



Through E-mail

दूर की सोच®
Date: 01/06/2022

MIN/CM/2022/14

To,
The Director
Ministry of Environment & Forest and Climate Change
Regional Office, Western Region
Kendriya Parayavaran Bhavan
Link Road No. 3
E-5 Ravishankar Nagar
Bhopal- 462016

Sub: - Six monthly compliance report of environment clearance over 176.619 ha area of Limestone Mine of M/s Prism Johnson Ltd in Village Chulhi & Majhiyar, Tehsil Kotar, Dist. Satna (M.P.).

Ref: - Your letter No. J-11015/86/2018-IA.II (M) dated 26/07/2021.

Dear Sir,

This is in reference the above we are enclosing herewith the six-monthly compliance report (period October 2021 to March 2022) of the environmental clearance granted over 176.619 ha Mining Lease area of M/s Prism Johnson Limited (Formerly Prism Cement Ltd.) Satna (M.P.) vide letter no. J-11015/86/2018-IA.II (M) dated 26/07/2021, along with necessary enclosures.

We Hope you will find the same in order.

Thanking you.

Yours faithfully,

For Prism Johnson Limited

HOD- Mines

Chulhi & Majhiyar Limestone Mines

PRISM JOHNSON LIMITED

(Cement Division - Unit II)

Works: Village Mankahari, P.O.-Bathia, Dist. Satna - 485 111 (M.P.) India T: +91-07672-275301 / 302600
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Registered Office: Prism Johnson Limited, 305, Laxmi Niwas Apartments, Ameerpet, Hyderabad - 500 016, India.
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CIN: L26942TG1992PLC014033

Compliance report with Regard to Environment Clearance accorded by MoEF&CC vide letter no.J-11015/86/2018-IA.II(M) dated 26.07.2021

S. No.	Conditions	Compliance Status
A	<i>Specific Conditions</i>	
1	The budget of Ps 1.65 Crores to address the concerns raised by the public including in the public hearing to be completed within 3 years from the date of start of mining operations.	Time bound Action Plan has been sent to the MoEFCC vide letter PJL/MIN/C&M/2022-01A dated 14/03/22. A copy of the same is attached as Annexure 1.
2	The Project Proponent shall undertake the plantation in peripheral zone and ensure that the plantation in peripheral zone and plantation along haul roads should be completed within 3 years from the date of commencement of mining operations with at least 90% survival rate. Casualties of the previous year should be replaced other than the saplings proposed to be planted every year. PP shall provide tree guard to maintain the early stages of plant growth.	Plantation will be done in phase manner in the peripheral zone and along the roads.
3	The Project Proponent shall strictly adhere that the transport of limestone shall be from 8 AM to 8 PM with 25 Ton Tipper with maximum speed of 20 km/hr on public road.	Agreed.
4	The Project Proponent shall implement the Rehabilitation of project affected families (PAFs) and payment of compensation to PAFs as per the policy and guidelines of the Central/State Government, as provided under the law.	Compensation to the PAFs will be as per the policy and guidelines of Madhya Pradesh Govt. and Madhya Pradesh Land Revenue Code, 1959.
5	The Project Proponent should undertake regular monitoring of ground water level and surface water quality and take preventive measures for protection of water bodies within the lease area as well as nearby the mines.	Regular monitoring is being/ will be done for the groundwater level and surface water quality. Safety barrier of 50 m is left from the water bodies within mining lease boundary.
6	The Project Proponent shall conduct the detailed hydrogeological study and obtain the NOC/permission from CGWA before intersection of ground water table. The mining operations shall be restricted to above ground water table and it should not intersect the ground water table till obtain the NCDC from the CCWA.	A detailed Comprehensive Hydrological Study has been conducted and a NOC from CGWA has been obtained for a fresh water abstraction of 3 m ³ / day and dewatering capacity of 300 m ³ /day vide NOC no. CGWA/NOC/MIN/ORIG/2022/14880 valid from 23/03/22 to 22/03/24. A copy of the same is attached as Annexure 2.
7	The Project Proponent shall provide the fresh gas connection to 245 households and 2 no of cylinders per annum.	Time bound Action Plan regarding the same has been sent to the MoEFCC vide letter PJL/MIN/C&M/2022-01A dated 14/03/22. A copy of the same is attached as Annexure 1.
8	The Project Proponent shall obtain the NOC from CGWA for intersection of ground water table.	NOC from CGWA has been obtained for a fresh water abstraction of 3 m ³ / day and

		dewatering capacity of 300 m ³ /day vide NOC no. CGWA/NOC/MIN/ORIG/2022/14880 valid from 23/03/22 to 22/03/24. A copy of the same is attached as Annexure 2 .
9	The topsoil, if any shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	The top soil is being/ will be stacked at earmarked location as per the approved mining plan which will then be used for plantation and reclamation purpose.
10	Regular surveillance on Silicosis shall be carried through regular occupational health checkup of 1/3 of the persons every year.	Occupational health check-ups for the employees and workers are being/ will be carried out.
B.	Standard Conditions	
I	Statutory compliance	
1	This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.	Agreed.
2	The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.	Agreed
3	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.	Agreed.
4	The Project Proponent shall follow the mitigation measures provided in MoEFCC, Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled, "Impact of mining activities on Habitations-Issues related to the mining Projects where Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".	Agreed.
5	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. If any, from whom suggestion / representation has been received while processing the proposal.	A copy of the EC letter has been sent to the Concerned Panchayat.
6	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.	Agreed.

7	<p>The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and website of the Ministry of Environment, Forest and Climate Change (www.parivesh.com). The advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.</p>	<p>The grant of EC was advertised in two local newspapers namely Star Samachar and Dainik Bhaskar both on date 31st July, 2021. A copy of the same is attached as Annexure 3.</p>
8	<p>The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.</p>	<p>Agreed. Shall be done as and when applicable.</p>
<p>II Air quality monitoring and preservation</p>		
9	<p>The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. 8-29016/20/90/PCI/I dated 18.11.2009 covering the aspects of Mining plan and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main gate of mine site.</p>	<p>Agreed. A copy of Air quality monitoring report is attached as Annexure 4.</p>
10	<p>Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM-10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water -soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the Generals prescribed by the MoEFCC/ Central Pollution Control Board.</p>	<p>Dust suppression measures like water sprinkling on the haul road and approach road has been done via water tanker. The monthly air quality monitoring report shows that the parameters are well within the permissible limits prescribed by the CPCB.</p>

III.	Water quality monitoring and preservation	
11	<p>In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEECC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.</p>	<p>NOC from CGWA has been obtained for a fresh water abstraction of 3 m³/ day and dewatering capacity of 300 m³/day vide NOC no. CGWA/NOC/MIN/ORIG/2022/14880 valid from 23/03/22 to 22/03/24. A copy of the same is attached as Annexure 2.</p>
12	<p>Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo -meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six- monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.</p>	<p>Regular monitoring of groundwater quality and levels is being/ will be done and proper records are being/ will be maintained. Its reports will be submitted on six monthly basis to the Regional Office of Ministry, CGWA and State Pollution Control Board.</p>
13	<p>The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease including upstream and downstream. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. The parameters to be monitored shall include their water quality vis-a-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre monsoon (April May), monsoon (August), post monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.</p>	<p>Regular monitoring of surface water quality shall be undertaken four times in year and concerned parameters will be monitored and records of monitoring will be maintained. Records of the monitored data will be sent to concerned authorities on six monthly basis. A copy of the same is attached as Annexure 5.</p>

14	Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO) pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board at a suitable location near the main gate of the Company. The circular No. J 20012/1/2006/IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change, may also be referred in this regard.	Concerned parameters will be monitored regularly and monitored records shall be uploaded on company website.
15	Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.	Rainwater harvesting structures will be built to augment groundwater resources in the area.
16	Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified Generals prescribed from time to time. The Generals shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.	There will not be any waste water generation due to mining activities. The rainwater runoff from the dumps is being/ will be channeled through garland drains and treated by settling pond. Thus treated water is being/ shall be used for dust suppression and irrigation purposes for the plantation fulfilling the zero discharge system.
17	The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of MoEF&CC and State Pollution Control Board/Committee.	A detailed Comprehensive Hydrological Study has been conducted and a NOC from CGWA has been obtained for a fresh water abstraction of 3 m ³ / day and dewatering capacity of 300 m ³ /day vide NOC no. CGWA/NOC/MIN/ORIG/2022/14880 valid from 23/03/22 to 22/03/24. A copy of the same is attached as Annexure 2.
IV.	Noise and vibration monitoring and prevention	
18	The peak particle velocity at 500 m distance or within the nearest habitation whichever is closer shall be monitored periodically as per applicable DGMS guidelines.	Agreed. Ground vibration will be measured on regular basis as per DGMS guidelines.

19	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.	Agreed. Noise level monitoring is being/ shall be done regularly which show that all the ambient noise levels (both, at day and night) are well within the prescribed limits of CPCB guidelines. A copy of the same is attached as Annexure 6 .
20	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personnel/ laborers are working without personal protective equipment.	Agreed. Measures like, HEMM fitted with silencer, controlled blasting, proper maintenance of HEMM are being taken. All the personnel working within dusty areas and with heavy machinery at the mines site are being/ shall be provided with protective equipment, along with adequate training and health awareness.
V.	Mining plan	
21	The Project Proponent shall adhere to approved mining plan, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, OB& dump mining, mineral Mining plan mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land use of the mine lease area at various stages of mining scheme as well as at the end of life; etc.).	Development and production of the mine is being/ will be done as per approved mining plan.
22	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of -life shall be governed as per the approved Mining Plan. The excavation vis-a-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half yearly to the MoEFCC and its concerned Regional Office.	Land use is being/ will be done as per approved mining plan and the compliance status is being/ shall be submitted on half yearly basis to concerned office.
VI.	Land reclamation	
23	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall	Development of the mine is being/ will be as per the approved mining plan. The top soil is being/ will be stacked separately and is being/ will be used for land reclamation and plantation only.

	be used for land reclamation and plantation.	
24	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.	Agreed.
25	Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, Greenbelt development, plantation etc. The drains/ sedimentation sumps etc. shall be silted regularly, particularly after monsoon season, and maintained properly.	Agreed.
26	Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.	Agreed.
VII.	Transportation	

27	<p>No transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Mining plan of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to Mining plan load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].</p>	<p>Road is being/will be properly maintained. Water is being/ will be sprinkled on the transportation road regularly. Also regular monitoring of the transport vehicle is being/ will be done to check vehicular emission.</p>
28	<p>The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while Mining plan. PP shall take necessary measures to avoid generation of fugitive dust emissions.</p>	<p>Water sprinkling is being, will be done by water tankers. There are no crushers, belt conveyors located at the mine site.</p>
VIII.	Greenbelt	
29	<p>The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Greenbelt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.</p>	<p>Agreed.</p>

30	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.	Agreed.
31	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide midday shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.	There are no grazing lands in the mining lease.
IX. Public hearing and human health issues		
32	Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.	Workers working in the mine are locals and the other employees are provided with quarters in the company township.
X. Corporate Environment Responsibility (CER)		
33	The Project Proponent shall submit the time bound action plan to the concerned regional office of the Ministry within 6 months from the date of issuance of environmental clearance for undertaking the activities committed during public consultation by the project proponent and as discussed by the EAC, in terms of the provisions of the MoEF&CC Office Memorandum No.22-65/2017- IA.III dated 30 September, 2020. The action plan shall be implemented within three years of commencement of the project.	Time bound Action Plan has been sent to the MoEFCC vide letter PJL/MIN/C&M/2022-01A dated 14/03/22. A copy of the same is attached as Annexure 1.
XI.	Miscellaneous	

34	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.	Digital map is being/ shall be prepared once every five years and is being/ shall be sent to MOEFCC.
35	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Intimation to RCOM, Indian Bureau of Mines vide letter MIN/PJL/2021/210300 dated 07/12/21 has been attached. Consent to Operate from MPPCB has been obtained vide Consent no. AWH-54521 and Outward no. 113849, 27/10/2021 has been attached & a copy of Permission under 106(2(b) from DGMS vide letter NO:362639 WZ Jabalpur Region Perm 2022 237080, Dhanbad, Date: 31/03/2022 has been attached. These copies are attached as Annexure 7 .
36	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC and its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.	Is being/ will be complied with.
37	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.	A separate Environment Management Cell structure is set-up. A copy of the same is attached as Annexure 8 .
38	The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.	Agreed.
39	In pursuant to Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, the mining lease holder shall after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.	Proper mine closure plan will be prepared and approved 12 months before the closure of the mine encompassing all the conditions stipulated and the work will be carried out as per the approved mine closure plan.
40	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed.

41	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
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PJL/MIN/C&M/2022-01A

दूर की सोच
Date: 14/03/22

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

Sub: Time Bound Action Plan of Corporate Environment Responsibility under Environmental Clearance over 176.619 ha area in Chulhi & Majhiyar Limestone Mines of M/s Prism Johnson Ltd.

Ref.:- Letter no. J-11015/86/2018-IA.II (M) dated 26/07/21- grant of EC.

Dear Sir,

This is in reference to the aforesaid subject and referred letter; we are enclosing herewith the Time Bound Action Plan for the Standard Condition point no. X, Corporate Environment Responsibility, of the Environmental Clearance over 176.619 ha area at Villages Chulhi & Majhiyar, Tehsil Kotar, District Satna (M.P.) of M/s Prism Johnson Ltd. (Formerly Prism Cement Ltd.) Satna (M.P.).

For your kind information please.

Thanking you,

Yours faithfully,

For, Prism Johnson Limited

Authorised Signatory
A.V.P Mines
Prism Johnson Limited

15/3/22
RECEIVED
एकीकृत क्षेत्रीय कार्यालय/Integrated Regional Office
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
Ministry of Environment, Forest & Climate Change,
भारत सरकार, भोपाल/Govt of India, Bhopal
भोपाल/BHOPAL-462016 (M.P.)

PRISM JOHNSON LIMITED

(Cement Division)

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CIN: L26942TG1992PLC014033



Action Plan for Public Hearing Commitments- 176.619 Ha lease at Villages Chulhi & Majhiyar, Tehsil Kotar, District Satna, Madhya Pradesh

S. No.	Activities	Budget in (Lakh)	Action plan		
			1 st Year	2 nd Year	3 rd year
1	6 Computers, 6 Nos. Smart boards, wifi facility and water coolers (6) & RO (6) will be provided in School at Villages Chulhi, Majhiyar & Malgaon.	15	2 nos. Computers 2 no. Smart Board Wi-fi	2 nos. Computers 2 no. Smart Board	2 nos. Computers 2 no. Smart Board
2	Furniture (table & Chair) for 200 students from Class 1 to 8 in school at Villages Chulhi, Majhiyar and Malgaon	10	2 no. water cooler 2 no. RO	2 no. water cooler 2 no. RO	2 no. water cooler 2 no. RO
3	Skill development training center	15	3	3	4
4	Mobile Health Van for Chulhi/ Majhiyar & Malgaon Village	13	13		
5	Drinking Water facility in Villages Chulhi, Majhiyar & Malgaon. (3 Nos Bore 3 Nos Hand pump) and pipeline will be provided	35	1 no. bore well 1 no. hand pump	1 no. bore well 1 no. hand pump	1 no. bore well 1 no. hand pump
6	Construction of Drainage system in Chulhi Village	13	13		
7	Construction of Toilets (40 numbers)	2	20 no.s	10 no.s	10 no.s
8	Playground at Village Majhiyar and Hinoti	20	2		
9	Road repairing from Village Chulhito Nai Basti.	3	0	20	0
10	Solar lights at Villages Chulhi, Majhiyar & Malgaon	10	1	1	1
11	Plantation in Primary School at Adiwasi Basti and government school at Majhiyar & Malgaon along with road (Total plantation 30000)	5	10,000 nos	10,000 nos	10,000 nos
12	Construction of Waiting hall at Majhiyar mod at village Majhiyar	4	0	5	0
13	Boundary wall at Govt. Primary School, Adivasi Basti, Chulhi	10	0	4	0
14	Ground Water Conservation & Water Harvesting Structures	2	3	3	4
15	Gas Connection to 245 houses of villages	8	3	3	2
Total		165			





(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Proposed Limestone Mine_ml Area 176.619 Ha		
Project Address:	Villages Chulhi And Majhiyar, Tehsil Kotar		
Village:	Chulhi	Block:	Rampur Baghelan
District:	Satna	State:	Madhya Pradesh
Pin Code:			
Communication Address:	305, Laxmi Niwas Apartments, Ameerpet, Ameerpet, Hyderabad, Telangana - 500016		
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011		

1. NOC No.:	CGWA/NOC/MIN/ORIG/2022/14880											
2. Application No.:	21-4/1084/MP/MIN/2021	3. Category: (GWRE 2020)	Semi Critical									
4. Project Status:	New Project	5. NOC Type:	New									
6. Valid from:	23/03/2022	7. Valid up to:	22/03/2024									
8. Ground Water Abstraction Permitted:												
	Fresh Water		Saline Water	Dewatering		Total						
	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year				
	3.00	900.00			300.00	90000.00						
9. Details of ground water abstraction /Dewatering structures												
	Total Existing No.:2						Total Proposed No.:0					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	1	0	0	0	0	0	0	0	0	0
Dewatering Structure*	0	0	0	0	1	0	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
10. Ground Water Abstraction/Restoration Charges paid (Rs.):				227250.00								
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.				No. of Piezometers			Monitoring Mechanism					
							Manual	DWLR**	DWLR With Telemetry			
**DWLR - Digital Water Level Recorder				1			0	1	0			

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

दैनिक भास्कर

आम सूचना

सर्वसाधारण को सूचित किया जाता है कि प्रिज्म जॉनसन लिमिटेड, ग्राम मनकहरी, जिला सतना को पर्यावरण और जलवायु परिवर्तन मंत्रालय (MOEF&CC), भारत सरकार द्वारा पत्र क्रमांक F.No.J-11015/86/2018-IA.II(M) दिनांक 26.07.2021 के माध्यम से जिला सतना के तहसील कोटर अंतर्गत ग्राम चूल्ही एवं मझियार में खनिज चूना पत्थर उत्खनन हेतु 176.619 हे. क्षेत्र पर पर्यावरणीय स्वीकृत प्रदान की गयी है। पर्यावरणीय स्वीकृत की प्रति/ विस्तृत जानकारी म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण और जलवायु परिवर्तन मंत्रालय (MOEF&CC), भारत सरकार की वेबसाइट <https://moef.gov.in> पर उपलब्ध है। सूचना सर्वसाधारण की जानकारी हेतु प्रकाशित की जा रही है।

वास्ते- प्रिज्म जॉनसन लि., मनकहरी
जिला- सतना (म.प्र.)

Date
31/07/21

To

Core Committee

For your kind information please

Regards

Priz

आम सूचना

सर्व साधारण को सूचित किया जाता है कि प्रिज्म जॉनसन लिमिटेड, ग्राम मनकहरी, जिला-सतना को पर्यावरण और जलवायु परिवर्तन मंत्रालय (MOEF&CC), भारत सरकार द्वारा पत्र क्रमांक F.No.J-11015/86/2018-IA.II(M) दिनांक 26.07.2021 के माध्यम से जिला-सतना के तहसील कोटर अंतर्गत ग्राम चूल्ही एवं मझियार में खनिज चूना पत्थर उत्तखनन हेतु 176.619 है. क्षेत्र पर पर्यावरणीय स्वीकृत प्रदान की गयी है।

पर्यावरणीय स्वीकृत की प्रति/विस्तृत जानकारी म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण और जलवायु परिवर्तन मंत्रालय (MOEF&CC) भारत सरकार की वेबसाइट <https://moef.gov.in> पर उपलब्ध है। सूचना सर्व साधारण की जानकारी हेतु प्रकाशित की जा रही है।

वास्ते-प्रिज्म जॉनसन लि.,
मनकहरी जिला-सतना (म.प्र.)

Date

31/07/21

To

Core Committee

for your kind information please

Regards

PKS


**AIR QUALITY MONITORING REPORT FOR MINES
MONTH - MARCH 2022**

1. NAME & ADDRESS OF FACTORY : (PRISM JOHNSON LIMITED)
Chulhi & Majhiyar Limestone Mines - 176.619Ha)
VILLAGE: Chulhi & Majhiyar
POST : Kotar
DISTT : SATNA (M.P.)
2. NAME OF PERSON PREPARED THE REPORT : Garima Sharma
3. AMBIENT AIR QUALITY MONITORING
1. DURATION : 8X3=24Hrs.
2. DISTANCE FROM FACTORY :
LOCATION (1) - Village Chulhi
LOCATION (2) - Village Majhiyar
LOCATION (3) - Village Malgaon
LOCATION (4) - Village Hinauti
3. WIND DIRECTION : MENTIONED IN THE TABLE

Sl No.	Date	Location (1)						Location (2)						Location (3)						Location (4)						Wind		
		PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM 2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	BDL	From	SE
1	10.03.2022	23.4	46.5	14.5	13.7	BDL	28.44	42.8	14.5	16.54	BDL	28.56	44.5	14.8	17.5	BDL	28.56	44.5	14.8	17.5	BDL	28.22	45.4	15.84	16.2	BDL	SE	SE
2	24.03.2022	26.4	44.3	15.2	12.8	BDL	28.55	41.8	16.75	17.5	BDL	29.65	44.6	15.8	15.6	BDL	29.65	44.2	16.75	14.5	BDL	29.8	44.2	16.75	14.5	BDL	SE	SE

BDL - Below Detectable Limit


Sumitabh Dwivedi
Sr. Manager- Environment
Prism Johnson Ltd. Satna (M.P.)


Manoj Kumar Kashyap
Asst. Vice President
Prism Johnson Ltd. Satna (M.P.)

ECOMEN LABORATORIES PVT. LTD.

Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

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LABORATORIES PVT LTD.

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO: ECO LAB/DW/1525/12/21

TEST REPORT ISSUE DATE: 13.01.2022

TEST REPORT OF DRINKING WATER*

Name of the Company : M/s. Prism Johnson Ltd.

Address of the Company : Village Mankahari, Tehsil Rampur Baghelan
Distt. Satna (M.P.)

Sampling Method : APHA/ IS: 3025

Sample Collected by : Mr. Anish Singh

Sample Quantity : As per requirement.

Date of Sampling : 29.12.2021

Date of Receiving : 03.01.2022

Date of Analysis : 03.01.2022 to 07.01.2022

Source of Sample : Malgaon Village – Hand Pump

Sample ID Code : ELW-15287

Sl. No.	TESTS	PROTOCOL	RESULT	Detection Range	INDIAN STANDARDS as per IS 10500:1991(Reaff:2012)	
					Desirable	Permissible
1.	Colour (Hazen unit)	APHA, 23 rd Ed. 2017, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	APHA, 23 rd Ed. 2017, 2150 B	Agreeable	Qualitative	Agreeable	Agreeable
3.	Taste	APHA, 23 rd Ed. 2017, A+B	Agreeable	Qualitative	Agreeable	Agreeable
4.	Turbidity as (NTU)	APHA, 23 rd Ed. 2017, 2130-A+B	BDL	1 - 100	1.0	5.0
5.	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.31	2.0 -12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23 rd Ed. 2017, 2540-C	582.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23 rd Ed. 2017, 2320 A+B	204.0	5-1500	200	600
8.	Total Hardness as CaCO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 2340 A+C	220.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23 rd Ed. 2017, 3500 Ca A+B	65.6	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23 rd Ed. 2017, 3500 Mg A+B	13.60	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23 rd Ed. 2017, 4500 Cl A+B	36.0	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23 rd Ed. 2017, 4500-C	0.39	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23 rd Ed. 2017, 4500-SO ₄ ²⁻ E	71.50	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 4500-NO ₃ ⁻ B	23.5	5.0 - 100	45.0	No Relax.
15.	Manganese as Mn (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.1-5	0.10	0.30
16.	Zinc as Zn (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	0.21	0.02-50	5.0	15
17.	Lead as Pb (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.01-2	0.01	No Relax.
18.	Cadmium as Cd (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.002-2	0.003	No Relax
19.	Nickel as Ni (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.02-5	0.02	No Relax
20.	Arsenic as As (mg/l)	APHA, 23 rd Ed. 2017, 3114 C	BDL	0.01-2	0.01	0.05
21.	Total Chromium as Cr (mg/l)	APHA, 23 rd Ed. 2017, 3111 - A+B	BDL	0.04-10	0.05	No Relax
22.	Mercury as Hg (mg/l)	APHA, 23 rd Ed. 2017, 3112 A+B	BDL	0.601-1	0.001	No Relax.
23.	Copper as Cu (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.05-5	0.05	1.5
24.	Boron as B (mg/l)	APHA, 23 rd Ed. 2017, 4500 B A+C	BDL	0.2 - 10	0.5	1.0
25.	Aluminium as Al (mg/l)	APHA, 23 rd Ed. 2017 (3111-A+B)	BDL	1.0-100	0.03	0.2
26.	Free Residual Chlorine (mg/l)	APHA, 23 rd Ed. 2017, 4500-Cl B	BDL	0.5-10	0.20	1.0
27.	Sulphide as H ₂ S (mg/l)	APHA, 23 rd Ed. 2017, Reprint 2007	BDL	0.04-10	0.05	No Relax
28.	Iodide as I (mg/l)	APHA, 23 rd Ed. 2017, 4500 - IB	BDL	0.1-10	-	-
29.	Iron as Fe (mg/l)	APHA, 23 rd Ed. 2017, 3500 Fe B	0.25	0.02-50	0.3	No Relax.
30.	Total coliform (MPN/100 ml)	APHA, 23 rd Ed. 2017, 9221 B+C	Absent	1.8	Absent	Absent
31.	E.coli (Nos/100)	APHA, 23 rd Ed. 2017, 9221B+E	Absent	1.8	Absent	Absent

*The result are related only to item tested.

BDL = Below Detection Limit

Verified By

Technical Manager

Authorized By


Quality Manager

ECOMEN LABORATORIES PVT. LTD.

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LABORATORIES PVT. LTD.

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO: ECO LAB/DW/1525/12/21

TEST REPORT ISSUE DATE: 13.01.2022

TEST REPORT OF DRINKING WATER*

Name of the Company : M/s. Prism Johnson Ltd.

Address of the Company : Village Mankahari, Tehsil Rampur Baghelan
Distt. Satna (M.P.)

Sampling Method : APHA/ IS: 3025

Sample Collected by : Mr. Anish Singh

Sample Quantity : As per requirement.

Date of Sampling : 29.12.2021

Date of Receiving : 03.01.2022

Date of Analysis : 03.01.2022 to 07.01.2022

Source of Sample : Chullhi Village - Bore Well

Sample ID Code : ELW-15295

Sl. No.	TESTS	PROTOCOL	RESULT	Detection Range	INDIAN STANDARDS as per IS 10500:1991(Reaff:2012)	
					Desirable	Permissible
1.	Colour (Hazen unit)	APHA, 23 rd Ed. 2017, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	APHA, 23 rd Ed. 2017, 2150 B	Agreeable	Qualitative	Agreeable	Agreeable
3.	Taste	APHA, 23 rd Ed. 2017, A+B	Agreeable	Qualitative	Agreeable	Agreeable
4.	Turbidity as (NTU)	APHA, 23 rd Ed. 2017, 2130-A+B	1.10	1 - 100	1.0	5.0
5.	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.37	2.0 -12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23 rd Ed. 2017, 2540-C	448.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23 rd Ed. 2017, 2320 A+B	168.0	5-1500	200	600
8.	Total Hardness as CaCO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 2340 A+C	256.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23 rd Ed. 2017, 3500 Ca A+B	59.20	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23 rd Ed. 2017, 3500 Mg A+B	26.24	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23 rd Ed. 2017, 4500 Cl A+B	83.50	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23 rd Ed. 2017, 4500-C	0.44	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23 rd Ed. 2017, 4500-SO ₄ ²⁻ E	112.0	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 4500-NO ₃ ⁻ B	18.75	5.0 - 100	45.0	No Relax.
15.	Manganese as Mn (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.1-5	0.10	0.30
16.	Zinc as Zn (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	0.27	0.02-50	5.0	15
17.	Lead as Pb (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.01-2	0.01	No Relax.
18.	Cadmium as Cd (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.002-2	0.003	No Relax
19.	Nickel as Ni (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.02-5	0.02	No Relax
20.	Arsenic as As (mg/l)	APHA, 23 rd Ed. 2017, 3114 C	BDL	0.01-2	0.01	0.05
21.	Total Chromium as Cr (mg/l)	APHA, 23 rd Ed. 2017, 3111 - A+B	BDL	0.04-10	0.05	No Relax
22.	Mercury as Hg (mg/l)	APHA, 23 rd Ed. 2017, 3112 A+B	BDL	0.001-1	0.001	No Relax.
23.	Copper as Cu (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.05-5	0.05	1.5
24.	Boron as B (mg/l)	APHA, 23 rd Ed. 2017, 4500 B A+C	0.24	0.2 - 10	0.5	1.0
25.	Aluminium as Al (mg/l)	APHA, 23 rd Ed. 2017 (3111-A+B)	BDL	1.0-100	0.03	0.2
26.	Free Residual Chlorine (mg/l)	APHA, 23 rd Ed. 2017, 4500-Cl B	BDL	0.5-10	0.20	1.0
27.	Sulphide as H ₂ S (mg/l)	APHA, 23 rd Ed. 2017, Reprint 2007	BDL	0.04-10	0.05	No Relax
28.	Iodide as I (mg/l)	APHA, 23 rd Ed. 2017, 4500 - IB	BDL	0.1-10	-	-
29.	Iron as Fe (mg/l)	APHA, 23 rd Ed. 2017, 3500 Fe B	0.15	0.02-50	0.3	No Relax.
30.	Total coliform (MPN/100 ml)	APHA, 23 rd Ed. 2017, 9221 B+C	Absent	1.8	Absent	Absent
31.	<i>E.coli</i> (Nos/100)	APHA, 23 rd Ed. 2017, 9221B+E	Absent	1.8	Absent	Absent

*The result are related only to item tested.

BDL = Below Detection Limit

Verified By

Technical Manager

Authorized By


Quality Manager

Ecomen Laboratories Pvt. Ltd.
Second Floor Hall, House No. B-1/8,

PRISM JOHNSON LIMITED
SATNA (M.P.)

AMBIENT NOISE MONITORING REPORT


MONTH – JANUARY 2022


1. Name and address of Factory : **PRISM JOHNSON LTD.**
: Chulhi & Majhiyar Limestone Mines
(176.619Ha)

Village- Chulhi & Majhiyar
Post - Kotar
Distt - Satna (M.P) - 485111

2. Name of person prepared the report : Garima Sharma
3. Details of noise monitoring :-

Sr.no	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Village Chulhi	14.01.22	52.4	44.9
2	Village Majhiyar	14.01.22	49.2	42.1
3	Village Malgaon	14.01.22	47.0	41.7
4.	Village Hinauti	14.01.22	50.6	45.4


Sumitabh Dwivedi
Sr. Manager – Environment


Manoj Kumar Kashyap
Asst. Vice President

PRISM JOHNSON LIMITED
SATNA (M.P.)

AMBIENT NOISE MONITORING REPORT

MONTH – FEBRUARY 2022

1. Name and address of Factory : **PRISM JOHNSON LTD.**
: Chulhi & Majhiyar Limestone Mines
(176.619Ha)

Village- Chulhi & Majhiyar
Post - Kotar
Distt - Satna (M.P) - 485111

2. Name of person prepared the report : Garima Sharma
3. Details of noise monitoring :-

Sr.no	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Village Chulhi	14.02.22	50.4	43.9
2	Village Majhiyar	14.02.22	47.2	45.1
3	Village Malgaon	14.02.22	48.0	42.7
4.	Village Hinauti	14.02.22	51.6	45.4



Sumitabh Dwivedi
Sr. Manager – Environment



Manoj Kumar Kashyap
Asst. Vice President

PRISM JOHNSON LIMITED
SATNA (M.P.)

AMBIENT NOISE MONITORING REPORT


MONTH –MARCH 2022

1. Name and address of Factory : **PRISM JOHNSON LTD.**
:Chulhi &Majhiyar Limestone Mines
(176.619Ha)

Village- Chulhi &Majhiyar
Post - Kotar
Distt - Satna (M.P) - 485111

2. Name of person prepared the report : Garima Sharma
3. Details of noise monitoring :-

Sr.no	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Village Chulhi	16.03.22	59.4	51.7
2	Village Majhiyar	20.03.22	57.6	50.3
3	Village Malgaon	20.03.22	62.2	54.7
4.	Village Hinauti	14.03.22	58.9	52.8


Sumitabh Dwivedi
Sr. Manager – Environment


Manoj Kumar Kashyap
Asst. Vice President



01C



Date: 11-04-2022
No. PJL/MRM/2022-23/23

To,
Collector,
Mining Branch, Satna
District Satna, M.P.


Subject: Notice for commencement of production and despatch from lease area (Chulhi & Majhiyar, mining lease) 176.619 ha, Tehsil Kotar, District Satna, M.P. as per provisions of clause 5.1(a&b) of MDPA.

Sir,

With reference to the aforesaid subject, mining lease area 176.619 ha granted under the villages Chulhi & Majhiyar, tehsil Kotar, district of Satna production has commenced on 08.04.2022. As per the provisions of clause 5.1(b) of MDPA, intimation pertaining to the production and despatch is to be submitted. As per provisions of MCR 2016 notice for opening of mine in Form-C has already been served to your good office on dated 07.12.2021 and copy of the same is enclosed herewith for your easy reference.

Kindly treat this letter as a notice for commencement of production and despatch of limestone mineral from the aforesaid mines area please.

For, Prism Johnson Limited


Vinod Shrivastava
Vice President (Mines & MRM)

Enlc: Copy of Form-C.

PRISM JOHNSON LIMITED
(FORMERLY PRISM CEMENT LIMITED)
(Cement Division)

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





MIN/PJL/2021/

Date: 07.12.2021

दूर की सोच®

To,
The Regional Controller of Mines
Indian Bureau of Mines, Jabalpur
Scheme No. 11, IBM Colony,
Kamla Nehru Nagar,
Jabalpur – 482002

Sub: Notice of intimation of opening / reopening of mine, in form C of Chulhi Majhiyar Limestone Mine of M/s Prism Johnson Ltd. over an area of 176.619 Hect. in village Chulhi & Majhiyar.

Dear Sir,

Please find the notice in form C of notice of opening / reopening of our mine, Chulhi Majhiyar Limestone Mine of M/s Prism Cement Limited over an area of 176.619 Hectare in village Chulhi & Majhiyar, Tehsil Kotar District Satna (M.P.)

We hope you will find the same in order.

Yours faithfully

For Prism Johnson Limited,

Vinod Shrivastava

Vice President & Agent-Mines

Chulhi Majhiyar Limestone Mines

Encl: As above

CC:

1. The Chief Controller of Mines, Indian Bureau of Mines NAGPUR- 440 001
2. The Controller of Mines, Central Zone, Indian Bureau of Mines NAGPUR- 440 001
3. The Directorate of Geology & Mining 29-A, Khanij Bhawan, Arera Hills, Bhopal – 462011
4. The Mining Officer, Collectorate, District Satna(M.P.) - 485001

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



FORM-C

(Notice of intimation of opening-reopening of mine-change in the name of mine)

[See rule 20, 29 & 49]

IMPORTANT INSTRUCTIONS FOR FILLING THE FORM

- This Form, duly filled in must reach the concerned authorities as prescribed within the rule, within fifteen days of the opening or reopening and within thirty days in case of change in the name of mine, by online or Email.
- This should be sent to the Regional Controller in whose territorial jurisdiction the mineral concession falls as notified from time to time by the Controller General, Indian Bureau of Mines, under rule 66 of the Mineral Conservation Development Rules, 2016.
- The form should be digitally signed by the concerned person.

To	Copy for information to
The Regional Controller Mines, Indian Bureau of Mines, Jabalpur - 482002	1. The Chief Controller of Mines, Indian Bureau of Mines, Nagpur - 440 001
	2. The Controller of Mines Central Zone Indian Bureau of Mines, Nagpur - 440 001
	3. State Government concerned.
	i) The Directorate of Geology & Mining 29-A, KhanijBhawan, Arera Hills, Bhopal – 462011
	ii) Mining Officer, Collectorate Dhawari, Satna(MP)-485001
1. IBM Registration Number	IBM/267/2011
2. Mining Lease Code	3285
3. Mine Code	267/38MPR35358
4. Name of mine -Old name of mine (in case of change in name)	Not Applicable
5. Name and address of the lessee-owner	Shri Vivek K. Agnihotri Executive Director & CEO – (Cement) Prism Johnson Limited "Rahejas" Plot No. 8E, Main Avenue Vallabh Bhai Patel Road Santacruz (W) Mumbai - 400 054
6. Date of opening-reopening of mine	04.12.2021
7. In case of reopening, date of discontinuation	Not Applicable
8. Particulars of the Mining Lease (ML)	ML Order No : F3-60/2008/12/1, Dtd: 22.07.2019
9. Location of the Mining Lease	
i) Village: Chulhi & Majhiyar Taluka/Tahsil : Kotar Distt. : Satna	
ii) Post Office: Malgaon Police Station : Rampur Baghelan Distt.: Satna	
iii) Nearest railway station: Satna Distance : 15 Km	
iv) Nearest Rest House/Dak Bangalow : Satna	
10. Name and address of previous owner if any and the	Not Applicable

date of abandonment of Mine

11. Name and address of Agent of Mine

Name	Address	E-mail.	Mobile no.
Shree Vinod Shrivastava	M/s Prism Johnson Ltd. "Rajdeep", Rewa Road, Satna (MP)-485 001	vinod.shrivastava@prismjohnson.in	9584464612

12. Particulars of Mining Engineer employed in the mine:

(ii) Qualification :

(iii) Date of appointment :

(iv) Status of employment: Whole time Part time

Shri Dharmendra kumar singh

M/s Prism Johnson Ltd.

"Rajdeep", Rewa Road, Satna (MP)-485 001
Diploma (mining and mine surveying) with
First class certificate of competency issued by
the DGMS

06.12.2021

Whole time

13. Particulars of Geologist employed in the mine

(ii) Qualification :

(iii) Date of appointment :

(iv) Status of employment: Whole time Part time

Shri Santosh Kumar

M/s Prism Johnson Ltd.

"Rajdeep", Rewa Road, Satna (MP)-485 001

M. Tech (Applied Geology)

06.12.2021

Whole time

14. Particulars of Manager employed in the mine

(ii) Qualification :

(iii) Date of appointment :

(iv) Status of employment: Whole time Part time

15. Letter No. and date through which the mining
plan was approved by the Indian Bureau of
Mines or State Government concerned

Shri Dharmendra kumar singh

M/s Prism Johnson Ltd.

"Rajdeep", Rewa Road, Satna (MP)-485 001
Diploma (mining and mine surveying) with
First class certificate of competency issued by
the DGMS

06.12.2021

Whole time

Letter No.: MP/Satna/ Limestone/MPLN-
G30/18-19/7478 Dated 09.01.2019

Place: PJL, Satna

Signature:



Date:07.12.2021

Name in full: Vinod Shrivastava

Designation: Owner / Agent / Mining Engineer / Manager

 सत्यमेव जयते	<p>भारत सरकार Govt. of India श्रम एवं रोजगार मंत्रालय Ministry of Labour & Employment खान सुरक्षा महानिदेशालय Directorate-General of Mines Safety</p>	
NO: 362639 WZ Jabalpur Region Perm 2022 237080		Dhanbad, Date: 31/03/2022

From

The Director of Mines Safety,
Jabalpur Region.

To,

The Agent,
Chulhi - Majhiyar Limestone Mine
Prism Johnson Limited
Village -Chulhi - Majhiyar, Post- Goraiya
Teh. Kotar, Distt. Satna (M.P.)

Sub : Relaxation from the provision of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 to work the mine by opencast method with deployment of Heavy Earth Moving Machinery in conjunction with deep hole drilling and blasting at Chulhi - Majhiyar Limestone mine of M/s Prism Johnson Limited.

Sir,

Please refer to your letter No. PJJ/MIN/2022-22028 dated 07/02/2022 and online application ID 237080 dated 25.02.2022 and the plan No PJJ/C/2022/102 dated 02.02.2022 enclosed therewith on the above subject.

The matter has since been examined in this Directorate on the basis of information furnished and also shown on the plan submitted by you.

In exercise of the powers conferred on the Chief Inspector of Mines (also designated as Director General of Mines Safety) under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 and by virtue of the authorization granted to me by the Chief Inspector of Mines (also designated as Director General of Mines

Safety) under Section 6(1) of the Mines Act, 1952, I hereby grant you relaxation from the provision of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 to work the mine by opencast method with deployment of Heavy Earth Moving Machinery in conjunction with deep hole drilling and blasting at Chulhi - Majhiyar Limestone mine of M/s Prism Johnson Limited in Block-1 (bounded in A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-8, A-9, A-10, A-11, A-12, A-13, A-14, A-15, A-16, A-17, A-18, A-19, A-20, A-1) in Eastern part of the lease and Block-2 (bounded in B-1, B-2, B-3, B-4, B-5, B-6, B-7, B-8, B-9, B-10, B-11, B-12, B-13, B-14, B-15, B-16, B-17, B-18, B-19, B-20, B-21, B-22, B-23, B-24, B-25, B-26, B-27, B-28, B-29, B-30, B-31, B-32, B-33, B-1) in South - Western part of the lease as shown on Plan No. PJI/C/2022/102 dated 02.02.2022 subject to the strict compliance of the following conditions:-

1. GENERAL :

1. 1 Except where otherwise provided for in this conditional permission, all provisions of the Metalliferous Mines Regulations, 1961, relating to opencast workings, use of explosives and machinery, etc., shall be strictly complied with.
1. 2 No Deep hole blasting shall be carried out within 300m of any structure not belonging to the owner unless permitted by this Directorate in writing under Regulation 164 (1)(b) of the Metalliferous Mines Regulations.
1. 3 No working shall be made or extended to any point within 45m of any structure not belonging to the owner.
1. 4 No Mining operations shall be carried out beyond day light hours.
1. 5.1 Embankment designed and constructed on sound civil engineering principles to serve as dam shall be provided and maintained around the opencast workings. The top of the embankment shall have a reduced level of atleast 289m in the Block -1 and atleast 291m in the Block -2.
- 1.5.2 A danger level mark with RL at 184m shall be fixed for block -1 and 187m shall be fixed for block -2. Suitable emergency plan shall be put into operation whenever water level in Tamas River touches this level or remains above it.
1. 5.3 Withdrawal level shall be fixed sufficiently below the toe of the embankment if embankment provided is not constructed on sound civil engineering principles.
1. 5.4 Float operated alarm switch shall be installed at a suitable point on the bank of Tamas River to give audio visual alarms at attendance office, manager's office, engineer's office and at manager's residence

whenever level of water in Tamas River touches or remains above danger mark. Float operated alarms shall be provided with alternate source of power so that it remains operational even during total failure of MPEB power supply.

1.5.5 Float operated alarms shall be maintained constantly operational and effectiveness of the system shall be checked by the engineer once in every day during the rainy season. Records of the same shall be maintained in a bound paged book which shall be countersigned by the manager every day.

1.5.6 Sufficient number of poles with RL marked at interval of 0.5m shall be installed in / at the bank of Tamas River. All such poles shall be visible (at all times of day and night) from a suitably located hut, from the bank of Tamas River. At least one guard in each shift shall be posted to keep watch on the level of water. The guard shall personally inform manager as and when level of water in the River touches or remains above danger mark.

1.6 No blasting shall be conducted in Block –II during school time.

2.0 Opencast workings:

2.1 Height and width of benches

(a) The height of the benches in overburden/ore body or other rock formation shall not be more than the digging height of the machine used for digging, excavation or removal, and in any case it shall not be more than 6.0m.

(b) The width of any bench shall not be less than:-

- i. The width of the widest machine plying on the bench plus two meters, or
- ii. if dumpers ply on the bench - three time the width of the dumper, or
- iii. the height of the bench, whichever is more.

3.0 General:

3.1 Quarrying operations shall be conducted from top downwards.

3.2 The provisions of Sub-regulation (4) & (5) of Regulation 106 shall be complied with.

3.3 When persons are employed within 5m of the working faces, adequate precautions shall be taken to ensure their safety by dressing the sides of the benches.

3.4 Special care shall be taken when any slip or other planes of weakness or other geological disturbances exist, so as to prevent danger to the work-persons.

3.5 No person shall be engaged or work or allowed to travel close to high sides/benches, from which he is likely to fall for more than 1.8m vertically down, unless he is provided with and uses a safety belt or rope.

4.0 Fencing around Opencast Workings:

4.1 The top edge of the opencast working shall be kept fenced with wire rope strands or barbed wire, supported by (movable) posts of timber, iron or concrete. The gap between the adjacent rope strands or wires shall not be more than 0.30m and bottom most rope, strand or wire shall not be more than 0.25m and the topmost rope, strand or wire shall not be less than 1.0m from ground level.

4.2 At the finishing stage, opencast working shall be fenced with a masonry wall using lime mortar not less than 0.40m thick and not less than 1.2m high, with a parapet top.

5.0 Haul Roads for trucks, tippers and dumpers etc.

5.1 All roads for trucks, dumpers or other mobile machinery shall be maintained in good condition.

5.2 Where practicable, all roads from the opencast workings shall be arranged to provide one-way traffic. Where this is not practicable, no road shall be of a width less than three times plus 5m width of the largest vehicle plying on that road.

5.3 All corners and bends in roads shall be made in such a way that the operator of vehicles has a clear view of distance of not less than 30 meters, along the road. Where it is not possible to ensure a visibility for a distance of 30 m, there shall be provided with two roads of width not less than 2 times plus 3m of largest vehicle plying on the road with a strong road divider at centre with adequate lighting and reflector along the divider

5.4 No road shall have a gradient more than 1 in 16 at any place, except for ramps over small stretches not exceeding 10m in length, where gradient up to 1 in 10 may be permitted.

5.5 Where any road exists above level of the surrounding area, it shall be provided with strong parapet wall/embankment of following dimensions:

- i. Width at top-not less than 1 m.
- ii. Width at bottom-not less than 2.5m.
- iii. The height not less than the diameter of tyre of largest vehicle plying on road.

It may be noted that just dumping of mud or Overburden shall not treated as strong parapet wall.

5.6 Separated haul road shall be provided for light vehicles plying in the mine premises. Where it is not practicable, definite turnouts, crossing points and waiting points shall be designated for use of Vehicles.

6.0 Precautions-while drilling:

6.1 The position of every hole to be drilled shall be distinctly marked by the Mine Foreman so as to be readily seen by the drillers.

6.2 (a) No drilling shall be commenced in an area where shots have been fired, until the blaster has made a thorough examination at all places, including remaining sockets of old holes, for unexploded charges that the drill may strike.

(b) No drill or bore rod or pick shall be inserted in sockets of old holes even if an examination under Clause (a) has failed to reveal presence of explosives.

6.3 No person shall be permitted to remain within a radius of 20 m or within 60 m on the same bench where charging of holes with explosives is being carried out.

7.0 BULK TRANSPORT OF EXPLOSIVES:

Where explosives are being transported in bulk for deep-hole blasting, the following provisions shall apply:-

7.1 Transport of explosives from the magazine to the priming station or the site of blasting shall not be done except in day light and in the original wooden or card board packing cases. The quantity of explosives transported at one time to the site of blasting shall not exceed the actual quantity required for use in one round of shots. The explosives shall be transported to the site of blasting not more than 30 minutes before the commencement of charging of holes.

7.2 (a) No mechanically propelled vehicle shall be used for transportation of explosives unless it is of a type approved in writing by the Chief Inspector, provided that a jeep or Land Rover may be used for the transport of detonators from magazine to "priming station" subject to the following conditions :

- (i) Not more than 200 detonators are transported in a vehicle at a time;
- (ii) the detonators are packed suitably in a wooden box;

(iii) the wooden box containing detonators is placed inside another metal case of a construction approved by the Chief Inspector;

(iv) the outer metal case shall be suitably bolted to the floor of the vehicle or otherwise fixed in a wooden frame so that the container is not displaced while the vehicle is in motion; and

(v) no person shall ride on the rear portion of vehicle.

(b) Every vehicle used for transport of explosive shall be marked or placarded, on both sides and ends, with the word EXPLOSIVE in red letters not less than 25 centimeters high on a white background.

(c) Every mechanically propelled vehicle transporting explosives shall be provided with not less than two fire extinguishers (one of Carbon Tetra Chloride type for petroleum fire and the other of Carbon Dioxide under pressure type for electrical fire) suitably placed for immediate use.

7.3 (a) the vehicle used for transport of explosive shall not be overloaded, and in no case shall the explosive cases be piled higher than the sides of its body.

(b) Explosives and detonators shall not be transported in the same vehicle.

7.4 (a) No person other than the driver and his helper (not below 18 years of age) shall ride on a mechanically propelled vehicle used for the transport of explosives.

(b) A vehicle loaded with explosives shall not be left unattended.

(c) The engine of a vehicle transporting explosives shall be stopped and the brakes set securely before it is loaded or unloaded or left standing.

(d) A vehicle transporting explosives shall not be driven at a speed exceeding 25 kilometers per hour.

(e) A vehicle loaded with explosives shall not be taken into garage or repair shop and shall not be parked in a congested place.

(f) A vehicle transporting explosives shall not be refuelled except in emergencies; even then its engine shall be stopped and other precautions taken to prevent accidents.

(g) No trailer shall be attached to a vehicle transporting explosives.

7.5 (a) Every vehicle used for the transport of explosives shall be carefully inspected once in every 24 hours by a competent person, to ensure that :

(i) fire extinguishers are filled and are in place;

(ii) the electric wiring is well insulated and firmly secured;

(iii) the chassis, engine and body are clean and free from surplus-oil and grease;

(iv) the fuel tank and feed lines are not leaking; and

(v) lights, brakes and steering mechanism are in good working order.

(b) A report of every inspection made as above shall be recorded in a bound-paged book kept for the purpose, and shall be signed and dated by the competent person making the inspection.

7.6 All operations connected with the transport of explosives shall be conducted under the personal supervision of a mine foreman solely placed in charge of blasting operations at the mine.

7.7 The blaster shall, personally search every person engaged in the transport and use of explosives and shall satisfy himself that no person so engaged has in his possession any cigar, cigarette, 'biri' or other smoking material or any match or any other apparatus of any kind capable of producing a light, flame or spark.

8.0 Charging of Deep Holes:

8.1 General precautions and rules regarding handling of explosives shall be observed by the blasting crew. Only such minimum number of person shall be allowed to remain at the charging site as are required during charging operations and firing of shot holes.

8.2 The entire area where charging of explosives is to be done shall be demarcated by suitable flags and effectively guarded to prevent unauthorised entry of persons or plying of other vehicles, and shall be kept free from dry vegetation and other combustible material.

8.3 Smoking, naked light or open flames shall not be allowed within 300m of the area where charging of explosives is being carried on.

8.4 The holes shall be charged (and fired) as soon as possible after the explosive is transported to the site of blasting. All normal precautions for charging (and firing) as laid down in the Metalliferous Mines Regulations, 1961 shall be strictly observed.

8.5 Explosive cartridges shall not be slit or deformed. Adequate amount of cap sensitive explosive shall be used with non cap sensitive explosive charge to ensure complete detonation of the explosive charge.

8.6 Explosives shall be delivered/charged first into the hole farthest from the 'Priming Station', so as to avoid persons walking among piles of explosives and charged holes.

8.7 Not more than one hole shall be in process of being charged on any face at any point of time.

8.8 All operations connected with charging, stemming and making connections shall be done while standing on the solid ground that is to stay, on the side of holes away from the quarry face.

8.9 The cartridges of explosives shall be lowered carefully into the shot holes, so as to avoid sticking of cartridges in the shot holes, thereby causing air space(s) in the explosive column. After charging such hole with explosives, the length of the uncharged/remaining portion of the hole shall be measured to confirm that the cartridges are in close contact with each other and there is no air gap between the explosive column. In case, the length of uncharged portion of the hole is not as per calculation, thereby indicating the presence of air space, attempt may be made to push down the charge in case of slurry explosives only. The remaining hole shall then be stemmed with moist sand/aggregate of suitable size before blasting the shot holes.

8.10 Explosive charge shall not be allowed to sleep over in holes unless express permission in writing to the effect is obtained.

9.0 Precautions during Blasting/Firing:

9.1 Shots shall not be fired except during the hours of day light. All holes charged on any one day shall be fired on the same day.

9.2 Shots shall not be fired in crushed, broken or fractured ground.

9.3 As far as practicable, deep holes shall be fired either between the shifts, or during the rest interval, or at the end of work for the day.

9.4 The danger zone shall be distinctly demarcated (by means of red flags or other suitable means) at least 30 minutes before firing of holes.

9.5 Proper and distinct warning by a siren installed for the purpose shall be given within the danger zone, at least 10 minutes before the holes are fired.

9.6 Before the holes are charged, stemmed and fired, the shotfirer/blasting foreman, with assistance of his assistants, appointed in sufficient number in writing by the manager, shall ensure that all persons have either left the danger zone, or have taken adequate shelter.

9.7 In case, part of a public road lie within the danger zone, guards shall be posted on either end of the road falling within danger zone, and traffic shall be stopped before shots are fired. In the event of any railway line or public road lying within the danger zone, no shot shall be fired when there is traffic on the railway track or public road.

9.8 During approach of an electric storm, following precautions shall be taken –

- (i) No explosives, particularly detonators shall be handled.
- (ii) If charging operations have begun, work shall be discontinued till the storm has passed.
- (iii) If shots are being fired electrically, all exposed wires shall be coiled up and kept covered by something other than a metal plate.
- (iv) All wires shall be removed from contact with metallic plates/steel rails so as to prevent the charge from exploding prematurely by a local strike of the lightning.

9.9 After shots have been fired, no person shall enter or be allowed to enter the place, until 30 minutes after firing of the shots. Before allowing any person to enter the area, the Assistant/Under Manager in-charge of the blasting operations shall make sure that the area is free from dust, smoke or fumes.

9.10 In case of misfires, precautions as laid down in Regulation 167 of Metalliferous Mines Regulations, 1961 shall be taken.

9.11 Notwithstanding anything contained in the Metalliferous Mines Regulations, 1961, the preparation of charges and the charging and stemming of holes shall be carried out under the personal supervision of blasting foreman.

10.0 **General lighting:** Where natural lighting is insufficient, adequate general lighting as per the standards laid down in DGMS (Legis.) Circular No.3 of 2017 dated 06.11.2017), issued under Regulation 148(2) of the Metalliferous Mines Regulations, 1961, shall be provided at all opencast workings, haul roads, dump yards, sumps and other working places for working the mine beyond day-light hours.

11.0 Design, maintenance & operation of machinery & vehicles:

11.1 All repairs of a machinery or vehicle shall be done at properly laid repair sheds and workshops so as to ensure due protection to work persons deployed at those places from the movement of heavy earth moving machinery.

11.2 Every place of drilling and earth moving machinery or equipment (hereinafter called machine) and every truck, dumper, etc, (hereinafter called vehicle), shall be maintained in good and safe working condition.

11.3 (a) Every machinery or vehicle shall be provided with efficient warning devices, adequate front and rear lights and efficient brakes.

(b) Every shovel shall be so designed as to afford the operator clear and uninterrupted vision all around and shall be provided with portable lamp for emergency, suitable portable fire extinguishers and retracting ladder.

(c) The operator's cabin of heavy earth moving machinery shall be well designed and substantially built. The cabin of all new machineries and vehicles shall be fitted with air conditioner so as to ensure adequate protection to the operator against heat, dust, noise etc. Effort shall be made to provide air conditioner in the old non-air-conditioned machineries and vehicles. The design of machinery and vehicle shall be such as to provide adequate safety to the operator in the event of overturning of heavy earth moving machinery. A seat belt for the safety of the operator shall be provided.

11.4 (a) The code of instructions furnished by the manufacturers in the matter of operation and maintenance of various machinery and vehicles and preventive maintenance schedules for each type of machinery and vehicle shall be strictly followed.

(b) Every machine and vehicle shall be allocated at least one day in every week for maintenance. Before the machine or vehicle is sent out for work after maintenance, it shall be thoroughly inspected by the Engineer or mechanical foreman or other competent person, appointed by the Manager in writing, who shall satisfy himself that the machine or vehicle is mechanically sound and in efficient working order.

(c) A report of every inspection made under clause (b) shall be recorded in a bound paged book kept for the purpose, and shall be signed and dated by the person making the inspection.

(d) Every machine in use shall be thoroughly inspected once at least in every 24 hours by a competent person. Any damaged or worn out parts shall be replaced immediately.

(e) A report of every inspection made under Clause (d) shall be recorded in a bound paged book kept for the purpose and shall be signed and dated by person making the inspection.

11.5 If the Engineer or Mechanical Foreman or other competent person making an inspection notices any defect in any machinery or vehicle, the said machinery or vehicle shall not be used until the defect has been remedied.

11.6 Any defect in a machinery or vehicle reported by its operator shall be promptly attended to.

11.7 Any machine or vehicle found to be in an unsafe operating condition shall be tagged at the operator's position "OUT OF SERVICE DO NOT USED" and its use shall be prohibited until the unsafe condition has been corrected.

11.8 All repairs of a machinery or vehicle shall be done at a location which will provide a safe place for the persons engaged on repairs.

11.9 Except for testing trial or adjustment which must necessarily be done while the machine or vehicle is in motion, every machine or vehicle shall be shut down and positive means taken to prevent its operation while any repair or manual lubrication is being done.

11.10 Any machinery, equipment or part thereof which is suspended or held apart by use of slings, hoists or jacks shall be substantially blocked or cribbed before men are permitted to work underneath or between such machinery, equipment or part thereof.

11.11 Power shall be disconnected when repairs are made to any electric machine.

11.12 Fluorescent stickers shall be provided on helmets of wearers engaged in the opencast mines for clear visibility in the night. They shall also be provided with fluorescent jackets.

11.13 Daily examination of machinery and vehicle:-

(a) At the commencement of every shift, the engineer or mechanic or foreman or other authorized competent persons shall personally inspect and test every machine and vehicle paying special attention to the following details:

(i) that the brakes and the horn or other warning devices are in working order.

(ii) if the vehicle or machine is required to work after day light hours that the lights are in working order. He shall not permit the vehicle or machine to be taken out for work nor shall he drive the vehicle unless he is satisfied that it is mechanically sound and in efficient working order.

(b) He shall also maintain a record of every inspection in a bound paged book kept for the purpose. Every entry in the book shall be signed and dated by the person making the inspection.

11.14 At least once in two weeks the brakes of the truck, dumper or any such other vehicle should be tested as indicated below:

- a. Service Brake Test : The brake shall be tested on a specified gradient and speed when the vehicle is fully loaded. The vehicle should stop within a specified distance when the brake is applied. The specified stopping distance shall be obtained from the manufacturer of the vehicle.
- b. Parking Brake Test : The parking brake should be capable to hold the vehicle when it is fully loaded and placed at a maximum gradient of roadway which is permitted for a period of at least ten minutes.
- c. A record of such tests shall be maintained in a bound paged book and shall be signed by the person carrying out the test. These records should be countersigned by the engineer and manager.

11.15 Surprise inspection shall be carried out by the engineer/superior official at an interval not exceeding 15 days to ensure that the examination schedule of machineries/equipment are carried out.

11.16 While inflating tyres, suitable protective cages shall be used. Tyres shall never be inflated by sitting either in the front or on the top of the same.

11.17 While the vehicle is being loaded/unloaded or gradient, the same shall be secured stationary by parking brake and other means such as suitably designed stopper blocks which could be placed below the tyres.

11.18 Operation and maintenance of heavy machineries such as shovels, dumpers etc. shall be done strictly in accordance with the operation instructions. The operation instructions and maintenance schedule could be obtained from the manufactures.

11.19 Automatic fire protection system shall be provided and maintained in working order for surface heavy machinery and vehicles such as front end loaders, hydraulic and electric shovels, tippers etc. It is also necessary that the recommended procedure for testing of such fire protection systems at a given schedule by the manufacturer is also adopted. The automatic fire system consist of one or more containers of fire suppressant (usually a dry chemical) connected by a fixed plumbing network to nozzles directed at specific pre-determined fire hazard areas of the machinery.

12.0 Operation of Machinery:

12.1 (a) No person other than the operator or his helper if any or the Manager or any person so authorized in writing by the Manager shall ride on a shovel.

(b) No person shall be permitted to ride in the bucket of a shovel.

(c) No shovel shall be operated in a position where any part of the machine, suspended loads or lines are brought closer than 3m to exposed high voltage lines, unless the current has been cut off and the line de-energised. A notice of this requirement shall be posted at the operator's position.

(d) Electrical cables, if any, shall be laid in such a manner that they are not endangered either by falling rocks or by a mobile equipment.

12.2 Every shovel/excavator, dozer, grader or crawler mounted drill shall be provided with suitable fire extinguishers preferably Automatic fire protection system suitably placed for operation/convenient use.

12.3 The shovel bucket shall be pulled out of the bank as soon as it is full.

12.4 When not in operation the bucket shall be kept resting on stable ground and shall not be left hanging.

12.5 When being operated in soft or unstable ground every shovel (and drag-line) shall be supported by heavy planks or poles so as to distribute the load of the machine over larger area and to prevent any danger of the shovel (or drag-line) over-turning. When not in use, the shovel or drag-line shall be moved to and stationed on the stable ground.

12.6 If more than one stripping machine is in use in any area, either on the same bench or on different benches, the machines shall be so spaced that there is no danger of accident from flying or falling objects etc. from one machine to the other.

13.0 Duties of Machinery Operators:

- 13.1 (a) Every heavy earth moving machinery shall be under the charge of a competent person (herein called the `operator') authorised in writing by the Manager.
- (b) Operator/driver of each HEMM shall be selected from amongst persons possessing requisite qualifications. The selection process shall comprise a test to check driving/operating skill, aptitude, health and oral examination of the candidate by a competent selection committee. The selected person shall be trained and their competency shall be evaluated by a board constituted by the mining company.
- (c) All operators of HEMM shall undergo regular checks to test their driving/operating skill, knowledge and health once in every five years.
- (d) To prevent un-authorized driving, a system shall be evolved whereby the ignition key and /or cabin key always remain with the driver/operator or with specifically designated competent person.
- (e) At the commencement of every shift, the operator shall also personally inspect and test the machine, paying special attention to the following details:
- (i) That brakes and every warning device are in working order; and
 - (ii) If the machine is required to work after day-light hours, that lights are in working order.
- (f) He shall not take out the machine for work nor shall he operate the machine unless he is satisfied that it is mechanically sound and in efficient working order.
- 13.2 (a) The operator shall not operate the machine when persons are in such proximity as to be endangered.
- (b) He shall not swing the bucket of a shovel over passing haulage units. While trucks/dumpers are being loaded, he shall swing over the body of the truck/dumper and not over the cab, unless the cab is protected by a substantial strong cover.

13.3 The operator shall not allow any unauthorised person to ride on the machine.

14.0 Operation of trucks/tipper/dumpers and other vehicle;

14.1 No person shall be permitted to ride on the running board of a truck or dumper.

14.2 (a) As far as possible loaded trucks or dumper shall not be reversed on gradient.

(b) Sufficient stop blocks shall be provided at every tipping point and these shall be used on every occasion material is dumped from the truck, dumper or other such vehicle.

(c) Suitable "Code of Traffic Rules" shall be framed by the Mines Manager and enforced strictly for movement of all trucks, tippers and dumpers in the mine. A copy of the traffic rules shall be submitted to this Directorate for record. They shall be prominently displayed at the relevant places in the opencast workings and truck/dumper roads.

(d) Suitable "Code of Practice" shall be framed by the Mines Manager and enforced for prevention of injuries to persons engaged in tipping on stock piles, dumping of overburden at dump yards at loading points etc

14.3 Trucks, tippers and other heavy vehicles, not belonging to management shall not be allowed in the mine premises without a valid pass issued by the competent authority of the mine. Before the pass is issued the mine engineer/competent person shall check the roadworthiness of such vehicle. In order to check the entry of such vehicles in the mine premises, properly manned check gate shall be provided at the mine entrance where the record of entry & exit of each vehicles shall be maintained. At the check gate the license of the drivers shall also be checked for eliminating the possibility of un-licensed persons driving the vehicle.

14.4 Persons engaged in surface operation and, in particular, the contractor's workers shall be provided closer and competent supervision.

(a) All persons engaged at any work within the mine premises through the contractors shall be provided relevant training and other job related briefings and that the drivers of the vehicle belonging to contractors entering the mine premises have additionally been explained the salient provisions of "Traffic Rules"

(b) Each and every operation, including the operation carried out through contractor's worker or by outside agency, shall be placed under the charge of a competent supervisor, duly appointed and authorised by the manager.

- 14.5 When not in use every truck or dumper shall be moved to and stood on proper parking places.
- 14.6 No person shall be permitted to work on the chassis of a truck or dumper with the body in a raised position until after the truck or dumper body has been securely blocked in position. The mechanical hoist mechanism alone shall not be depended upon to hold the body of the truck or dumper in raised position.
- 14.7 No unauthorized person shall be permitted to enter or remain in any dumping yard or turning points.
- 14.8 Every Dumper/tipper/truck shall be provided with suitable fire extinguishers preferably Automatic fire protection system suitably placed for operation/convenient use.
- 14.9 Every Dumper/tipper/truck shall be provided with automatically operating audio-visual reversing alarm, which shall always be kept in working order.
- 14.10 Rear vision mirrors of sufficient size to simultaneously view tipping body and the contact between rear wheels and ground shall be fitted to each side of all rear dumps and tipping trucks/tippers/dumpers.
- 14.11 Dumps and tipping trucks/tippers/dumpers operating between sunset and sunrise shall be fitted with a rear flood light of sufficient illumination capacity to provide clear vision of a distance not less than 10m.

15.0 Duties of Truck/Tipper/Dumper Operators:

15.1 Before commencing work, the driver shall generally inspect and test the vehicle for its road worthiness paying special attention to the tyre air-pressure, brakes, horn and lights. If he finds any defect which is likely to make the driving unsafe, he shall report the matter to the competent person and shall not operate the vehicle till the defects are remedied.

15.2 (a) He shall not drive too fast, shall avoid distractions and shall drive defensively. He shall not attempt to overtake another vehicle unless he can see clearly far enough ahead to be sure that he can pass it safely. He shall also sound the audible warning signal before overtaking.

(b) When approaching a stripping equipment, the driver of the truck or dumper shall sound the audible warning signal and shall not attempt to pass the stripping equipment until he has

received a proper audible signal in reply.

(c) Before crossing a road or railway line, he shall reduce his speed, look in both directions along the road or line and shall proceed across the road or line only if it is safe to do so.

(d) The driver shall sound the audible warning signal while approaching 'blind' corner or any other points from where persons may walk in front unexpectedly.

(e) The driver shall not operate the truck or dumper in reverse unless he has a clear view of the area behind the vehicle and take help of an automatically operating audio-visual reversing alarm before reversing a truck or dumper.

(f) The driver shall be sure of clearance before driving through tunnels, archways, plant, structures etc.

15.3 The driver shall see that the vehicle is not overloaded and that the material is not loaded in a truck or dumper so as to project horizontally beyond the sides of its body and that any material projecting beyond the front or rear is indicated by a red flag during day and by red light after day light hours.

15.4 The driver shall not allow any un-authorised person to ride on the vehicle. He shall also not allow more than authorised number of persons to ride on the vehicle.

15.5 The driver shall not operate a vehicle in fog or mist without taking adequate precautions, as may be specified by the manager.

15.6 The driver shall not operate the vehicle while being in a state of drunkenness, and without due care and attention having regard to all circumstances including the nature, condition and use of the road or other place over which the vehicle is being driven and the visibility at the time.

16.0 Spoil banks

16.1 (a) The slope of a spoil- bank face shall be determined by the natural angle of repose of the material being deposited, but shall in no case exceed $37\frac{1}{2}$ degree from the horizontal. The spoil-bank face shall not be retained by artificial means at an angle in excess of its natural angle of repose.

(b) spoil-bank shall be adequately benched to maintained its stability and the general slope shall not exceed vertical to 1.5 horizontal.

16.2 (a) The toe of a spoil-bank face shall not be permitted to approach a railway or other public works, public road or building or other permanent structure not belonging to the Owner of the mine closer than a distance equal to the vertical height of its face.

(b) A suitable fence shall be erected between any railway or public works or road or building or structure and the toe of an active spoil- bank so as to prevent un-authorized persons from approaching the spoil-bank.

16.3 No person shall, or shall be permitted to approach the toe of an active spoil-bank where he may be endangered from material rolling down the face.

16.4 At the edge of the tip, a safety berm shall be formed having a height equivalent to half the wheel diameter of the trucks/tippers/dumpers dumping. In any event, this berm shall not be less than one meter in height.

17.0 Supervision.

17.1 The mine shall be placed under the sole control of mine manager holding valid 1st class Mine Manager's certificate granted under the Metalliferous Mines Regulations 1961 and Mines Act, 1952, who shall be assisted by adequate number of Assistant Manager, foremen, Mining Mate and other statutory persons. This permission shall stand revoked as soon as the qualified manager ceases to work at the mine.

17.2 During every shift, when HEMM are in operation in the opencast workings, the manager shall be present in the mine and during maintenance shift, the workings shall be placed under the charge of a foreman (mechanical), who shall be responsible to see that all the regulations and the orders made there under are strictly complied with. They shall also supervise transport and loading operation being done by the contractor.

17.3 They shall in particular:-

(a) make frequent inspections for evidence of any slide or of material that may slide or roll from the high wall (including the face and sides) or spoil-bank;

(b) not allow any person to work under overhanging ledges or where there is evidence of slides, until such danger has been removed;

(c) ensure that every person engaged in dressing operations on high walls/sides is provided with, and uses, a safety belt of a type approved by the Chief Inspector;

(d) ensure that all loose material is removed from high wall/side before drillers/loaders are engaged there, and

(e) ensure that parapet walls along truck-roads are properly maintained.

18.0 Protection of workers against Noise and Vibration in the working environment:

18.1 Suitable steps should be taken by all appropriate means to reduce the exposure of workers to any excessive noise and vibration. In this connection, the requirements of D.G.(Tech) Circular No.18 of 1975 should be complied with.

19.0 DUMPER: The following safety feature shall be provided in dumper/tip

- a. Mechanical steering locking to prevent untoward movement of steering wheel and tyre while work persons working below the cabin while engine is running.
- b. Blind spot mirror apart from rear view mirror to enable operator to have clear visibility of blind spot in and around dumpers.
- c. Mechanical type Anti collision device to avoid head to tail collision on haul road such as tail gate, bumper extension or any other strong device.
- d. Fire resistant hydraulic hoses in place of ordinary hoses to decrease the chance of fire. All the sleeves and conducts where cable/wire are passed shall be fire resistant.
- e. Seat belt for operator.
- f. The maximum speed of vehicle shall be restricted to 30Km/hour by blocking higher gear or any other automatic means.
- g. Propeller shaft guard.
- h. Proximity warning device.

20. : The following safety feature shall be provided.

- a. All functions cut off switch.
 - b. Swing Motor Brake.
 - c. Fire resistant hydraulic hoses in place of ordinary hoses to decrease the chance of fire. All the sleeves and conducts where cable/wire are passed shall be fire resistant.
 - d. Turbo charge guard.
 - e. Seat belt
- (f) Vent valve on top of hydraulic tank should be able to be removed without any tool
 - (g) A baffle plate between cold zone and hot zone.
 - (h) Provision for limiting of hydraulic cylinders – Stoppers.

21.0. DRILLS: The following safety feature shall be provided.

- (a) Approved type of dust prevention or suppression system.
- (b) Each moving parts of the machinery shall be guarded/ fenced and also ensure its effectiveness all the time.

22.0. DOZERS: The following safety feature shall be provided.

- (a) Roll over protection
- (b) Turbo charge guard.
- (c) Fire resistant hydraulic hoses and wiring near hot zone.
- (d) Seat belt.

23 .0 GENERAL:

23.1 The approved type of audio visual alarm shall be provided in all equipment.

23.2 The approved type of fire suppression system shall be provided in all equipment.

23.3 The stability of HEMM shall be carried out at least once in year and after every major over haul by an independent agency.

23. 4. The crane and overhead crane shall be subject to proof load test and NDT test once in a year from a competent authority.

23. 5 The pressure vessel receiver are subjected to hydraulic and NDT test and shall be carried out by a competent authority.

23.6 In case of any defect in equipment such a brake, steering and safety device theequipment shall be immediately taken out of use and a record shall be kept.

23.7 The code of practice for installation operation and maintenance of all equipment shall be prepared and implemented before putting the equipment to use in mine.

23. 8 The safety feature recommend in equipments shall be a part of notice inviting tender for new procurement and the design and drawing shall be obtained from OEM for fitting the same in old equipment.

24.0 Miscellaneous

24.1 No manual workers shall be employed on any bench where HEMM is deployed or on the next lower bench. Manual workers shall be employed only after withdrawal of HEMM and only at the places

where benches conform to the requirement of Regulation 106(1), 106(4) and 106(5) of the Metalliferous Mines Regulation, 1961.

24.2 No underground openings shall be made within the area worked as per this permission.

25.0 In the event of any change in the circumstances connected with this permission which is likely to endanger the life of workman employed in the mine or endanger the mine, the mining operations for which this permission has been granted shall be stopped forthwith and intimation thereof sent to this Directorate. The said mining operations shall not be resumed without an express and fresh permission in writing.

26.0 If at any time, anyone of the conditions subject to which this permission has been granted is violated or not complied with, this permission shall be deemed to have been revoked with immediate effect.

27. This permission may be amended or withdrawn at any time if considered necessary in the interest of safety.
28. This permission is being issued specifically under regulations mentioned above and without prejudice to any other provisions of law including the provisions contained in the Mines and Minerals (Regulation and development Act, 1957) and the Mineral Concession Rules 1960, which may be or may become applicable at any time.
29. This permission shall remain valid for a period of 3 (three) years from the date of issue of this letter.

Please acknowledge receipt of this letter.

Your Faithfully



ASHOK KUMAR (DIRECTOR - JABALPUR REGION)

THIS IS A SYSTEM GENERATED DOCUMENT, DOES NOT REQUIRE ANY SIGNATURE.



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

CCA-Fresh

CONSENT NO: ***

PCB ID: 131001

Outward No:-113849,27/10/2021

Consent No:AWH-54521

To,
The Occupier,
M/s. Prim Johnson Ltd. Chuli- Majhiyar Limestone Mine . 176.619 HA,
176.619 HA., CHULI- MAJHIYAR LIMESTONE MINE,
City : Majhiyar, Dist : Satna, Tal : Kothar, SIDC :, Latitude : 24.3516 Longitude : 80.5856

Subject: Grant of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Waste (Management & Transboundary movement) Rules, 2016

Ref: Your Consent to Operate Application Receipt No. 1088736 Dt. 28/09/2021 and last communication received on Dt 08/10/2021

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **30/09/2022** & Authorisation up to **30/09/2026**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Village - Chulhi and Majhiyar, Tehsil – Kotar, Distt- Satna (M.P.).
- b. Mining Lease area: 176.619 hect.
- c. Product & Production Capacity:

Product / Activity	Qty / year
Mining of Lime stone	3.0 Million Ton per year.
Generation of Soil/OB Waste	1.135 Million Ton per year.

- Note:- (1) For any change in above industry shall obtain fresh consent from the Board.
(2) PP shall ensure acquisition and development of the land area required for handling & storage of Soil/overburden on priority so as to ensure proper control of pollution with start of mine & the production of lime stone.

The Validity of the consent is up to **30/09/2022** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * Conditions under Hazardous Rules
- * General conditions

CC to :-

1. District Mining Officer, (Mining Section), Collector office, Satna Dist. Satna (M.P.) for information.
2. M.P. State Mining Corporation, Arera Hills, Jail Road, Bhopal (M.P.) for necessary action please.
3. Regional officer, Regional office, MPPCB, Satna (M.P.)



Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 27/10/2021 10:42:57 PM

ACHYUT ANAND MISHRA
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 6PY8F3BPV



CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of sewage at out fall of the unit shall not exceed 18.00 KL/day

2. Trade Effluent Treatment:-

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 270C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

TDS	Not exceed	2100 mg/l.
Chlorides	Not exceed	1000 mg/l.

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment** :- The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₃ Days 27 ^o C	Not exceed	30 mg/l.

COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
pH	Between	5.5 – 9.0

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 59.000	WWG : 18.000	Water Source	Remark
1	Domestic Purpose	23.000	18.000	Borewell	Mine water shall not be discharged outside mine lease boundary. it shall be stored in mine pit & used for various purposes.
2	Dust Suppression	15.000	0.000	Mine Water	
3	Mnfg Process	1.000	0.000	Mine Water	
4	Plantation / Horticulture	20.000	0.000	Mine Water	

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

6. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

7. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

8. Compilation of Monitoring data-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.

ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. **The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.**



9. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

10. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

11. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

12. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

13. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water. Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

14. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

15. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

16. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

- 1) The mine management shall maintain zero discharge condition
- 2) Mine management shall made arrangements for ground water recharge
- 3) Mine management shall ensure that the silt shall not flow to the nearby water body



CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height(mtrs)	Fuel	Control equipment to be installed	P.M, SOX, NOX(mg/NM3)
Material Handling		0		Green Belt, Water Sprinkler,	PM 10, PM 2.5, SO2, NOx

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - $100 \mu\text{g}/\text{m}^3$ ($\text{PM}_{10} \mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - $60 \mu\text{g}/\text{m}^3$ ($\text{PM}_{2.5} \mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Sulphur Dioxide [SO_2] (24 hrs. Basis) - $80 \mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - $80 \mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - $2000 \mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

7. Industry shall take effective steps for extensive **tree plantation** preferably in **03 rows** of the local tree species with **minimum spacing of 2X2 meters** within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

(Minimum number of plants to be planted by the unit:-145711)

Additional Air condition:-

- Mine management shall demarcate a barrier zone of **7.50 meter shall be developed as green belt.**
- Mine management shall install **CAAQMS** stations at suitable locations to monitor ambient air quality in the leased area and in the vicinity. The mine management shall online connectivity to CAAQMS station to MPPCB.
- Mine management shall construct **pacca approach road.**
- Dense plantation shall be carried out all around the quarry lease area** as per environmental clearance condition.
- Proper & regular maintenance of the vehicles shall be under taken to suppress the frictional noise
- Transportation shall be done through **covered vehicle.**
- Transportation should not be done through forest area.
- Fixed type of water sprinkle system** shall be provided on haul road
- Mine management shall practice regular compaction loose material of haulage road to reduce the emission of fugitive emission.
- Vehicle used for the transportation of minerals / material shall be PU certified and shall be properly maintained to reduce noise.



CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

FORM-2
[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. M/s Prim Johnson Ltd. Chuli- Majhiyar Limestone Mine . 176.619 HA is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in xgn) for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Village - Chulhi and Majhiyar, Tehsil – Kotar, Distt- Satna (M.P.).

Details of Authorisation

Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity (ton/annum)
Used or Spent Oil (5.1)	To be sold to authorized Re-processors/ Recycler registered with SPCB.	0.20 Metric Ton Per Year.

(1) The authorisation shall be valid for a period of **01/10/2021 to 30/09/2026**

(2) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A. General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.

4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.

5. The person authorised shall implement **Emergency Response Procedure** (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty

7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.

8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.



9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

B. Specific conditions:

1. The industry shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

Additional Haz condition:-

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annually.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.
6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.



GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bogs etc		Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

(a) Violation of any terms and conditions of this Consent.

(b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.

(c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Additional condition:-

1. Mining shall be executed as per the approved mining plan.

2. The Mine shall optimize the water abstraction from the surface water source by utilizing the mine discharge for spraying on haul roads, mine area and loading - unloading area after proper treatment.

3. Extensive tree plantation shall be carried out in open areas available within and around the mine premises in consultation with expert agency. Good house keeping practice shall be adopted.



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

4. Mine management shall demarcate a barrier zone as no mining zone in the periphery of mining lease area and developed a green belt.
5. Overburden dumps shall be stored at the earmarked location along with proper stabilization arrangements and retaining wall. Maximum height of the OB dumps shall not exceed 20 meters and each stage shall be of 10 meter height with slope of shall not exceed 35degrees. Mine shall have to take effective steps to check the soil erosion from over burden/waste material dumping area, causing silting problem into near by nallah/ river/ pond during the rainy season
6. Mine Management shall construct **Garland drain of appropriate length with size with stone pitching all around**, and sump capacity of appropriate size with **sttling tanks**. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
7. **Top soil shall be scraped & separately stacked with proper slope and adequate safeguards;** it shall be utilized for carpeting over the backfilled area and rehabilitation of mined out area. The mine shall take effective steps for safe and scientific reclamation of mines.
8. Mine management shall provide artificial recharger measures, rain water harvesting system.
9. Mine management shall provide **fencing all around the lease area** to prevent the accident hazard.
10. Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.
11. Mine management shall submit **environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.**
12. Mine management shall ensure the compliance of conditions of Environmental clearance.
13. Mine shall comply the provisions of all the relevant Acts/Rules/Directions/Guidelines issued by MoEF/ CPCB/ MPPCB time to time as required and if applicable.
14. Mine shall comply the Directions/ Orders issued by Hon'ble Supreme Court/ High Court/ NGT time to time in the relevant Writ Petitions.
15. Mine management shall install industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom **(PTZ) Camera** with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source.
16. Mine management shall establish suitable connectivity of **IP-Camera with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board** for monitoring and data transmission purpose.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 , The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 6PY8F3BPV

ACHYUT ANAND MISHRA
Member Secretary

Consent No:AWH-54521

Environment Management Cell

Annexure 7

