gmdl, .ddd))	No	Nil
32	Other Zip File for UG Mines - 2029-2030; Zipped file containing stope and ore boundary, block model, and boreholes in any ore modelling software (.dm, .gmdl, .ddd))	No	Nil
33	Other Zip File for UG Mines - 2030-2031; Zipped file containing stope and ore boundary, block model, and boreholes in any ore modelling software (.dm, .gmdl, .ddd))	No	Nil

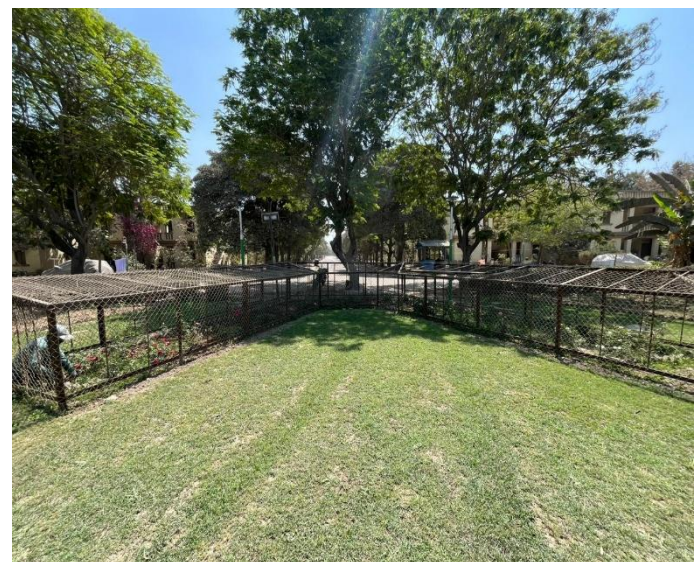
Chapter 11 : Plates(UG) : NA

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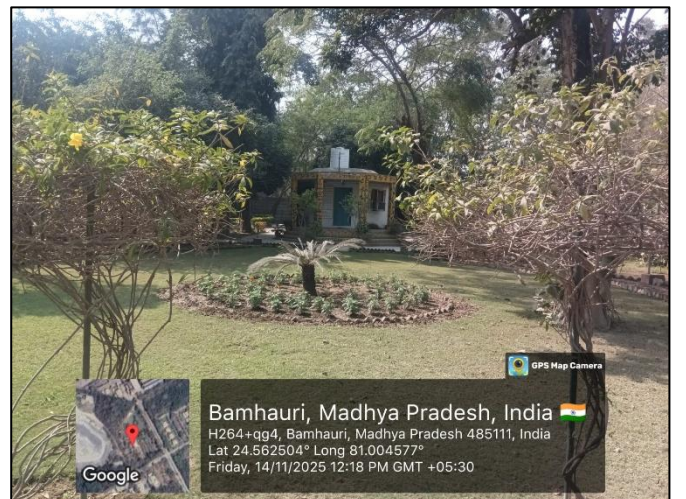
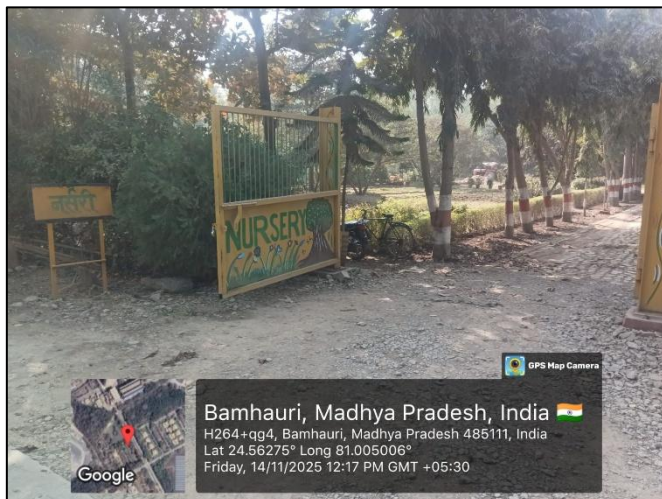
Annexure 2A

Year-wise plantation of 66.434 Ha ML			
S. No.	Year	Number of Plants planted	Greenbelt/ Colony/ CSR
1	2001-02	1132	0
2	2002-03	1937	449
3	2003-04	3522	4387
4	2004-05	982	571
5	2005-06	739	0
6	2006-07	1300	0
7	2007-08	720	600
8	2008-09	1104	4000
9	2009-10	1000	2330
10	2010-11	1640	7258
11	2011-12	1400	3698
12	2012-13	800	3100
13	2013-14	680	2740
14	2014-15	1600	2566
15	2015-16	1000	3200
16	2016-17	1000	37876
17	2017-18	1000	10000
18	2018-19	1000	15000
19	2019-20	1000	43364
20	2020-21	1000	35944
21	2021-22	500	14468
22	2022-23	888	11686
23	2023-24	500	3036
24	2024-25	1420	10081
25	2025-26	520	35424
Total		28384	251778

Annexure 2B: Photographs of Rose Garden



Annexure: 2C Photographs of Nursery



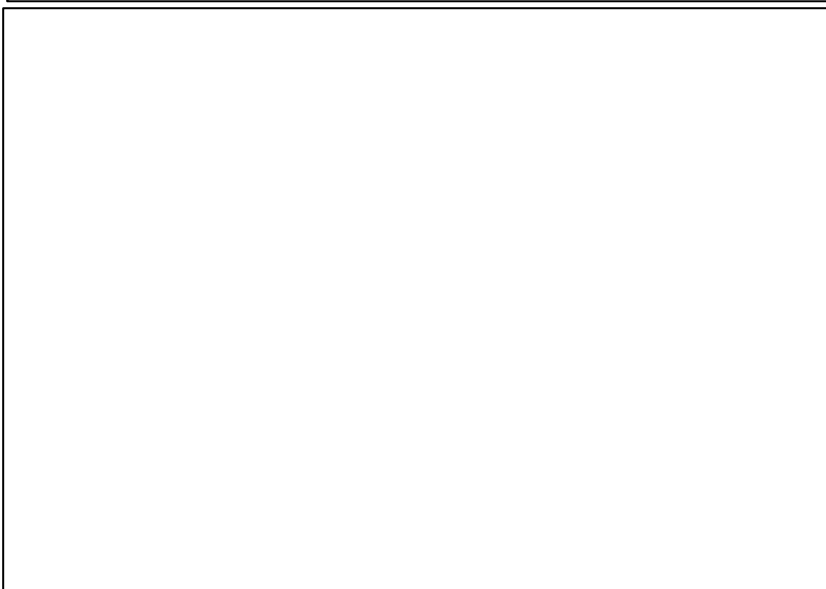
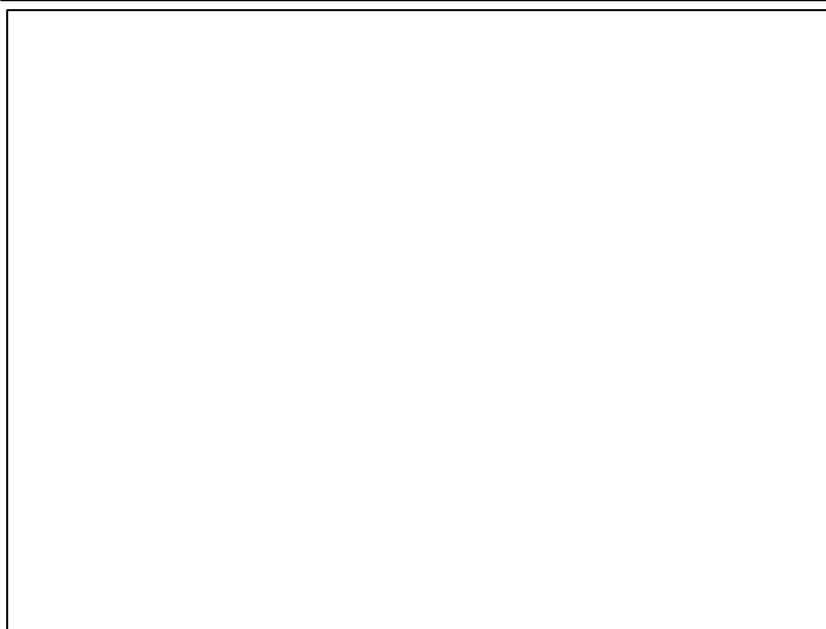
Annexure: 3 Photographs of the water sprinkler system installed on the drilling machine



Annexure 4: Photographs of siltation pond & Garland



Annexure 4: Photographs of siltation pond & Garland





J.M. ENVIROLAB PVT. LTD.

30 years of success Recognized by CPCB under EP Act-1986, Certified by ISO-9001:2015, 14001:2015 & 45001:2018

TEST REPORT

Name & Address of Unit: **M/s. Prism Johnson Limited.**
(Unit- Cement Division) At Village- Mankahari,
PO- Bathia, Dist-Satna, Madhya Pradesh.

Report No.: **JME/WL/251211101-111/N**
Ref. No.: **Nil**
Date of Reporting: **15/12/2025**
Receipt Date: **11/12/2025**
Sample collected by: **JMELPL Team**
Sampling Protocol: **IS 15896**

Sample Description: **Ground Water Level Monitoring**
Client Representative **Mr. Sumitabh Dwivedi**
(Name & Designation): **(Assistant General Manager- Environment)**

GROUND WATER LEVEL (IN METERS)

S. No.	Location	Date of Monitoring	Type of Well	Water Level (m bgl)
1.	Near Colony Gate	09/12/2025	Piezo Well	15.2
2.	Front of Den	09/12/2025	Piezo Well	5.8
3.	Behind B-Block Colony	09/12/2025	Piezo Well	19.3
4.	Behind C-Block colony	09/12/2025	Piezo Well	3.4
5.	New Magazine Mines	09/12/2025	Piezo Well	15.1
6.	Ramprasan Mines	09/12/2025	Piezo Well	13.16
7.	Western Block Mines	09/12/2025	Piezo Well	9.24
8.	Medhi Mine's	09/12/2025	Piezo Well	10.14
9.	Near Auto Work Shop	09/12/2025	Piezo Well	17.6
10.	Badarkha Mines	09/12/2025	Piezo Well	12.5

Page.1 of 1

Checked by
Dharmender Singh



Reviewed & Authorized by
Pallavi Verma

Note:

1. This test report pertains solely to the tested sample as received.
2. This report shall not be reproduced without in full.
3. Any discrepancies in this test report must be brought to our attention within 7 days from the date of issue.
4. The sample will be destroyed after the specified retention period unless prior instructions are received.
5. All disputes are subject to the exclusive jurisdiction of Gurugram only.

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Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
Ext. Road, Sector-61, Gurugram-122011(Haryana)

****End of Report****

J.M. ENVIROLAB PVT. LTD.

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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



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TEST REPORT

Name & Address of Unit: **M/s. Prism Johnson Limited.
(Unit- Cement Division) At Village- Mankahari,
PO- Bathia, Dist-Satna, Madhya Pradesh.**

Report No.: **JME/WL/260318101-111/N**Ref. No.: **Nil**Date of Reporting: **20/03/2026**Receipt Date: **18/03/2026**Sample Description: **Ground Water Level Monitoring**Sample collected by: **JMELPL Team**Client Representative **Mr. Sumitabh Dwivedi**
(Name & Designation): **(Assistant General Manager- Environment)**Sampling Protocol: **IS 15896**

GROUND WATER LEVEL (IN METERS)

S. No.	Location	Date of Monitoring	Type of Well	Water Level (m bgl)
1.	Near Colony Gate	17/03/2026	Piezo Well	30.9
2.	Front of Den	17/03/2026	Piezo Well	7.4
3.	Behind B-Block Colony	17/03/2026	Piezo Well	26.7
4.	Behind C-Block colony	17/03/2026	Piezo Well	7.6
5.	New Magazine Mines	17/03/2026	Piezo Well	16.2
6.	Ramprasan Mines	17/03/2026	Piezo Well	17.4
7.	Western Block Mines	17/03/2026	Piezo Well	dry
8.	Medhi Mine's	17/03/2026	Piezo Well	16.2
9.	Near Auto Work Shop	17/03/2026	Piezo Well	19.6
10.	Badarkha Mines	17/03/2026	Piezo Well	34.3

Page.1 of 1

Abhishek
Checked by
Abhishek Tiwari



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Pallavi Verma

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****End of Report****



J.M. ENVIROLAB PVT. LTD.



TC-6821

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TEST REPORT

Sample Number: JME/PJCL/W/09
Name & Address of Unit: M/s. Prism Johnson Limited
 Limestones Mines
 Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna
 Madhya Pradesh
Sample Description: Ground Water
Sampling Location: Village Mankahari hand pump
Client Representative (Name & Designation): Mr. Sumitabh Dwivedi
 (Assistant General Manager- Environment)
Sample collected by: JMELPL Team
Parameter Required: As per work order
Latitude: 24° 33' 38" N
Longitude: 81° 0' 3" E
Sampling Protocol: JMELPL/STOP/04

Report No.: JME/W/260101116
Format No.: 7.8 F-01
Party Reference: NIL
Reporting Date: 08/01/2026
Analysis Completion Date: 08/01/2026
Analysis Start Date: 01/01/2026
Receipt Date: 01/01/2026
Sampling Date: 31/12/2025
Sampling Type: Grab
Preservation: Refrigerated
Packing Status: Temporary Sealed
Environmental Condition During Sampling: Temp. 20°C; Clear Sky
Sample Quantity: Approx. 5.0 Litre

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	6.99	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
4.	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU	1	5
6.	Total Hardness as CaCO ₃	IS:3025 (Part-21)	1052.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	245.0	mg/l	75	200
8.	Magnesium	IS:3025 (Part-46)	107.0	mg/l	30	100
9.	Chloride as Cl	IS:3025 (Part-32)	221.0	mg/l	250	1000
10.	Alkalinity as CaCO ₃	IS:3025 (Part-23)	297.0	mg/l	200	600
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l	0.2	1.0
12.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
13.	Total Dissolved Solid	IS:3025 (Part-16)	1494.0	mg/l	500	2000
14.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO ₄ -E	645.0	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.57	mg/l	1	1.5
16.	Nitrate Nitrogen as NO ₃	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	15.34	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.48	mg/l	1	No Relaxation

Checked by
Dharmender Singh

Page 1 of 3

Reviewed & Authorized by
Pallavi Verma

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J.M. ENVIROLAB PVT. LTD.

CIN No. :U74220HR2011PTC085756



TC-6821

30 years of success Recognized by CPCB under EP Act-1986, Certified by ISO-9001:2015, 14001:2015 & 45001:2018

TEST REPORT

Sample Number: JME/PJCL/W/09

Report No.: JME/W/260101116

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
18.	Phenols	APHA 24th Edition 5530-Phenol-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
19.	Anionic Surfactant	APHA 24th Edition, 5540-C	BDL (DL 0.02)	mg/l	0.2	1
20.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	-	-
21.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l	0.5	2.4
22.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
23.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
24.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
25.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
29.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
30.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5

Note: BDL- Below Detection Limit, DL- Detection Limit

Page 2 of 3

Checked by
Dharmender Singh



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TEST REPORT

Sample Number: **JME/PJCL/W/09**
 Name & Address of Unit: **M/s. Prism Johnson Limited**
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna
Madhya Pradesh
 Sample Description: **Ground Water**
 Sampling Location: **Village Mankahari hand pump**
 Client Representative: **Mr. Sumitabh Dwivedi**
 (Name & Designation): **(Assistant General Manager- Environment)**
 Sample collected by: **JMELPL Team**
 Parameter Required: **As per work order**
 Latitude: **24° 33' 38" N**
 Longitude: **81° 0' 3" E**
 Sampling Protocol: **JMELPL/STOP/04**

Report No.: **JME/W/260101116**
 Format No.: **7.8 F-01**
 Party Reference: **NIL**
 Reporting Date: **08/01/2026**
 Analysis Completion Date: **08/01/2026**
 Analysis Start Date: **01/01/2026**
 Receipt Date: **01/01/2026**
 Sampling Date: **31/12/2025**
 Sampling Type: **Grab**
 Preservation: **Refrigerated**
 Packing Status: **Temporary Sealed**
 Environmental Condition: **Temp. 20°C; Clear**
 During Sampling: **Sky**
 Sample Quantity: **Approx. 250 ml**

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012
1.	Total Coliform	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample
2.	E-Coli	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample

Page 3 of 3

Checked by
Vineet Kumar

Reviewed & Authorized by
Kumari Bhumiika

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End of Report



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TEST REPORT

Sample Number:	JME/PJCLW/15	Report No.:	JME/W/260101117
Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Format No.:	7.8 F-01
		Party Reference:	NIL
Sample Description:	Ground Water	Reporting Date:	08/01/2026
Sampling Location:	Prism LS Mine Drinking Ground Water (Site office)	Analysis Completion Date:	08/01/2026
Client Representative (Name & Designation):	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Analysis Start Date:	01/01/2026
Sample collected by:	JMELPL Team	Receipt Date:	01/01/2026
Parameter Required:	As per work order	Sampling Date:	31/12/2025
Latitude:	24° 34' 33" N	Sampling Type:	Grab
Longitude:	81° 59' 51" E	Preservation:	Refrigerated
Sampling Protocol:	JMELPL/STOP/04	Packing Status:	Temporary Sealed
		Environmental Condition During Sampling:	Temp. 20°C; Clear Sky
		Sample Quantity:	Approx. 5.0 Litre

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.85	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
4.	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU	1	5
6.	Total Hardness as CaCO ₃	IS:3025 (Part-21)	445.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	113.0	mg/l	75	200
8.	Magnesium	IS:3025 (Part-46)	39.66	mg/l	30	100
9.	Chloride as Cl	IS:3025 (Part-32)	65.12	mg/l	250	1000
10.	Alkalinity as CaCO ₃	IS:3025 (Part-23)	283.0	mg/l	200	600
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l	0.2	1.0
12.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
13.	Total Dissolved Solid	IS:3025 (Part-16)	644.0	mg/l	500	2000
14.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO ₄ -E	108.0	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.49	mg/l	1	1.5
16.	Nitrate Nitrogen as NO ₃	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	1.15	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.20	mg/l	1	No Relaxation


Checked by
Dharmender Singh



Reviewed & Authorized by
Pallavi Verma

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TC-6821

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TEST REPORT

Sample Number: JME/PJCL/W/15

Report No.: JME/W/260101117

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
18.	Phenols	APHA 24th Edition 5530-Phenol-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
19.	Anionic Surfactant	APHA 24th Edition, 5540-C	BDL (DL 0.02)	mg/l	0.2	1
20.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	-	-
21.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l	0.5	2.4
22.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
23.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
24.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
25.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
29.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
30.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5

Note: BDL- Below Detection Limit, DL- Detection Limit

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TC-6821

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TEST REPORT

Sample Number:	JME/PJCLW/15	Report No.:	JME/W/260101117
Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Format No.:	7.8 F-01
		Party Reference:	NIL
		Reporting Date:	08/01/2026
		Analysis Completion Date:	08/01/2026
Sample Description:	Ground Water	Analysis Start Date:	01/01/2026
Sampling Location:	Prism LS Mine Drinking Ground Water (Site office)	Receipt Date:	01/01/2026
Client Representative (Name & Designation):	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Sampling Date:	31/12/2025
Sample collected by:	JMELPL Team	Sampling Type:	Grab
Parameter Required:	As per work order	Preservation:	Refrigerated
Latitude:	24° 34' 33" N	Packing Status:	Temporary Sealed
Longitude:	81° 59' 51" E	Environmental Condition During Sampling:	Temp. 20°C; Clear Sky
Sampling Protocol:	JMELPL/STOP/04	Sample Quantity:	Approx. 250 ml

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012
1.	Total Coliform	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample
2.	E-Coli	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample

Page 3 of 3

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Vineet Kumar

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End of Report



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TEST REPORT

Sample Number:	JME/PJCLW/09	Report No.:	JME/W/260318116
Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh Ground Water	Format No.:	7.8 F-01
		Party Reference:	NIL
Sample Description:		Reporting Date:	24/03/2026
Sampling Location:	Village Mankahari hand pump	Analysis Completion Date:	24/03/2026
Client Representative (Name & Designation):	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Analysis Start Date:	18/03/2026
Sample collected by:	JMELPL Team	Receipt Date:	18/03/2026
Parameter Required:	As per work order	Sampling Date:	17/03/2026
Latitude:	24° 33' 38" N	Sampling Type:	Grab
Longitude:	81° 0' 3" E	Preservation:	Refrigerated
Sampling Protocol:	JMELPL/STOP/04	Packing Status:	Temporary Sealed
		Environmental Condition During Sampling:	Ambient Temp. 32°C; Clear Sky
		Sample Quantity:	Approx. 5.0 Litre

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.06	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
4.	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU	1	5
6.	Total Hardness as CaCO ₃	IS:3025 (Part-21)	1047.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	241.0	mg/l	75	200
8.	Magnesium	IS:3025 (Part-46)	108.0	mg/l	30	100
9.	Chloride as Cl	IS:3025 (Part-32)	224.0	mg/l	250	1000
10.	Alkalinity as CaCO ₃	IS:3025 (Part-23)	306.0	mg/l	200	600
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l	0.2	1.0
12.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
13.	Total Dissolved Solid	IS:3025 (Part-16)	1508.0	mg/l	500	2000
14.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO ₄ -E	649	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.61	mg/l	1	1.5
16.	Nitrate Nitrogen as NO ₃	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	14.88	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.45	mg/l	1	No Relaxation

Page 1 of 3

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Abhishek Tiwari

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Rajavi Verma

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TEST REPORT

Sample Number: **JME/PJCL/W/09**Report No.: **JME/W/260318116**

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
18.	Phenols	APHA 24th Edition 5530-Phenol-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
19.	Anionic Surfactant	APHA 24th Edition, 5540-C	BDL (DL 0.02)	mg/l	0.2	1
20.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	-	-
21.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l	0.5	2.4
22.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
23.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
24.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
25.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
29.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
30.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5

Note: BDL- Below Detection Limit, DL- Detection Limit

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Abhishek Tiwari


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TEST REPORT

Sample Number: **JME/PJCL/W/09**
 Name & Address of Unit: **M/s. Prism Johnson Limited**
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna
Madhya Pradesh
Ground Water
 Sample Description: **Village Mankahari hand pump**
 Sampling Location: **Mr. Sumitabh Dwivedi**
 Client Representative (Name & Designation): **(Assistant General Manager- Environment)**
 Sample collected by: **JMELPL Team**
 Parameter Required: **As per work order**
 Latitude: **24° 33' 38" N**
 Longitude: **81° 0' 3" E**
 Sampling Protocol: **JMELPL/STOP/04**

Report No.: **JME/W/260318116**
 Format No.: **7.8 F-01**
 Party Reference: **NIL**
 Reporting Date: **24/03/2026**
 Analysis Completion Date: **24/03/2026**
 Analysis Start Date: **18/03/2026**
 Receipt Date: **18/03/2026**
 Sampling Date: **17/03/2026**
 Sampling Type: **Grab**
 Preservation: **Refrigerated**
 Packing Status: **Temporary Sealed**
 Environmental Condition: **Ambient Temp. 32°C;**
 During Sampling: **Clear Sky**
 Sample Quantity: **Approx. 250 ml**

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012
1.	Total Coliform	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample
2.	E-Coli	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample

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Vineet Kumar

Reviewed & Authorized by
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End of Report



CIN No.: U74220HR2011PTC085756

J.M. ENVIROLAB PVT. LTD.

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Reg. Office & Lab.: 424, Ground Floor, Udyog Vihar Phase-IV, Gurugram 122015, Haryana, India

E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



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TEST REPORT

Sample Number:
Name & Address of
Unit:JME/PJCL/W/15
M/s. Prism Johnson Limited
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha)
Tehsil- Rampur Baghelan, Distt. -Satna Madhya
PradeshReport No.: JME/W/260318117
Format No.: 7.8 F-01
Party Reference: NIL
Reporting Date: 24/03/2026
Analysis Completion Date: 24/03/2026
Analysis Start Date: 18/03/2026
Receipt Date: 18/03/2026
Sampling Date: 17/03/2026
Sampling Type: Grab
Preservation: Refrigerated
Packing Status: Temporary Sealed
Environmental Condition: Ambient Temp. 32°C;
During Sampling: Clear Sky
Sample Quantity: Approx. 5.0 LitreSample Description: Ground Water
Sampling Location: Prism LS Mine Drinking Ground Water (Site office)
Client Representative: Mr. Sumitabh Dwivedi
(Name & Designation): (Assistant General Manager- Environment)
Sample collected by: JMELPL Team
Parameter Required: As per work order
Latitude: 24° 34' 33" N
Longitude: 81° 59' 51" E
Sampling Protocol: JMELPL/STOP/04

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25 °C)	IS:3025 (Part-11)	7.77	-	6.5 to 8.5	No Relaxation
2.	Colour	IS:3025 (Part 4)	BDL (DL 1.0)	Hazen Unit	5	15
3.	Odour	IS:3025 (Part-5)	Agreeable	-	Agreeable	Agreeable
4.	Taste	IS:3025 (Part-8)	Agreeable	-	Agreeable	Agreeable
5.	Turbidity	IS:3025 (Part-10)	BDL (DL 1.0)	NTU	1	5
6.	Total Hardness as CaCO ₃	IS:3025 (Part-21)	448.0	mg/l	200	600
7.	Calcium as Ca	IS:3025 (Part-40)	115.0	mg/l	75	200
8.	Magnesium	IS:3025 (Part-46)	39.17	mg/l	30	100
9.	Chloride as Cl	IS:3025 (Part-32)	67.45	mg/l	250	1000
10.	Alkalinity as CaCO ₃	IS:3025 (Part-23)	292.0	mg/l	200	600
11.	Residual Chlorine	IS:3025 (Part-26)	BDL (DL 0.2)	mg/l	0.2	1.0
12.	Cyanide	IS:3025 (Part-27) sec 1	BDL (DL 0.02)	mg/l	0.05	No Relaxation
13.	Total Dissolved Solid	IS:3025 (Part-16)	659.0	mg/l	500	2000
14.	Sulphate as SO ₄	APHA 24th Edition, 4500-SO ₄ -E	112.0	mg/l	200	400
15.	Fluoride as F	APHA 24th Edition, 4500-F- D	0.53	mg/l	1	1.5
16.	Nitrate Nitrogen as NO ₃	IS:3025 (Part-34) sec 1: Para 6.3, Cadmium reduction method	0.97	mg/l	45	No Relaxation
17.	Iron	IS:3025 (Part-53)	0.23	mg/l	1	No Relaxation

Page 1 of 3

Checked by
Abhishek TiwariReviewed & Authorized by
Pallavi Verma**Note:**

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TEST REPORT

Sample Number:

JME/PJCL/W/15

Report No.:

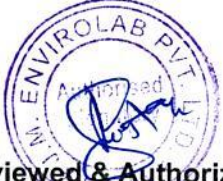
JME/W/260318117

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012	
					Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
18.	Phenols	APHA 24th Edition 5530-Phenol-D, Direct Photometric	BDL (DL 0.001)	mg/l	0.001	0.002
19.	Anionic Surfactant	APHA 24th Edition, 5540-C	BDL (DL 0.02)	mg/l	0.2	1
20.	Hexa Chromium as Cr6+	IS:3025 (Part-52)	BDL (DL 0.03)	mg/l	-	-
21.	Boron as B	IS:3025 (Part-57)	BDL (DL 0.2)	mg/l	0.5	2.4
22.	Aluminium	IS:3025 (Part-55)	BDL (DL 0.03)	mg/l	0.03	0.2
23.	Arsenic	IS:3025 (Part-37)	BDL (DL 0.002)	mg/l	0.01	No Relaxation
24.	Mercury	IS:3025 (Part-48)	BDL (DL 0.001)	mg/l	0.001	No Relaxation
25.	Selenium	IS:3025 (Part-56)	BDL (DL 0.005)	mg/l	0.01	No Relaxation
26.	Cadmium	IS:3025 (Part-41)	BDL (DL 0.002)	mg/l	0.003	No Relaxation
27.	Lead	IS:3025 (Part-47)	BDL (DL 0.008)	mg/l	0.01	No Relaxation
28.	Zinc	IS:3025 (Part-49)	BDL (DL 0.1)	mg/l	5	15
29.	Manganese	IS:3025 (Part-59)	BDL (DL 0.08)	mg/l	0.1	0.3
30.	Copper	IS:3025 (Part-42)	BDL (DL 0.02)	mg/l	0.05	1.5

Note: BDL- Below Detection Limit, DL- Detection Limit

Page 2 of 3


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TEST REPORT

Sample Number:	JME/PJCL/W/15	Report No.:	JME/W/260318117
Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Format No.:	7.8 F-01
	Ground Water	Party Reference:	NIL
Sample Description:	Prism LS Mine Drinking Ground Water (Site office)	Reporting Date:	24/03/2026
Sampling Location:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Analysis Completion Date:	24/03/2026
Client Representative (Name & Designation):	JMELPL Team	Analysis Start Date:	18/03/2026
Sample collected by:	As per work order	Receipt Date:	18/03/2026
Parameter Required:	24° 34' 33" N	Sampling Date:	17/03/2026
Latitude:	81° 59' 51" E	Sampling Type:	Grab
Longitude:	JMELPL/STOP/04	Preservation:	Refrigerated
Sampling Protocol:		Packing Status:	Temporary Sealed
		Environmental Condition	Ambient Temp. 32°C;
		During Sampling:	Clear Sky
		Sample Quantity:	Approx. 250 ml

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit	Specification as per IS 10500- 2012
1.	Total Coliform	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample
2.	E-Coli	IS: 15185	Absent	per 100ml	Shall not be detectable in any 100ml sample

Page 3 of 3

Checked by
Vineet Kumar

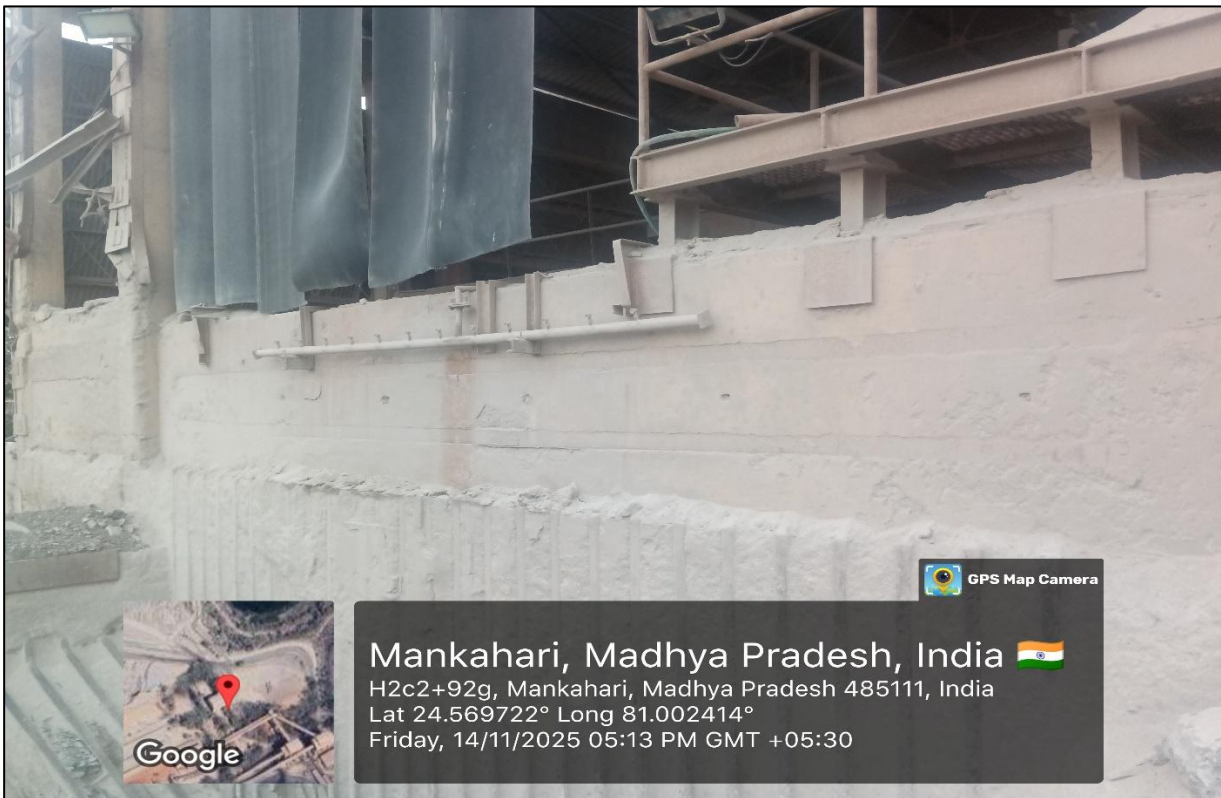
Reviewed & Authorized by
Abhijit Pathak

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****End of Report****

Annexure 6: Dedusting near crusher



Annexure 7: Online air quality monitoring station





J.M. ENVIROLAB PVT. LTD.



TC-6821

30 years of success Recognized by CPCB under EP Act-1986, Certified by ISO-9001:2015, 14001:2015 & 45001:2018

TEST REPORT

Name & Address of Unit:

M/s. Prism Johnson Limited
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh
AMBIENT AIR QUALITY MONITORING SW (BP No.18)
JMEPL Team
Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)

Report No.:
Date of Reporting:
Monitoring Month:
Sampling Protocol:

JME/A/251006617
04/11/2025
October, 2025
JMEPL/STOP/04

Sample Description:
Sampling Location:
Sample Collected by:
Client Representative:

Instrument Used for Sampling:

RDS & FPS

Latitude:
Longitude:

24° 34' 33" N
80° 59' 51" E

TEST RESULTS

Date	Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
01/10/2025 to 02/10/2025	17.6	40.4	14.7	7.9	0.57
03/10/2025 to 04/10/2025	14.5	35.0	12.3	6.8	0.52
06/10/2025 to 07/10/2025	16.6	39.1	14.1	7.6	0.54
09/10/2025 to 10/10/2025	23.0	53.0	18.1	10.2	0.64
13/10/2025 to 14/10/2025	26.0	55.5	18.7	10.6	0.68
16/10/2025 to 17/10/2025	20.7	48.6	16.7	9.4	0.62
21/10/2025 to 22/10/2025	28.2	59.4	19.7	11.5	0.71
23/10/2025 to 24/10/2025	19.6	46.2	16.3	8.7	0.58
27/10/2025 to 28/10/2025	15.4	38.7	13.8	7.1	0.53
29/10/2025 to 30/10/2025	18.8	42.2	15.9	8.2	0.57
Minimum	14.5	35.0	12.3	6.8	0.52
Maximum	28.2	59.4	19.7	11.5	0.71
Average	20.03	45.81	16.01	8.80	0.59
Testing Protocol	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Abbreviations:

NAAQS : National Ambient Air Quality Standard
PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide

Page No.1 of 1

Checked by
Deepak Singh Yadav



Reviewed & Authorized by
Sita Ram Yadav

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Ext. Road, Sector-61, Gurugram-122011(Haryana)

End of Report



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TC-6821

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TEST REPORT

Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Report No.:	JME/A/251006618
Sample Description:	AMBIENT AIR QUALITY MONITORING	Date of Reporting:	04/11/2025
Sampling Location:	Near Western Side ML Boundary (Pillar No. 14) of ML Area	Monitoring Month:	October, 2025
Sample Collected by:	JMELPL Team	Protocol Used:	JMELPL/STOP/04
Client Representative:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Instrument Used for Sampling:	RDS & FPS
		Latitude:	24° 35' 11" N
		Longitude:	80° 59' 25" E

TEST RESULTS

Date	Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
01/10/2025 to 02/10/2025	16.8	37.8	13.1	6.9	BDL (DL 0.5)
03/10/2025 to 04/10/2025	13.2	29.9	11.5	5.8	BDL (DL 0.5)
06/10/2025 to 07/10/2025	15.4	34.5	12.5	6.6	BDL (DL 0.5)
09/10/2025 to 10/10/2025	19.6	43.5	15.0	8.6	0.51
13/10/2025 to 14/10/2025	21.7	48.9	16.8	10.0	0.55
16/10/2025 to 17/10/2025	18.4	41.7	13.9	7.9	BDL (DL 0.5)
21/10/2025 to 22/10/2025	23.8	54.2	18.0	9.4	0.57
23/10/2025 to 24/10/2025	20.2	46.5	15.6	8.2	0.53
27/10/2025 to 28/10/2025	14.2	32.3	12.0	6.0	BDL (DL 0.5)
29/10/2025 to 30/10/2025	17.6	38.4	13.6	7.6	BDL (DL 0.5)
Minimum	13.2	29.9	11.5	5.8	0.51
Maximum	23.8	54.2	18.0	10.0	0.57
Average	18.11	40.75	14.20	7.71	0.54
Testing Protocol	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Abbreviations:

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PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

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****End of Report****



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TEST REPORT

Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Report No.:	JME/A/251006620
Sample Description:	AMBIENT AIR QUALITY MONITORING	Date of Reporting:	04/11/2025
Sampling Location:	Near Mankahari Village	Monitoring Month:	October, 2025
Sample Collected by:	JMELPL Team	Protocol Used:	JMELPL/STOP/04
Client Representative:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Instrument Used for Sampling:	RDS & FPS
		Latitude:	24° 35' 36" N
		Longitude:	81° 1' 17" E

TEST RESULTS

Date	Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
01/10/2025 to 02/10/2025	21.0	46.5	15.1	7.6	BDL (DL 0.5)
03/10/2025 to 04/10/2025	17.2	43.4	13.1	5.8	BDL (DL 0.5)
06/10/2025 to 07/10/2025	20.0	45.8	14.2	6.9	BDL (DL 0.5)
09/10/2025 to 10/10/2025	25.5	57.7	18.9	9.4	0.55
13/10/2025 to 14/10/2025	28.2	61.3	19.9	10.1	0.58
16/10/2025 to 17/10/2025	22.6	49.8	16.5	8.2	BDL (DL 0.5)
21/10/2025 to 22/10/2025	30.0	65.9	21.6	10.7	0.62
23/10/2025 to 24/10/2025	23.2	56.6	17.4	8.8	0.51
27/10/2025 to 28/10/2025	18.5	44.6	13.8	6.4	BDL (DL 0.5)
29/10/2025 to 30/10/2025	21.5	47.8	15.8	8.0	BDL (DL 0.5)
Minimum	17.2	43.4	13.1	5.8	0.51
Maximum	30.0	65.9	21.6	10.7	0.62
Average	22.76	51.94	16.63	8.19	0.57
Testing Protocol	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

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SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

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TEST REPORT

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Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh
AMBIENT AIR QUALITY MONITORING
SW (BP No.18)
JMELPL Team
Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)

Report No.: **JME/A/251106537**
Date of Reporting: **05/12/2025**
Monitoring Month: **November, 2025**
Sampling Protocol: **JMELPL/STOP/04**

Instrument Used for Sampling: **RDS & FPS**
Latitude: **24° 34' 33" N**
Longitude: **80° 59' 51" E**

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/11/2025 to 04/11/2025	17.3	35.4	15.4	8.5	0.54
06/11/2025 to 07/11/2025	21.1	42.3	18.4	9.9	0.59
10/11/2025 to 11/11/2025	18.8	39.8	17.7	9.5	0.56
13/11/2025 to 14/11/2025	24.9	51.4	21.3	11.8	0.64
17/11/2025 to 18/11/2025	23.5	46.6	20.4	10.9	0.60
20/11/2025 to 21/11/2025	31.2	61.2	23.5	13.3	0.71
24/11/2025 to 25/11/2025	27.5	55.2	22.7	12.8	0.67
27/11/2025 to 28/11/2025	33.8	65.4	24.7	14.5	0.74
Minimum	17.3	35.4	15.4	8.5	0.54
Maximum	33.8	65.4	24.7	14.5	0.74
Average	24.75	49.65	20.51	11.40	0.63
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard
PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide

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TC-6821

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Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh
Sample Description: AMBIENT AIR QUALITY MONITORING
Sampling Location: Near Western Side ML Boundary (Pillar No. 14) of ML Area
Sample Collected by: JMELPL Team
Client Representative: Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)

Report No.: **JME/A/251106538**
Date of Reporting: **05/12/2025**
Monitoring Month: **November, 2025**
Protocol Used: **JMELPL/STOP/04**
Instrument Used for Sampling: **RDS & FPS**
Latitude: **24° 35' 11" N**
Longitude: **80° 59' 25" E**

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/11/2025 to 04/11/2025	15.8	32.9	14.4	7.3	BDL (DL 0.5)
06/11/2025 to 07/11/2025	20.2	41.6	16.5	8.7	BDL (DL 0.5)
10/11/2025 to 11/11/2025	17.4	38.0	15.6	8.3	BDL (DL 0.5)
13/11/2025 to 14/11/2025	23.5	45.7	18.9	10.8	0.53
17/11/2025 to 18/11/2025	21.0	43.7	17.4	9.9	0.52
20/11/2025 to 21/11/2025	26.1	53.8	21.1	12.6	0.57
24/11/2025 to 25/11/2025	24.3	49.1	19.5	10.3	0.55
27/11/2025 to 28/11/2025	28.6	58.6	22.6	11.7	0.59
Minimum	15.8	32.9	14.4	7.3	0.52
Maximum	28.6	58.6	22.6	12.6	0.59
Average	22.10	45.43	18.26	9.96	0.55
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard
PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

Page 1 of 1

Checked by
Deepak Singh Yadav

Reviewed & Authorized by
Sita Ram Yadav

Note:

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Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
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Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
Ext. Road, Sector-61, Gurugram-122011(Haryana)

End of Report



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TC-6821

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TEST REPORT

Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Report No.:	JME/A/251106540
Sample Description:	AMBIENT AIR QUALITY MONITORING	Date of Reporting:	05/12/2025
Sampling Location:	Near Mankahari Village	Monitoring Month:	November, 2025
Sample Collected by:	JMELPL Team	Protocol Used:	JMELPL/STOP/04
Client Representative:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Instrument Used for Sampling:	RDS & FPS
		Latitude:	24° 35' 36" N
		Longitude:	81° 1' 17" E

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/11/2025 to 04/11/2025	20.6	45.7	16.4	7.3	BDL (DL 0.5)
06/11/2025 to 07/11/2025	25.2	51.2	18.9	9.5	BDL (DL 0.5)
10/11/2025 to 11/11/2025	24.0	50.5	17.8	8.6	BDL (DL 0.5)
13/11/2025 to 14/11/2025	28.8	59.1	21.8	11.1	0.53
17/11/2025 to 18/11/2025	26.1	54.9	20.7	10.3	0.51
20/11/2025 to 21/11/2025	33.8	67.5	24.9	12.7	0.61
24/11/2025 to 25/11/2025	30.6	62.5	23.8	11.8	0.57
27/11/2025 to 28/11/2025	35.9	72.6	27.1	13.4	0.65
Minimum	20.6	45.7	16.4	7.3	0.51
Maximum	35.9	72.6	27.1	13.4	0.65
Average	28.12	57.99	21.43	10.58	0.57
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard
PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

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TEST REPORT

Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Report No.:	JME/A/260105427
Sample Description:	AMBIENT AIR QUALITY MONITORING	Date of Reporting:	05/02/2026
Sampling Location:	SW (BP No.18)	Monitoring Month:	January, 2026
Sample Collected by:	JMELPL Team	Sampling Protocol:	JMELPL/STOP/04
Client Representative:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Instrument Used for Sampling:	RDS & FPS
		Latitude:	24° 34' 33" N
		Longitude:	80° 59' 51" E

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
01/01/2026 to 02/01/2026	27.3	58.0	18.9	11.2	0.63
02/01/2026 to 03/01/2026	31.6	60.9	27.5	10.1	0.59
05/01/2026 to 06/01/2026	36.0	66.9	26.1	13.3	0.67
08/01/2026 to 09/01/2026	32.8	64.4	24.9	12.8	0.65
12/01/2026 to 13/01/2026	29.4	55.5	20.8	8.9	0.58
15/01/2026 to 16/01/2026	27.1	58.9	24.0	11.2	0.56
19/01/2026 to 20/01/2026	25.8	54.6	22.3	9.5	0.53
22/01/2026 to 23/01/2026	23.2	49.1	19.2	7.7	0.53
27/01/2026 to 28/01/2026	26.2	50.8	22.0	8.7	0.57
29/01/2026 to 30/01/2026	29.4	63.0	25.9	9.0	0.6
Minimum	23.2	49.1	18.9	7.7	0.53
Maximum	36.0	66.9	27.5	13.3	0.67
Average	28.9	58.2	23.2	10.2	0.59
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard
 PM_{2.5} : Fine Particulate Matter
 PM₁₀ : Respirable Suspended Particulate Matter
 NO₂ : Nitrogen Dioxide
 SO₂ : Sulphur Dioxide
 CO : Carbon Monoxide

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Pallavi Verma

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TEST REPORT

Name & Address of Unit:

M/s. Prism Johnson Limited
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh
AMBIENT AIR QUALITY MONITORING

Report No.:

JME/A/260105428

Date of Reporting:

05/02/2026

Monitoring Month:

January, 2026

Protocol Used:

JMELPL/STOP/04

Instrument Used for Sampling:

RDS & FPS

Sample Description:

Sampling Location:

Near Western Side ML Boundary
(Pillar No. 14) of ML Area

Sample Collected by:

JMELPL Team

Latitude:

24° 35' 11" N

Client Representative:

Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)

Longitude:

80° 59' 25" E

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
01/01/2026 to 02/01/2026	22.8	48.5	15.2	9.1	0.53
02/01/2026 to 03/01/2026	25.2	56.1	22.3	8.2	0.57
05/01/2026 to 06/01/2026	28.5	61.6	21.2	10.8	0.6
08/01/2026 to 09/01/2026	27.4	59.3	20.2	10.3	0.59
12/01/2026 to 13/01/2026	23.0	51.0	16.8	7.2	0.54
15/01/2026 to 16/01/2026	24.9	54.2	19.4	9.1	0.56
19/01/2026 to 20/01/2026	23.7	50.3	18.3	7.8	0.53
22/01/2026 to 23/01/2026	18.6	43.3	17.9	6.2	BDL (DL 0.5)
27/01/2026 to 28/01/2026	22.0	46.7	17.8	7.0	BDL (DL 0.5)
29/01/2026 to 30/01/2026	25.0	50.4	20.9	7.3	0.51
Minimum	18.6	43.3	15.2	6.2	0.51
Maximum	28.5	61.6	22.3	10.8	0.60
Average	24.1	52.1	19.0	8.3	0.55
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

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PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

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Note:

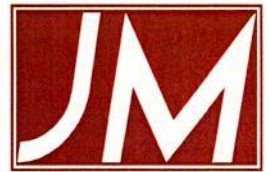
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TEST REPORT

Name & Address of Unit: **M/s. Prism Johnson Limited
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh**

Sample Description: **AMBIENT AIR QUALITY MONITORING**

Sampling Location: **Near Mankahari Village**

Sample Collected by: **JMELPL Team**

Client Representative: **Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)**

Report No.: **JME/A/260105430**

Date of Reporting: **05/02/2026**

Monitoring Month: **January, 2026**

Protocol Used: **JMELPL/STOP/04**

Instrument Used for Sampling: **RDS & FPS**

Latitude: **24° 35' 36" N**

Longitude: **81° 1' 17" E**

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
01/01/2026 to 02/01/2026	28.8	62.9	23.8	11.5	0.62
02/01/2026 to 03/01/2026	25.9	57.9	27.2	10.7	0.61
05/01/2026 to 06/01/2026	33.5	68.4	31.0	14.0	0.66
08/01/2026 to 09/01/2026	40.2	71.6	28.0	13.3	0.63
12/01/2026 to 13/01/2026	32.9	58.1	22.9	9.4	0.58
15/01/2026 to 16/01/2026	30.4	60.8	28.0	11.9	0.61
19/01/2026 to 20/01/2026	27.8	53.2	20.6	9.9	0.53
22/01/2026 to 23/01/2026	29.3	49.3	22.6	8.3	BDL (DL 0.5)
27/01/2026 to 28/01/2026	26.1	54.8	24.8	9.1	0.53
29/01/2026 to 30/01/2026	31.9	66.0	19.4	9.5	0.65
Minimum	25.9	49.3	19.4	8.3	0.53
Maximum	40.2	71.6	31.0	14.0	0.66
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard
PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

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Deepak Singh Yadav

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TEST REPORT

Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Report No.:	JME/A/260205477
Sample Description:	AMBIENT AIR QUALITY MONITORING	Date of Reporting:	05/03/2026
Sampling Location:	SW (BP No.18)	Monitoring Month:	February, 2026
Sample Collected by:	JMELPL Team	Sampling Protocol:	JMELPL/STOP/04
Client Representative:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Instrument Used for Sampling:	RDS & FPS
		Latitude:	24° 34' 33" N
		Longitude:	80° 59' 51" E

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/02/2026 to 04/02/2026	31.0	57.6	16.2	9.3	0.59
06/02/2026 to 07/02/2026	34.3	62.6	21.7	10.2	0.62
10/02/2026 to 11/02/2026	27.6	55.2	20.3	7.8	0.54
13/02/2026 to 14/02/2026	29.6	52.9	17.6	8.4	0.56
17/02/2026 to 18/02/2026	26.3	50.9	18.9	7.2	0.51
20/02/2026 to 21/02/2026	23.8	46.9	15.8	6.7	BDL (DL 0.5)
24/02/2026 to 25/02/2026	21.0	49.0	17.5	5.6	0.52
27/02/2026 to 28/02/2026	26.1	53.7	20.4	6.4	0.55
Minimum	21.0	46.9	15.8	5.6	0.51
Maximum	34.3	62.6	21.7	10.2	0.62
Average	27.5	53.6	18.6	7.7	0.56
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

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 PM_{2.5} : Fine Particulate Matter
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 NO₂ : Nitrogen Dioxide
 SO₂ : Sulphur Dioxide
 CO : Carbon Monoxide
 BDL : Below Detection Limit
 DL : Detection Limit

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Abhishek Tiwari
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 Abhishek Tiwari

Sita Ram Yadav
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TEST REPORT

Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Report No.:	JME/A/260205478
Sample Description:	AMBIENT AIR QUALITY MONITORING	Date of Reporting:	05/03/2026
Sampling Location:	Near Western Side ML Boundary (Pillar No. 14) of ML Area	Monitoring Month:	February, 2026
Sample Collected by:	JMELPL Team	Protocol Used:	JMELPL/STOP/04
Client Representative:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Instrument Used for Sampling:	RDS & FPS
		Latitude:	24° 35' 11" N
		Longitude:	80° 59' 25" E

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/02/2026 to 04/02/2026	25.8	52.9	16.9	6.1	0.55
06/02/2026 to 07/02/2026	27.9	56.6	19.4	8.2	0.57
10/02/2026 to 11/02/2026	21.3	47.2	14.7	7.4	BDL (DL 0.5)
13/02/2026 to 14/02/2026	23.0	51.8	16.3	8.1	0.54
17/02/2026 to 18/02/2026	20.8	43.0	18.6	6.9	BDL (DL 0.5)
20/02/2026 to 21/02/2026	19.1	40.5	17.4	6.5	BDL (DL 0.5)
24/02/2026 to 25/02/2026	15.3	38.9	13.2	4.9	BDL (DL 0.5)
27/02/2026 to 28/02/2026	20.1	41.8	16.7	6.1	BDL (DL 0.5)
Minimum	15.3	38.9	13.2	4.9	0.54
Maximum	27.9	56.6	19.4	8.2	0.57
Average	21.7	46.6	16.7	6.8	0.55
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

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NAAQS : National Ambient Air Quality Standard
PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

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End of Report

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Reg. Office & Lab. : 424, Ground Floor, Udyog Vihar Phase-IV, Gurugram, Haryana, India

E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



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TEST REPORT

Name & Address of Unit:

M/s. Prism Johnson Limited
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh
AMBIENT AIR QUALITY MONITORING
Near Mankahari Village
JMEPL Team
Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)

Report No.:

JME/A/260205480

Date of Reporting:

05/03/2026

Monitoring Month:

February, 2026

Protocol Used:

JMEPL/STOP/04

Instrument Used for Sampling:

RDS & FPS

Sample Description:

Sampling Location:

Sample Collected by:

Client Representative:

Latitude:

24° 35' 36" N

Longitude:

81° 1' 17" E

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/02/2026 to 04/02/2026	29.3	61.1	22.6	10.4	0.68
06/02/2026 to 07/02/2026	36.8	64.4	26.0	11.3	0.69
10/02/2026 to 11/02/2026	31.7	58.1	25.9	9.2	0.62
13/02/2026 to 14/02/2026	26.4	59.5	21.7	10.1	0.63
17/02/2026 to 18/02/2026	28.0	54.6	18.6	8.4	0.59
20/02/2026 to 21/02/2026	27.1	52.6	22.1	7.3	0.58
24/02/2026 to 25/02/2026	23.7	43.7	16.0	5.9	0.54
27/02/2026 to 28/02/2026	27.9	56.1	19.4	7.2	0.55
Minimum	23.7	43.7	16.0	5.9	0.54
Maximum	36.8	64.4	26.0	11.3	0.69
Average	28.9	56.3	21.5	8.7	0.61
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard

PM_{2.5} : Fine Particulate MatterPM₁₀ : Respirable Suspended Particulate MatterNO₂ : Nitrogen DioxideSO₂ : Sulphur Dioxide

CO : Carbon Monoxide

Page 1 of 1

Checked by
Abhishek Tiwari



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Sita Ram Yadav

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TEST REPORT

Name & Address of Unit: **M/s. Prism Johnson Limited**
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh
Sample Description: AMBIENT AIR QUALITY MONITORING
Sampling Location: SW (BP No.18)
Sample Collected by: JMELPL Team
Client Representative: Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)

Report No.: **JME/A/260307122**
Date of Reporting: **01/04/2026**
Monitoring Month: **March, 2026**
Sampling Protocol: **JMELPL/STOP/04**

Instrument Used for Sampling: **RDS & FPS**
Latitude: **24° 34' 33" N**
Longitude: **80° 59' 51" E**

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/03/2026 to 04/03/2026	29.3	56.9	15.4	7.9	0.56
06/03/2026 to 07/03/2026	32.7	61.5	20.1	9.3	0.60
10/03/2026 to 11/03/2026	25.4	52.3	17.6	8.6	0.55
13/03/2026 to 14/03/2026	28.1	55.8	19.3	7.4	0.53
17/03/2026 to 18/03/2026	24.9	52.6	15.9	6.7	0.51
20/03/2026 to 21/03/2026	20.4	45.3	14.5	5.2	BDL (DL 0.5)
24/03/2026 to 25/03/2026	25.3	48.1	16.2	7.1	0.52
27/03/2026 to 28/03/2026	28.4	51.8	18.1	6.9	0.54
Minimum	20.4	45.3	14.5	5.2	0.51
Maximum	32.7	61.5	20.1	9.3	0.60
Average	26.8	53.0	17.1	7.4	0.54
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard
PM_{2.5} : Fine Particulate Matter
PM₁₀ : Respirable Suspended Particulate Matter
NO₂ : Nitrogen Dioxide
SO₂ : Sulphur Dioxide
CO : Carbon Monoxide
BDL : Below Detection Limit
DL : Detection Limit

Page 1 of 1

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Deepak Singh Yadav

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TEST REPORT

Name & Address of Unit:

M/s. Prism Johnson Limited
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan,
Distt. -Satna Madhya Pradesh
AMBIENT AIR QUALITY MONITORING
Near Western Side ML Boundary
(Pillar No. 14) of ML Area
JMEPL Team
Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)

Report No.:

JME/A/260307123

Date of Reporting:

01/04/2026

Monitoring Month:

March, 2026

Protocol Used:

JMEPL/STOP/04

Sample Description:

Instrument Used for Sampling:

RDS & FPS

Sampling Location:

Sample Collected by:

Latitude:

24° 35' 11" N

Client Representative:

Longitude:

80° 59' 25" E

TEST RESULTS

Date of Monitoring	Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/03/2026 to 04/03/2026	24.5	45.4	15.8	6.4	0.51
06/03/2026 to 07/03/2026	26.4	54.7	18.5	7.9	0.55
10/03/2026 to 11/03/2026	22.7	47.3	16.2	6.5	0.52
13/03/2026 to 14/03/2026	24.1	50.5	17.4	5.3	0.54
17/03/2026 to 18/03/2026	20.3	43.9	15.1	6.7	0.51
20/03/2026 to 21/03/2026	14.6	36.1	12.5	4.3	BDL (DL 0.5)
24/03/2026 to 25/03/2026	17.9	40.4	14.2	5.8	BDL (DL 0.5)
27/03/2026 to 28/03/2026	19.2	48.6	16.7	7.1	BDL (DL 0.5)
Minimum	14.6	36.1	12.5	4.3	0.51
Maximum	26.4	54.7	18.5	7.9	0.55
Average	21.2	45.9	15.8	6.3	0.53
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard

PM_{2.5} : Fine Particulate MatterPM₁₀ : Respirable Suspended Particulate MatterNO₂ : Nitrogen DioxideSO₂ : Sulphur Dioxide

CO : Carbon Monoxide

BDL : Below Detection Limit

DL : Detection Limit

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TEST REPORT

Name & Address of Unit:	M/s. Prism Johnson Limited Limestones Mines Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Madhya Pradesh	Report No.:	JME/A/260307125
Sample Description:	AMBIENT AIR QUALITY MONITORING	Date of Reporting:	01/04/2026
Sampling Location:	Near Mankahari Village	Monitoring Month:	March, 2026
Sample Collected by:	JMELPL Team	Protocol Used:	JMELPL/STOP/04
Client Representative:	Mr. Sumitabh Dwivedi (Assistant General Manager- Environment)	Instrument Used for Sampling:	RDS & FPS
		Latitude:	24° 35' 36" N
		Longitude:	81° 1' 17" E

TEST RESULTS

Date of Monitoring	-Test Parameter				
	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)	CO (mg/m ³)
03/03/2026 to 04/03/2026	30.3	60.4	21.9	9.5	0.64
06/03/2026 to 07/03/2026	34.8	62.1	25.7	10.9	0.66
10/03/2026 to 11/03/2026	31.2	56.0	22.1	7.6	0.59
13/03/2026 to 14/03/2026	28.3	58.7	23.5	9.1	0.62
17/03/2026 to 18/03/2026	24.8	50.3	18.9	8.4	0.56
20/03/2026 to 21/03/2026	21.3	41.6	15.1	5.2	0.51
24/03/2026 to 25/03/2026	25.2	45.9	17.4	6.7	0.54
27/03/2026 to 28/03/2026	27.4	53.5	18.9	7.9	0.57
Minimum	21.3	41.6	15.1	5.2	0.51
Maximum	34.8	62.1	25.7	10.9	0.66
Average	27.9	53.6	20.4	8.2	0.59
Test Method	IS 5182 (Part-24)	IS 5182 (Part-23)	IS 5182 (Part-6)	IS 5182 (Part-2) sec 1	IS 5182 (Part-10)
NAAQS	60 (24 hourly)	100 (24 hourly)	80 (24 hourly)	80 (24 hourly)	4 (1 hourly)

Note- NAAQS-National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)] [Part-II sec.-3(i)] 18.11.2009

Abbreviations:

NAAQS : National Ambient Air Quality Standard
 PM_{2.5} : Fine Particulate Matter
 PM₁₀ : Respirable Suspended Particulate Matter
 NO₂ : Nitrogen Dioxide
 SO₂ : Sulphur Dioxide
 CO : Carbon Monoxide

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TEST REPORT

Sample Number: **JME/PJCL/FD/13**
 Name & Address of Unit: **M/s. Prism Johnson Limited
 Limestones Mines
 Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. - Satna Madhya Pradesh**

Report No.: **JME/FD/251204103**
 Format No.: **7.8 F-02**
 Party Reference No.: **Nil**
 Reporting Date: **08/12/2025**
 Analysis Completion Date: **08/12/2025**
 Analysis Start Date: **04/12/2025**
 Receipt Date: **04/12/2025**

Sample Description: **FUGITIVE EMISSION**

General Information

Client Representative (Name & Designation)

**Mr. Sumitabh Dwivedi
 (Assistant General Manager- Environment)**

Sample collected by

JMELPL Team

Sampling Location

Near Haul Road

Instrument used

HVS

Instrument code

JME/HVS/01/01

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Date of Monitoring

02/12/2025

Time of Monitoring

09:10 to 13:13 hrs.

Duration of Monitoring, (minutes)

240.0

Ambient Temperature

18.0

Surrounding activity

Operational Activities

Sampling Protocol

JMELPL/STOP/04

Parameter Required

SPM

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	402.0	µg/m ³

Note: As per CPCB Guideline

1. Permissible limit for other than coal dust is 5000 µg/m³
2. Permissible limit for Coal Dust is 2000 µg/m³

Page 1 of 1

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 E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
 Ext. Road, Sector-61, Gurugram-122011 (Haryana)

End of Report



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CIN No. :U74220HR2011PTC085756



TC-6821

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TEST REPORT

Sample Number: **JME/PJCL/FD/14**
 Name & Address of Unit: **M/s. Prism Johnson Limited
 Limestones Mines
 Area (772.067 ha, 99.416 ha, 253.326 ha &
 66.43 ha) Tehsil- Rampur Baghelan, Distt. -
 Satna Madhya Pradesh**

Report No.: **JME/FD/251204104**
 Format No.: **7.8 F-02**
 Party Reference No.: **Nil**
 Reporting Date: **08/12/2025**
 Analysis Completion Date: **08/12/2025**
 Analysis Start Date: **04/12/2025**
 Receipt Date: **04/12/2025**

Sample Description: **FUGITIVE EMISSION**

General Information

Client Representative (Name & Designation)

**Mr. Sumitabh Dwivedi
 (Assistant General Manager- Environment)
 JMELPL Team**

Sample collected by

Near Drilling/Loading Point

Sampling Location

Instrument used

HVS

Instrument code

JME/HVS/01/01

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Date of Monitoring

02/12/2025

Time of Monitoring

14:50 to 18:55 Hrs.

Duration of Monitoring, (minutes)

240.0

Ambient Temperature

22.0

Surrounding activity

Operational Activities

Sampling Protocol

JMELPL/STOP/04

Parameter Required

SPM

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	357.0	µg/m ³

Note: As per CPCB Guideline

1. Permissible limit for other than coal dust is 5000 µg/m³
2. Permissible limit for Coal Dust is 2000 µg/m³

Page 1 of 1

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Deepak Singh Yadav



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****End of Report****



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TEST REPORT

Sample Number: **JME/PJCL/FD/13**
Name & Address of Unit: **M/s. Prism Johnson Limited
Limestones Mines
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. - Satna Madhya Pradesh**

Report No.: **JME/FD/260326103**
Format No.: **7.8 F-02**
Party Reference No.: **Nil**
Reporting Date: **28/03/2026**
Analysis Completion Date: **28/03/2026**
Analysis Start Date: **26/03/2026**
Receipt Date: **26/03/2026**

Sample Description: **FUGITIVE EMISSION**

General Information

Client Representative (Name & Designation)

**Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)**

Sample collected by

JMELPL Team

Sampling Location

Near Haul Road

Instrument used

HVS

Instrument code

JME/HVS/01/01

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Date of Monitoring

24/03/2026

Time of Monitoring

09:05 to 13:06 hrs.

Duration of Monitoring, (minutes)

240.0

Ambient Temperature

30.0

Surrounding activity

Operational Activities

Sampling Protocol

JMELPL/STOP/04

Parameter Required

SPM

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	395.0	µg/m ³

Note: As per CPCB Guideline

1. Permissible limit for other than coal dust is 5000 µg/m³

2. Permissible limit for Coal Dust is 2000 µg/m³

Page 1 of 1

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Deepak Singh Yadav

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****End of Report****



CIN No. :U74220HR2011PTC085756

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TEST REPORT

Sample Number: **JME/PJCL/FD/14**
 Name & Address of Unit: **M/s. Prism Johnson Limited
 Limestones Mines
 Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. - Satna Madhya Pradesh**

Report No.: **JME/FD/260326104**
 Format No.: **7.8 F-02**
 Party Reference No.: **Nil**
 Reporting Date: **28/03/2026**
 Analysis Completion Date: **28/03/2026**
 Analysis Start Date: **26/03/2026**
 Receipt Date: **26/03/2026**

Sample Description: **FUGITIVE EMISSION**

General Information

Client Representative (Name & Designation)

**Mr. Sumitabh Dwivedi
 (Assistant General Manager- Environment)
 JMELPL Team**

Sample collected by

Near Drilling/Loading Point

Sampling Location

Instrument used

HVS

Instrument code

JME/HVS/01/01

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Date of Monitoring

24/03/2026

Time of Monitoring

14:45 to 18:50 Hrs.

Duration of Monitoring, (minutes)

240.0

Ambient Temperature

31.0

Surrounding activity

Operational Activities

Sampling Protocol

JMELPL/STOP/04

Parameter Required

SPM

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	Unit
1.	Suspended Particulate Matter	JMELPL/STOP/03	339.0	µg/m ³

Note: As per CPCB Guideline

1. Permissible limit for other than coal dust is 5000 µg/m³

2. Permissible limit for Coal Dust is 2000 µg/m³

Page 1 of 1

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Deepak Singh Yadav

Reviewed & Authorized by
Sita Ram Yadav

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****End of Report****



J.M. ENVIROLAB PVT. LTD.



TC-6821

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TEST REPORT

Sample Number: **JME/PJCL/AN/10** Report No.: **JME/AN/251204092**
 Name & Address of Unit: **M/s. Prism Johnson Limited** Format No.: **7.8 F-04**
Limestones Mines Party Ref. No.: **Nil**
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Reporting Date: **08/12/2025**
Madhya Pradesh Receipt Date: **04/12/2025**
 Sample Description: **AMBIENT NOISE LEVEL MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)
JMELPL Team

Sample collected by

SW (BP No.18)

Sampling Location

01/12/2025 to 02/12/2025

Date of Monitoring

Time of Monitoring

06:00 AM to 06:00 AM

Latitude

24° 34' 33" N

Longitude

80° 59' 51" E

Instrument used

Sound Level Meter

Instrument code

JME/SLM/02/04

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Ambient Temperature

Max 26°C, Min 14°C

Surrounding activity

Human & Vehicular Activities

Scope of Monitoring

Regulatory Requirement

Control measure if any

--

Sampling Protocol

JMELPL/STOP/04

Duration of Monitoring, (minutes)

24 Hrs.

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Results dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Lmax	IS-9989	68.2	56.4	dB(A)
2.	Lmin	IS-9989	46.5	43.6	dB(A)
3.	Leq	IS-9989	52.1	48.2	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial area)	-	75	70	dB(A)

Page 1 of 1

Checked by

Deepak Singh Yadav

Reviewed & Authorized by
Sita Ram Yadav

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Reg. Office & Lab.

424, Ground Floor, Udyog Vihar,
 Phase-IV, Gurugram-122015 (Haryana)
 E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
 Ext. Road, Sector-61, Gurugram-122011(Haryana)



J.M. ENVIROLAB PVT. LTD.

CIN No. :U74220HR2011PTC085756



TC-6821

30 years of success Recognized by CPCB under EP Act-1986, Certified by ISO-9001:2015, 14001:2015 & 45001:2018

TEST REPORT

Sample Number: **JME/PJCL/AN/11** Report No.: **JME/AN/251204093**
Name & Address of Unit: **M/s. Prism Johnson Limited** Format No.: **7.8 F-04**
Limestones Mines Party Ref. No.: **Nil**
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Reporting Date: **08/12/2025**
Madhya Pradesh Receipt Date: **04/12/2025**
Sample Description: **AMBIENT NOISE LEVEL MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)
JMELPL Team

Sample collected by

Sampling Location

Near Western Side ML Boundary
(Pillar No. 14) of ML Area
01/12/2025 to 02/12/2025

Date of Monitoring

Time of Monitoring

06:00 AM to 06:00 AM

Latitude

24° 35' 11" N

Longitude

80° 59' 25" E

Instrument used

Sound Level Meter

Instrument code

JME/SLM/02/05

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Ambient Temperature

Max 26°C, Min 14°C

Surrounding activity

Human Activity

Scope of Monitoring

Regulatory Requirement

Control measure if any

-

Sampling Protocol

JMELPL/STOP/04

Duration of Monitoring, (minutes)

24 Hrs.

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Results dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Lmax	IS-9989	55.4	48.1	dB(A)
2.	Lmin	IS-9989	41.3	31.9	dB(A)
3.	Leq	IS-9989	46.7	35.4	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial area)	-	75	70	dB(A)

Page 1 of 1

Checked by
Deenak Singh Yadav



Reviewed & Authorized by

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Corporate Office

Emaar Digital Greens, Tower-B, Unit No.1517, Golf Course
Ext. Road, Sector-61, Gurugram-122011 (Haryana)

End of Report



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CIN No. :U74220HR2011PTC085756



TC-6821

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TEST REPORT

Sample Number: **JME/PJCL/AN/13** Report No.: **JME/AN/251206097**
Name & Address of Unit: **M/s. Prism Johnson Limited** Format No.: **7.8 F-04**
Limestones Mines Party Ref. No.: **Nil**
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Reporting Date: **10/12/2025**
Madhya Pradesh Receipt Date: **06/12/2025**
Sample Description: **AMBIENT NOISE LEVEL MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)
JMELPL Team

Sample collected by

Near Mankaharl Village

Sampling Location

03/12/2025 to 04/12/2025

Date of Monitoring

06:00 AM to 06:00 AM

Time of Monitoring

Latitude

24° 35' 36" N

Longitude

81° 1' 17" E

Instrument used

Sound Level Meter

Instrument code

JME/SLM/02/04

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Ambient Temperature

Max 26°C, Min 14°C

Surrounding activity

Human and Vehicular Activities

Scope of Monitoring

Regulatory Requirement

Control measure if any

-

Sampling Protocol

JMELPL/STOP/04

Duration of Monitoring, (minutes)

24 Hrs.

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Results dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Lmax	IS-9989	62.2	55.6	dB(A)
2.	Lmin	IS-9989	40.2	34.3	dB(A)
3.	Leq	IS-9989	49.9	37.9	dB(A)
4.	CPCB Limits in dB(A) Leq (Residential area)	-	55	45	dB(A)

Page 1 of 1

Checked by

Deepak Singh Yadav

Reviewed & Authorized by
Sita Ram Yadav


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Ext. Road, Sector-61, Gurugram-122011(Haryana)

End of Report



CIN No. :U74220HR2011PTC085756

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Reg. Office & Lab. : 424, Ground Floor, Udyog Vihar Phase-IV, Gurugram 122015, Haryana, India

E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



TEST REPORT

Sample Number: **JME/PJCL/AN/10** Report No.: **JME/AN/260326092**
Name & Address of Unit: **M/s. Prism Johnson Limited** Format No.: **7.8 F-04**
Limestones Mines Party Ref. No.: **Nil**
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Reporting Date: **28/03/2026**
Madhya Pradesh Receipt Date: **26/03/2026**
Sample Description: **AMBIENT NOISE LEVEL MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)
JMELPL Team

Sample collected by

Sampling Location

SW (BP No.18)

Date of Monitoring

24/03/2026 to 25/03/2026

Time of Monitoring

06:00 AM to 06:00 AM

Latitude

24° 34' 33" N

Longitude

80° 59' 51" E

Instrument used

Sound Level Meter

Instrument code

JME/SLM/02/04

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Ambient Temperature

Max 33°C, Min 21°C

Surrounding activity

Human & Vehicular Activities

Scope of Monitoring

Regulatory Requirement

Control measure if any

--

Sampling Protocol

JMELPL/STOP/04

Duration of Monitoring, (minutes)

24 Hrs.

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Lmax	IS-9989	70.9	58.7	dB(A)
2.	Lmin	IS-9989	48.6	42.9	dB(A)
3.	Leq	IS-9989	53.2	47.4	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial area)	-	75	70	dB(A)

Page 1 of 1

Checked by

Deepak Singh Yadav

Reviewed & Authorized by

Smt. Ram Yadav

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E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



30 years of success

TEST REPORT

Sample Number: **JME/PJCL/AN/11** Report No.: **JME/AN/260326093**
Name & Address of Unit: **M/s. Prism Johnson Limited** Format No.: **7.8 F-04**
Limestones Mines Party Ref. No.: **Nil**
Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna Reporting Date: **28/03/2026**
Madhya Pradesh Receipt Date: **26/03/2026**
Sample Description: **AMBIENT NOISE LEVEL MONITORING**

General Information

Client Representative (Name & Designation)

Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)
JMELPL Team

Sample collected by

Sampling Location

Near Western Side ML Boundary
(Pillar No. 14) of ML Area
24/03/2026 to 25/03/2026

Date of Monitoring

Time of Monitoring

06:00 AM to 06:00 AM

Latitude

24° 35' 11" N

Longitude

80° 59' 25" E

Instrument used

Sound Level Meter

Instrument code

JME/SLM/02/05

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Ambient Temperature

Max 33°C, Min 21°C

Surrounding activity

Human Activity

Scope of Monitoring

Regulatory Requirement

Control measure if any

-

Sampling Protocol

JMELPL/STOP/04

Duration of Monitoring, (minutes)

24 Hrs.

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Lmax	IS-9989	57.2	49.3	dB(A)
2.	Lmin	IS-9989	42.8	34.7	dB(A)
3.	Leq	IS-9989	48.6	37.8	dB(A)
4.	CPCB Limits in dB(A) Leq (Industrial area)	-	75	70	dB(A)

Page 1 of 1

Checked by

Deepak Singh Yadav



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End of Report



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Reg. Office & Lab. : 424, Ground Floor, Udyog Vihar Phase-IV, Gurugram 122015, Haryana, India

E-mail: jmenvirolab@hotmail.com www.jmenvirolab.com



TEST REPORT

Sample Number: JME/PJCL/AN/13 Report No.: JME/AN/260328097
 Name & Address of Unit: M/s. Prism Johnson Limited
 Limestones Mines
 Area (772.067 ha, 99.416 ha, 253.326 ha & 66.43 ha) Tehsil- Rampur Baghelan, Distt. -Satna
 Madhya Pradesh
 Sample Description: AMBIENT NOISE LEVEL MONITORING
 Format No.: 7.8 F-04
 Party Ref. No.: Nil
 Reporting Date: 31/03/2026
 Receipt Date: 28/03/2026

General Information

Client Representative (Name & Designation)

Mr. Sumitabh Dwivedi
(Assistant General Manager- Environment)
JME/LPL Team

Sample collected by

Near Mankahari Village

Sampling Location

Date of Monitoring

26/03/2026 to 27/03/2026

Time of Monitoring

06:00 AM to 06:00 AM

Latitude

24° 35' 36" N

Longitude

81° 1' 17" E

Instrument used

Sound Level Meter

Instrument code

JME/SLM/02/04

Instrument calibration status

Calibrated

Meteorological condition during monitoring

Clear Sky

Ambient Temperature

Max 37°C, Min 23°C

Surrounding activity

Human and Vehicular Activities

Scope of Monitoring

Regulatory Requirement

Control measure if any

-

Sampling Protocol

JME/LPL/STOP/04

Duration of Monitoring, (minutes)

24 Hrs.

Parameter Required

As per work order

TEST RESULTS

S. No.	Test Parameter	Test Method	Results		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1.	Lmax	IS-9989	64.6	58.1	dB(A)
2.	Lmin	IS-9989	42.8	36.4	dB(A)
3.	Leq	IS-9989	51.3	39.2	dB(A)
4.	CPCB Limits in dB(A) Leq (Residential area)	--	55	45	dB(A)

Page 1 of 1

Checked by

Deepak Singh Yadav

Reviewed & Authorized by

Shri Ram Yadav

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End of Report

GVTC TRAINING DETAILS FROM 1 OCTOBER 2025 TO 31 MARCH 2026

Particulars	Number of Participants	Grade
Mines vocational Class room training (Basic and Refresher Training) (Mines basic safety training ,PPE, Duties and Responsibilities, , Fire fighting , First aid training ,Hemm's Safety Features, Hemm's Specification ,Sop's Discussion ,Mines Accident videos etc..)	109	Staff- 9 +Workmen-18+ contractor-78+ Apprentice-04
Training Program on operation and Maintenance of ZW225-7 Loaders	28	Staff- 07+ Workmen-14+ Contractor-7
Blasting Special Refresher Training by Blasting officer	46	Staff – 16 + Workmen-19 + Apprentice- 2+ Contractor- 09
HEMM Operation and Maintenance training for Hemm operators	11	Staff-11
On site Defensive Driving Training for Mines operators	25	Staff -14+ Apprentice-11
New Rock Breaker –Zx-370 Operation and Maintenance training For Hemm operators	07	Staff-04 + Contractor -03
New recent Development for Safe Controlled Blasting.	27	Staff-18+ workmen- 03, Contractor-03 + Apprentice -03
Environment Protection and Management Training.	14	Staff-14
Blasting operation special Refresher training for Blasting Helpers	11	Workmen -11
Blasting operation special Refresher training for Contractor helpers	09	contractor - 09
Mock Drill on Fire fighting and Rescue on site Fire fighting training for HEMM Operators	31	Staff-14 +Workmen- 05+ contractor-12
Defensive Driving Special Training by Mr. Durgesh Sharma –Director(Road safety foundation Mumbai)	75	Staff-06 +Workmen- 04+ contractor-65
Total	393	

Training photographs

Annexure 11B: Training photographs





Deotale Diagnostic Centre

Consultation Diagnostics Health Check- Ups Immunization.

Clinic: Vinayak Apt. 3rd floor Dhantoli Lokmat Chouk Nagpur

For any assistance call at . 9860204241

Email ID : deotaledeepak19577@gmail.com

MEDICAL CHECK-UP REPORT

Sr. No.	1
Certificate No	1
FORM A No.	11
EMP CODE	503271
Department	PCL
Designation	HEO
MOB NO	9406781759
CHECK-UP DATE	19-12-25

EMPLOYEES NAME: Rajendra Singh Vanshroop Singh

Gender: MALE Ht : 159 cms BMI : 33.23 Wt: 84 Kg

Age: 56 Yrs After Full Inspiration : 36 After full Expiration : 34

Company Address: PRISM JOHNSON LIMITED . (SATNA) M.P.

Personal H/O: ALCOHOL: NO TABACCO: NO SMOKING: NO GUTKHA: NO

General Exam:- Healthy BP : 130/78 mmHg PLUSE : 84mm/hr

C.V.S.: N R/S : N CNS : N SP/LIVER : N/P

Abdomen : soft

BLOOD TEST

Test	Result	Normal Range
(Random) Blood Sugar	200mg/dl	70-160 mg/dl
Blood Group	B+VE	
Hemoglobin	12.3 gm/dl	12.5 to 16.5 gm/dl
Total Leukocyte Count	5100 Cumm	4000-11000 /Cumm
Neutrophils	78 %	40-80 %
Lymphocyte	19 %	20-40 %
Eosinophils	1 %	1-6 %
Monocytes	2 %	2-10 %
ESR	4 mm/hr	< 20 mm/hr
Cholesterol	172mg/dl	< 220 mg/dl
Triglycerides	140mg/dl	> 200 mg/dl
HDL	48 mg/dl	35 TO 50 mg/dl
LDL	96 mg/dl	
VLDL	28 mg/dl	
CHO/HDL Ratio:	3.6	
Urea	37mg/dl	10-50
Creatinine	0.9mg/dl	0.8-1.3
SGPT	27 U/L	0-40
SGOT	20 U/L	0-40
ECG	WNL	
Spirometry	WNL	
X-Ray	WNL	
Colour Blindness	NO	
AUDIOMETRY	RT : WNL	LF. WNL
Vision:	Unaided - Dist. Rt - 6/18	Dist. Lf - 6/18
	Unaided - Near Rt - N/6	Near Lf - N/6

MEDICAL CHECK - UP:- NORMAL

Opinion: He/She is physically & mentally fit . He/She is not suffering from any infectious or contagious diseases

Dr. Deepak Deotale
 Dr. DEEPAK DEOTALE
 M.B.B.S., F.N.H. (1998)
 Reg. No. 48366

133

(FORM - O)
(See rule 29F (2) and 29L)

Report of medical examination under rule 29B (To be issued in triplicate)

** Certificate No. 01 Certified that Shri/Shrimati* Rajendra Singh
employed as OPT In PZL mine,
Form A No. 11 has been examined for an initial/periodical medical
examination. He/she* appears to be 56 years of age.

The findings of the examining authority are given in the attached sheet. It is considered
that Shri/Shrimati* Rajendra Singh

(a)* is medically fit for any employment in mines.

(b)* is suffering from..... and is medically unfit for
(i) any employment in mine; or
(ii) any employment below ground; or
(iii) any employment or work.....

(c)* is suffering from..... is should get this disability* cured/controlled
and should be again examined within a period ofmonths. He/She will appear
for re-examination with the result of test of and the opinion of
Specialist from He/She may be permitted/not* permitted to carry on his
duties during this period.



Signature of the examining authority
Name and designation in Block letters

Place : PZL

Date : 19/12/2025

* Delete whatever is not applicable.

** One copy of the certificate shall be handed over to the person concerned and
another copy shall be sent to the manager of the mine concerned by registered post;
and the third copy shall be retained by the examining authority,

Report of the examining authority

(to be filled in for every medical examination whether initial or periodical or re -
examination or after cure/control of disability).

Annexure to Certificate No. as result of medical examination on

Identification Mark.

Left thumb impression of the candidate

Expiration 36 cms.
Expiration 34 cms.

(ii) Pulse 84

examining authority NO

NO

Signature of the examining authority ✓

Result
Parameters
Forced V
Forced M
FEV1/FVC
Peak Expir
Spirometry A

Report of

Certificate No.

Name

Identification Marks

1. Cardiological As

Assessment

St

St

Abd

FEV1/FVC

Electrocardiogram (ECG)

Excluded ECG

2. N

1. General development- Good/Fair/Poor

2. Height 159 Cms.

3 Weight 54 kg.

4 Eyes : (i) Visual acuity-Distant vision (with or without glasses).

Right eye..... 6/18..... Left eye..... 6/18.....

(ii) any organic disease of eyes No

(iii) night blindness No

(iv) Colour blindness No

(v) Squint (* to be tested in special cases) No
Inserted vide notification No.GSR 656 dated 5.6.1980

5 Ears : Hearing : Right ear..... WNL..... Left ear WNL.....

Any organic diseases. No

6. Respiratory system. Chest measurement : (i) After full inspiration 36 cms.
(ii) After full expiration..... 34 cms.

7. Circulatory system: (i) Blood Pressure 130/78..... (ii) Pulse 84.....

8. Abdomen : Tenderness No
Liver. NP
Spleen. NP
Tumour. No

9. Nervous system:
History of fits or epilepsy No
Paralysis No
Mental health. good

10. Locomotory system : N

11. Skin. : N

12. Hydrocele. : No

13. Hemia. : No

14. Any other abnormality : No

15. Urine : Reaction. N
Albumin..... Nil
Sugar..... Nil

16. Skiagram of chest. : N

17. Any other test considered necessary by the examining authority. : No

18. Any opinion of specialist considered necessary. No

Signature of the examining authority

Place:

Report (T)
No. 1
Ravenshaw
ification.
Sut

ye... 6/1/18
ut glasses.

Report of Medical Examination under Mines Rule 29B
(To be used in continuation with Form O)

No. 1

Rajendra Singh

Identification Marks: Blue mark RIS Booklet

Result of Lung Function Test (Spirometry)

Parameters	Predicted Value	Performed Value	% of Predicted
Forced Vital Capacity (FEV)	02.73	02.82	103
Forced Vital Capacity FEV1	02.09	02.72	130
FEV1/FVC	76.56	96.45	126
Peak Expiratory Flow	07.58	03.94	052

Spirometry Report enclosed.

Signature of the Examination Authority

Report of Medical Examination as per the recommendations of National Safety
Conferences in Mines
(To be used in continuation with Form O)

Certificate No.

Name :

Identification Marks:

1. Cardiological Assessment

1. Cardiological Assessment				
Auscultation	S1	N	Performed Value	% of Predicted
	S2	N		
	Additional Sound No			
FEV1/FVC			96.45	126
Electrocardiograph(12leads) findings			Normal/Abnormal	

Enclosed ECG

2. Neurological Assessment

Findings	Normal/Abnormal
Superficial Reflexes	N
Deep Reflexes	N
Peripheral Circulation	N
Vibrational Syndromes	N

3. ILO Classification of Chest Radiograph

Profusion of Pneumoconiotic Opacities	Grades	Types
Present / Absent		

Enclosed Chest Radiograph

4. Audiometry Findings:

Conduction Type	Left Ear	Right Ear
Ear Conduction	Normal/Abnormal	Normal/Abnormal
Bone Conduction	Normal/Abnormal	Normal/Abnormal

Enclosed Audiometry Report

5. Pathological/Microbiological Investigations:

S.No.	Tests	Findings
1.	Blood-Tc, Dc, Hb, ESR, Platelets	WNL/Abnormal
2.	Blood Sugar-Fasting & P.P.	WNL/Abnormal
3.	Lipid Profile	WNL/Abnormal
4.	Blood Urea, Creatinine	WNL/Abnormal
5.	Urine Routine	WNL/Abnormal
6.	Stool Routine	WNL/Abnormal

Enclosed Investigation Reports

6. Special Tests for Mn Exposure:

Behavioral Disturbances		Present/Not Present
Neurological Disturbances	Speech Defect	Present/Not Present
	Tremor	Present/Not Present
	Adiadocokinesia	Present/Not Present
	Emotional Changes	Present/Not Present

Enclosed ECG

7. Any other Special Tests Required: No

Signature of the Examination Authority
Seal

Right Ear
Normal/Abnormal
Normal

Types

QRS

QT/QTc

P Axis:-

R Axis:-

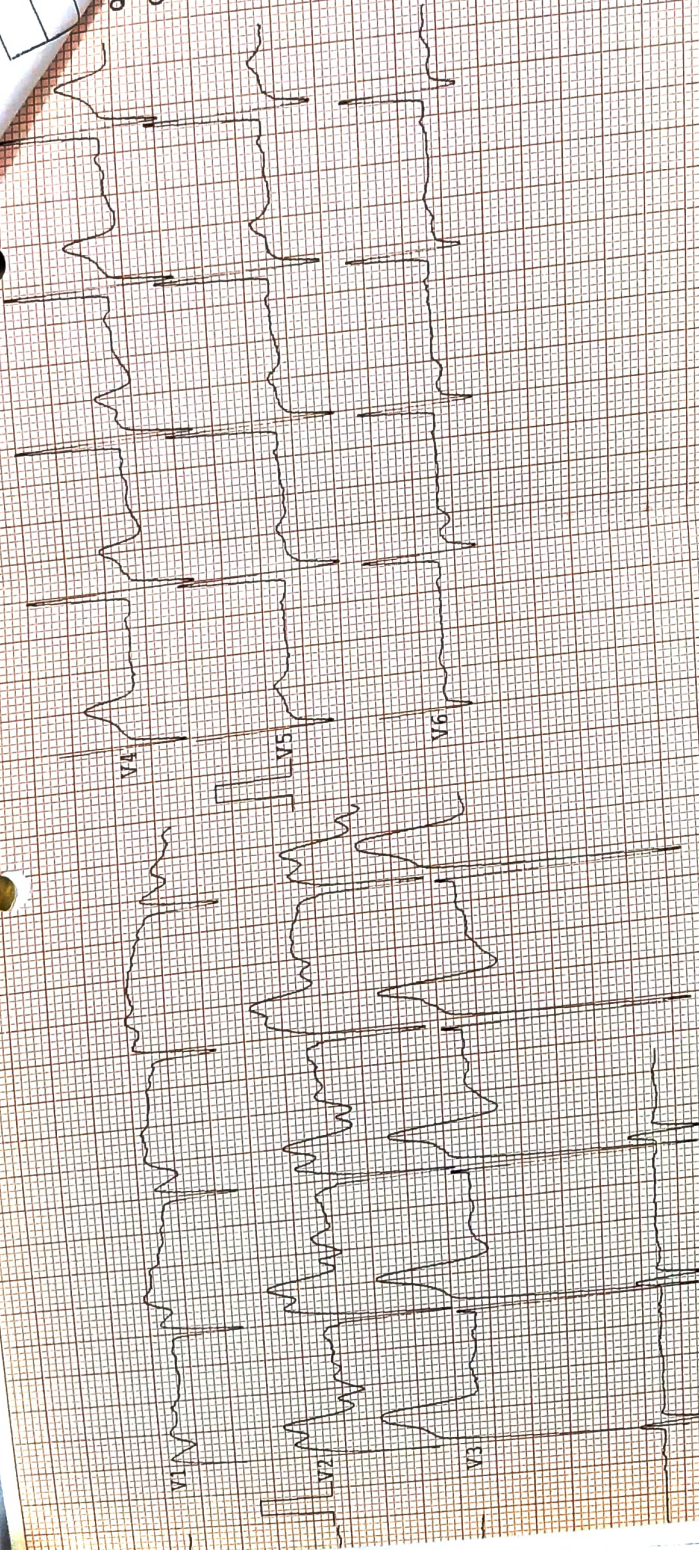
T Axis:-

07

00°

Remarks:-

Unconfirmed report



DEOTALE DIAGNOSTIC CENTRE

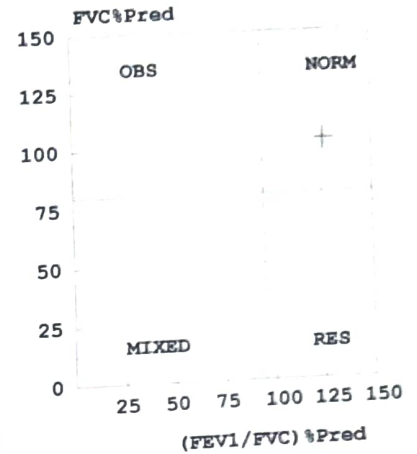
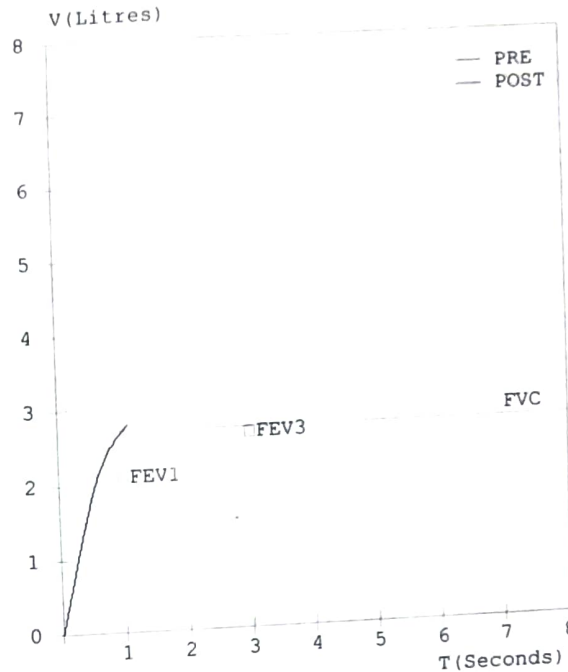
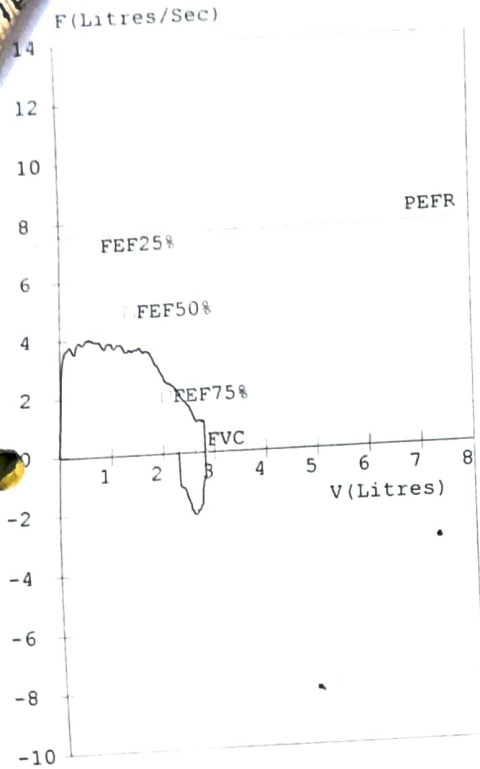
VINAYAK APT DHANTOLI LOKMAT CHOWK NAGPUR

RAJENDRA SINGH

Age : 56 Years
Height : 160 Cms
Weight : 54 Kgs
ID: PRI 1

Gender : Male
Smoker : No
Eth. Corr: 100
Temp : degrees

ms: RECORDERS
19-12-2025 11:26:44



Parameter	FVC Results			
	Pred	M.Pre%Pred	M.Post %Pred	%Imp
FVC (L)	02.73	02.82	103	---
FEV1 (L)	02.09	02.72	130	---
FEV1/FVC (%)	76.56	96.45	126	---
FEF25-75 (L/s)	03.03	03.32	110	---
PEFR (L/s)	07.58	03.94	052	---
FIVC (L)	---	00.53	---	---
FEV.5 (L)	---	01.82	---	---
FEV3 (L)	02.64	02.82	107	---
PIFR (L/s)	---	02.11	---	---
FEF75-85 (L/s)	---	02.00	---	---
FEF.2-1.2 (L/s)	05.29	03.71	070	---
FEF 25% (L/s)	07.21	03.83	053	---
FEF 50% (L/s)	04.88	03.49	072	---
FEF 75% (L/s)	01.92	02.34	122	---
FEV.5/FVC (%)	---	64.54	---	---
FEV3/FVC (%)	96.70	100.00	103	---
FET (Sec)	---	01.10	---	---
ExptTime (Sec)	---	00.05	---	---

Pre Medication Report Indicates
Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70
Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80.

Dr. Deepak Deotale
MBBS, AFH
Reg. No. 48366

☒ Consultation ☒ Diagnostics ☒ Health Check- Ups ☒ Immunization.

Clinic: Vinayak Apt. 3rd floor Dhantoli Lokmat Chowk Nagpur

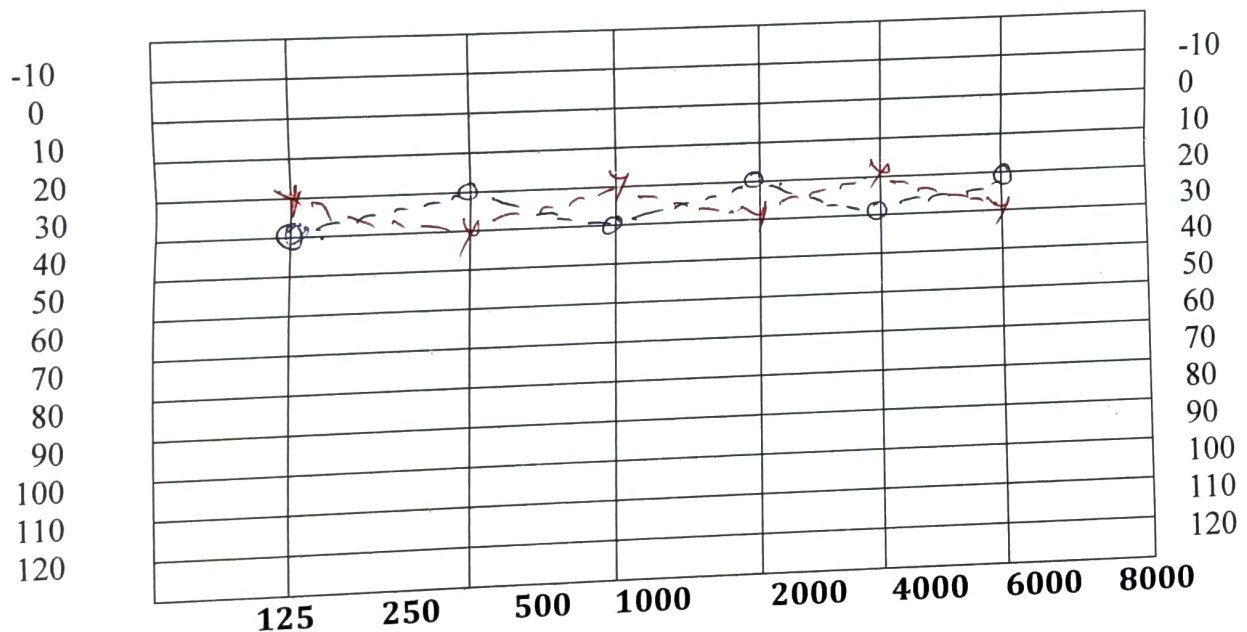
(Clinic Reg. No. 699)

For any assistance call at . 9860204241, 0712-6610595

Date: 19-12-25

AUDIOLOGICAL EVALUATION

1. SR. NO. 1	2. CERTIFICATE NO : 1
3. EMPLOYEES NAME : Rajendra Singh Vanshroop Singh	
4. Employee Mob No : 9406781759	
5. SEX : MALE	6. AGE : 56 yrs
7. ADDRESS : PRISM JOHNSON LIMITED . (SATNA) M.P.	
8. DIAGNOSIS LT. : WNL	RT. : WNL



TEST FREQUENCY

Air O	= LEFT EAR :	WNL
Y	= RIGHT EAR :	WNL
Masking		
No Response: Audiologists Remarks		

Dr. DEEPAK P. DEOTALE
M.B.B.S. A.F.I.H.
Reg. No. 48366
Dr. Deepak Deotale
MBBS, AFIH
Reg. No. 48366

Deotale Diagnostic Centre (we care)

Consultation Diagnostics Health Check- Ups Immunization.

Clinic: Vinayak Apt. 3rd floor Dhantoli Lokmat Chouk Nagpur

For any assistance call at . 9860204241

Email ID : deotaledeepak19577@gmail.com

SPUTUM REPORT

Sr. No.	1
Certificate No	1
FORM A No.	11
EMP CODE	503271
Department	PCL
Designation	HEO
MOB NO	9406781759
CHECK-UP DATE	19-12-25

EMPLOYEES NAME: Rajendra Singh Vanshroop Singh
Gender: MALE
Ht : 159 cms
Wt: 84 Kg
Age : 56 Yrs.
Company Address : PRISM JOHNSON LIMITED . (SATNA) M.P.

SPUTUM AFB : Negative


Dr. DEEPAK P. DEOTALE
M.B.B.S. A.F.I.H.
(Reg. No. 48366)
Dr. Deepak Deotale
MBBS, AFH
Reg. No. 48366

Certificate No

MAYA HOSPITAL & RESEARCH INSTITUTE

Add.: Plot .P 78, Opposite State Bank of India ,

Butibori (Nagpur) Ph 07103-684885

Deotaie Diagnostic Center We Care

Dr

Dr. Deepak P. Deotaie

M.B.B.S., A.F.I.H.

(Associated fellow Of industrial health)

Certifying Surgeon Reg.No. 48366

Clinic : Vinayak Apt. 3rd floor Dhantoli,

Lokmat Chowk, Nagpur (Clinic Reg. No. 699)

Mob. No. 807771241

Email ID: deotaiedepak19577@gmail.com

Consultation = Diagnosis Health = Check-Ups = Immunization

EMPLOYEES ID

503271

Name

Rajendra Singh

Age

56 Yrs.

Gender

MALE

Department

PCL

Designation

HEO

Check Up Date

19-12-25

Mobile Number

9406781759

Company Name: PRIMA HANSON LIMITED. (SATN

IPRL RAJENDRA SINGH 56Y M dr. deepak p. deotaie CHEST PA
MAYA HOSPITAL & RESEARCH INSTITUTE BUTIBORI NAGPUR



MAYA HOSPITAL & RESEARCH INSTITUTE

Add.: Plot .P 78, Opposite State Bank of India , M.I.D.C.

Butibori (Nagpur) Ph 07103-684885

Dr. No	
1	
Certificate No	
1	

Deotale Diagnostic Center We Care

Consultation = Diagnostics Health = Check-Ups = Immunization

Dr. Deepak P. Deotale
M.B.B.S., A.F.I.H.

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Clinic : Vineyak Apt. 3rd floor Dhantoli,

Lokmat Chowk, Nagpur (Clinic Reg. No. 699)

Mob. No.807771241

Email ID: deotaledeepak19577@gmail.com

EMPLOYEES ID	503271
Name	Rajendra Singh
Age	56 Yrs.
Gender	MALE
Department	PCL
Designation	HEO
Check Up Date	19-12-25
Mobile Number	9406781759

Company Name: PRISMA JOHNSON LIMITED. (SATNA) MP

Annexure 12: EMP Expenditure

Environment Management Plan		
1	Air, water, noise Quality monitoring and Protection	1.82
2	Plantation and Greenbelt Development	1.54
3	Haul Road maintenance	1.00
4	Control Blasting and for Blast Vibration Study	0.20
5	Professional Fees/NOCs	3.53
	Total	8.09

No.J-11015/8/2000-IA. II (M)
Government of India
Ministry of Environment & Forests

Tele No. 436 4968
Paryavaran Bhawan,
C.G.O. Complex, Lodi Road,
New Delhi - 110 003

Dated February 14, 2001

To

✓ **Shri U.K.Das**
Joint General Manager (Mines),
Prism Cement Ltd.,
Rajdeep, Rewa Road,
Satna, Madhya Pradesh-485 001

Subject: Additional limestone deposit at village Mankhari, Tehsil
Rampur Dhagelan, District Satna (M.P.) of M/s Prism Cement
Ltd.- Environmental clearance reg.

Sir,

This has reference to ^{the} Department of Mines, Government of Madhya Pradesh letter No. D-3932/2019/99/12/2 dated 24.09.1999 and your letter No. MIN0107/990668 dated 18.11.1999 and subsequent communications dated the 07.04.2000, 12.06.2000, 20.07.2000, 27.09.2000, 18.10.2000, and 01.01.2001 on the subject mentioned above. The Ministry of Environment and Forests has examined the application. It has been noted that the total applied mining lease area is 66.434 ha. Mining would be carried out in 36.434 ha. No forest land is involved. Targeted production capacity of the mine is 0.3 million tonnes/annum. There are only four land oustees in Mankahari village. Approvals from the M. P. Pollution Control Board and IBM have been obtained. Public hearing was held on 11.10.1999. The proponent has agreed to comply with the recommendations made by the Public Hearing panel.

2. The Ministry of Environment and Forests hereby accords environmental clearance to the additional lime-stone deposit of M/s Prism Cement Ltd. for 0.3 million tonnes/annum production capacity by open cast mechanised method, involving lease area of 66.434 ha under the provisions of the Environmental Impact Assessment Notification, 1994 as amended on 04.05.1994 and 10.04.1997 subject to the compliance of the terms and conditions mentioned below:


सरपंच
ग्राम पंचायत मनकहरी
ज.स. रामपुर बाघेलान
जिला संतना (म.प्र.)