



दूर की सोच®

Through Regd. AD

MIN / 2021 – 210296

01st Dec, 2021

To,
Director
Ministry of Environment & Forests
Regional Office, Western Region
Kendriya Paryavaran Bhavan
Link Road No. 3
E - 5, Ravishankar Nagar
Bhopal – 462 016

Sub: Compliance report of additional limestone deposit over 66.434 ha area at village Manakahari, Tehsil Rampur Baghelan, Dist. Satna of M/s Prism Johnson Ltd.

Ref: Your letter no. J - 11015 / 8 / 2000 - I A. II (M) dated 14.2.2001.

Dear Sir,

We are sending enclosed herewith the six monthly compliance report (Period of April-21 to September-2021) of the environmental clearance granted for additional limestone deposit at village Manakahari, Tehsil Rampur Baghelan, Dist. Satna (M.P.) vide the letter no. J-11015/8/2000-IA. II (M) dated 14.2.2001 along with necessary enclosures.

We hope you will find the same in order.

Thanking you.

Yours faithfully,
For, Prism Johnson Ltd.

Sheela

Mines Manager
Prism Cement Limestone Mines

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

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Corres. Add.: 'Rajdeep', Rewa Road, Satna - 485 001 (M.P.) India. T: +91-07672-402726
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CIN: L26942TG1992PLC014033



COMPLIANCE OF CONDITIONS AS STIPULATED BY MoEF VIDE LETTER NO. J - 11015 / 8 / 2000 - I A. II (M) DATED 14.2.2001 FOR ADDITIONAL LIMESTONE DEPOSIT OVER 66.434 HECT. AREA IN VILLAGE MANAKAHARI, TEHSIL RAMPUR BAGHELAN, DIST. SATNA (M.P.)

1. The environmental clearance would be applicable **66.434 hect.** lease area

A. Specific Conditions :

- (i) Mining should be carried out 500 m away from the Rewa – Satna railway track. ⇒ No mining activities are carried out within 500 m vicinity of Rewa – Satna Railway track.
- (ii) The topsoil should be stacked properly with adequate measures at earmarked site. It should be used for reclamation and rehabilitation of mined out area. ⇒ Topsoil is being used for reclamation and rehabilitation of the mined out area. No outside stacking is being done.
- (iii) OB dumps should be stacked at earmarked dump site(s) only on temporary basis. Concurrent back – filling and reclamation should be carried out from the 3rd year of operations. ⇒ Reclamation of the mined out area has been started from 3rd year of operations as stipulated in the condition. 12.83 Ha. of mined out area has been reclaimed up to September 2021
- No waste rock generated from April 2021 to September 2021 to be used in backfilling of the mined out area.
- (iv) A green belt of adequate width by planting the native plant species all around the ML area, roads, OB dump sites etc. should be raised in consultation with local DFO / Agriculture Department. ⇒ Green belt of adequate width is being developed. Year wise details of the plantation carried out so far are given in **Annexure I**.
- A rose garden has been developed in the colony.
- A nursery has also been developed where various types of saplings are prepared for plantation.
- Saplings planted April 2021 to September 2021 were 500 and cumulative plantation till September 2021 is 25056.
- (v) Drill should be operated with dust extractors or only wet drilling should be adopted. ⇒ Drill machine IBH 10 of Atlas Copco is in operation. This machine is fitted with water sprinkler that settles the dust generated at the time of drilling and thus prevents it from going into the atmosphere.

- (vi) Controlled blasting should be carried out. ⇒ Controlled blasting is being practiced.
- (vii) Check dam and siltation ponds of appropriate size should be constructed to arrest silt and sediments flow from OB and mineral dumps. The water so collected should be utilized for watering mine area, roads, greenbelt, etc. The drains should be regularly desilted and maintained properly. ⇒ Garland drain and siltation pond have been constructed to arrest the silt and sediment flow.
- (viii) Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring should be done four times a year– pre-monsoon April / May, Monsoon (August), Post–monsoon (November) and winter (January). Data thus collected should be sent at regular intervals to MoEF. ⇒ Being done.
Ground water level monitoring data of post -monsoon (Month wise), have been given in **Annexure II**.
Quality monitoring report of the ground water of the wells/bore holes is given in **Annexure III**.
- (ix) Crusher should be installed and operated with adequate capacity de-dusting arrangement ⇒ Crusher has already been installed with adequate capacity of de-dusting arrangement like bag - filters. Continuous water sprinkling arrangement at crusher hopper has also been made for suppressing the dust generated during unloading of the mineral in crusher hopper.
- (x) A detailed mine decommissioning plan should be submitted to MoEF 5 year in advance for approval. ⇒ Will be submitted.

B. GENERAL CONDITIONS

- (i) No change on mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests. ⇒ No changes have been made.
- (ii) No change in the calendar plan including excavation, quantum of limestone, waste / OB dumps should be made. ⇒ No changes have been made.
- (iii) Four ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO₂, NO_x and CO monitoring. Location of the ambient air quality stations should be decided based on the meteorological data, topographical features and environmentally sensitive targets in consultation with the State Pollution Control Board. ⇒ Four different monitoring stations are established and air quality is monitored twice in a month.

- (iv) Data of ambient air quality should be regularly submitted to the Ministry including its Regional Office at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months. ⇒ Being done regularly and submitted to the ministry and other government agencies. Ambient air quality monitoring results from April 2021 to September 2021 have been given in **Annexure IV.**
- (v) Adequate measures for control of fugitive emissions should be taken during drilling and blasting operations, loading and transportation of minerals etc. ⇒ Adequate measures for control of fugitive emission are being taken during drilling and blasting operations, loading and transportation of mineral etc.
- Drill machine is operated with in-built dust extractor, which arrests the dust generated during the drilling operation.
 - Water sprinkling is done on the blasted muck after blasting to reduce the dust generation during the loading operation.
 - Water spraying is continuously done on haul roads.
- (vi) Adequate measures should be taken for control of noise levels below 85 dB in the work environment. ⇒ Being taken.
- Noise monitoring reports from April 2021 to September 2021 have been given in **Annexure –V.**
- (vii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. ⇒ Personal protective equipments are being provided to all personnel working in dusty area at regular intervals.
- Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposures to dust and take corrective measures, if needed.
- Time to time, training and information on health and safety aspects are being imparted by the HRD Deptt. as well as at vocational training centre of the Deptt.
- All employees undergo periodical medical examination under Mines Act at regular intervals.
- (viii) The funds earmarked for environmental protection measures should be kept in separate account and not diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment & Forests. ⇒ Enviroimental Expenditure of 2021-22 (till September)

	Particulars	Expe Ir
1	Air Pollution Monitoring	
2	Noise Monitoring	
3	Plantation	
4	Dust Control Measure	

- (ix) The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated environmental safeguards. The project authority should send one set of EIA / EMP Report and Mining Plan to them and extend full co – operation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring report. ⇒ Photocopies of Rapid EIA – EMP Report and Mining Plan have already been sent.
Co-operation is being extended to the inspecting Officials.
- (x) The Project authority should inform to the Regional Office located at Bhopal as well as to the Ministry of Environment & Forests regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work. ⇒ Agreed
- (xi) A copy of the clearance letter will be marked to concerned Panchayat / Local NGO, if any, from whom any suggestion / representation has been received while processing the proposal. ⇒ Agreed
- (xii) State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office / Tehsildar's Office for 30 days. ⇒
- (xiii) The Project authority should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and the copy of the clearance letter is available with the state Pollution Control Board and may also be seen at the web site of the Ministry of Environment and Forests at <http://envfor.nic.in>. ⇒ The advertisement was published in two of the local newspapers viz. 'Dainik Bhaskar' and 'Naw Swadesh' which was earlier informed vide our letter no. MIN / 104 / 5820A dated 27.3.02.

Annexure 1

Year-wise plantation of 66.434 Ha ML			
S. No.	Year	Number of Plants planted	Greenbelt/ Colony/ CSR
1	2001-02	1132	0
2	2002-03	1937	449
3	2003-04	3522	4387
4	2004-05	982	571
5	2005-06	739	0
6	2006-07	1300	0
7	2007-08	720	600
8	2008-09	1104	4000
9	2009-10	1000	2330
10	2010-11	1640	7258
11	2011-12	1400	3698
12	2012-13	800	3100
13	2013-14	680	2740
14	2014-15	1600	2566
15	2015-16	1000	3200
16	2016-17	1000	37876
17	2017-18	1000	10000
18	2018-19	1000	15000
19	2019-20	1000	43364
20	2020-21	1000	35944
21	2021-22	500	14468
Total		25056	191551

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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/1444/08/21

TEST REPORT ISSUE DATE: 03.09.2021

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. Maan Singh
Sample Quantity : As per requirement.
Date of Sampling : 21.08.2021
Date of Receiving : 24.08.2021
Date of Analysis : 25.08.2021 to 02.09.2021
Source of Sample : Mankahari Village – Hand Pump
Sample ID Code : ELW-14723

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	1.06	1 - 100	1.0	5.0
5.	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.38	2.0 -12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23 rd Ed. 2017, 2540-C	664.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23 rd Ed. 2017, 2320 A+B	236.0	5-1500	200	600
8.	Total Hardness as CaCO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 2340 A+C	272.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23 rd Ed. 2017, 3500 Ca A+B	64.0	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23 rd Ed. 2017, 3500 Mg A+B	27.21	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23 rd Ed. 2017, 4500 Cl A+B	48.0	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23 rd Ed. 2017, 4500-C	0.40	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23 rd Ed. 2017, 4500-SO ₄ ²⁻ E	96.50	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 4500-NO ₃ ⁻ B	17.50	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	0.001-1	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	0.22	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	0.19	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

... End of the Report...

Archan
Analyst

[Signature]
Authorized Signatory
Ecomen Laboratories Pvt. Ltd.
Second Floor Hall, House No. B-1/8,
Sector-H, Aliganj, Lucknow-226024

[Signature]
Quality Manager

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FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO: ECO LAB/DW/1444/08/21

TEST REPORT ISSUE DATE: 03.09.2021

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. Maan Singh
Sample Quantity : As per requirement.
Date of Sampling : 21.08.2021
Date of Receiving : 24.08.2021
Date of Analysis : 25.08.2021 to 02.09.2021
Source of Sample : PCL Colony Supply Water – Bore Well
Sample ID Code : ELW-14724

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	1.20	1 - 100	1.0	5.0
5.	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.28	2.0 -12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23 rd Ed. 2017, 2540-C	638.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23 rd Ed. 2017, 2320 A+B	188.0	5-1500	200	600
8.	Total Hardness as CaCO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 2340 A+C	260.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23 rd Ed. 2017, 3500 Ca A+B	70.40	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23 rd Ed. 2017, 3500 Mg A+B	20.41	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23 rd Ed. 2017, 4500 Cl A+B	52.0	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23 rd Ed. 2017, 4560-C	0.35	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23 rd Ed. 2017, 4500-SO ₄ ²⁻ E	88.0	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 4500-NO ₃ ⁻ B	16.20	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	0.001-1	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	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	0.21	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

End of the Report...

Anchana
Analyst

Maan Singh
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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. Maan Singh
Sample Quantity : As per requirement.
Date of Sampling : 21.08.2021
Date of Receiving : 24.08.2021
Date of Analysis : 25.08.2021 to 02.09.2021
Source of Sample : Plant Site – Bore Well
Sample ID Code : ELW-14726

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	1.06	1 - 100	1.0	5.0
5.	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.45	2.0-12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23 rd Ed. 2017, 2540-C	345.0	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	212.0	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	15.55	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23 rd Ed. 2017, 4500 Cl A+B	56.0	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23 rd Ed. 2017, 4500-C	0.34	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23 rd Ed. 2017, 4500-SO ₄ ²⁻ E	82.50	1.0-250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23 rd Ed. 2017, 4500-NO ₃ ⁻ B	15.45	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	0.001-1	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	0.23	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	0.16	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

...End of the Report...

Anchana
Analyst

Sa
Authorized Signatory
Ecomen Laboratories Pvt. Ltd.
Second Floor Hall, House No. B-1/8,
Sector-H, Aliganj, Lucknow-226024

Abhishek
Quality Manager

ECOMEN LABORATORIES PVT. LTD.

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

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1Z1

ecoMen
LABORATORIES PVT LTD.

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

FORMAT NO. ECO/QS/FORMAT/23 REPORT NO: ECO LAB/Piezo/GW/08/21
TEST REPORT ISSUE DATE: 30.08.2021

REPORT OF WATER LEVEL MEASUREMENT

Name of the Customer : M/s. Prism Johnson Ltd.
Address of the Customer : Village - Mankahari,
Tehsil - Rampur Baghelan
Distt.Satna (M.P.)
Measurement by : Mr. Maan Singh
Date of Measurement : August 20th, 2021

Sl. No.	Piezometer Name.	Water Level (meter)
1.	Colony Gate	6.14
2.	Behind B Block	2.93
3.	Behind C Block	1.06
4.	Auto Work Shop	9.70
5.	In Front Den	2.10
6.	Rose Garden near boundary	5.90
7.	Rose Garden	4.28
8.	Western Block Mines	9.50
9.	Near New Magazine Mines	10.60
10.	Mankahari Mines	13.50
11.	Mines near Ramprasan	11.50
12.	Side Office Mines	Block

End of the Report...

Archana
Analyst

Maan Singh
Authorized Signatory
Ecomen Laboratories Pvt. Ltd.
Second Floor Hall, House No. B-1/8,
Sector-H, Aliganj, Lucknow-226024

Abhishek
Quality Manager

**AIR QUALITY MONITORING REPORT FOR MINES
MONTH - SEPTEMBER YEAR-2021**

1 NAME & ADDRESS OF FACTORY

: PRISM JOHNSON LTD
PRISM CEMENT LIMESTONE MINES
VILLAGE: MANKAHARI, HINAUTI & SIJAHATA
POST : BATHIA
DISTT : SATNA (M.P.) - 485111

2 NAME OF PERSON PREPARED THE REPORT

: Swati Vaish

3 AMBIENT AIR QUALITY MONITORING

1. DURATION : 8X3=24 Hrs.
2. DISTANCE FROM FACTORY : LOCATION (1) - SW (BP No. 18)
3. AMBIENT AIR QUALITY MONITORING : LOCATION (2) - Near Western side ML boundary (Pillar No. 14) of ML area
4. DISTANCE FROM FACTORY : LOCATION (3) - Near Mankahari Village
5. DISTANCE FROM FACTORY : LOCATION (4) - Near Hinouti Village

3 WIND DIRECTION

: MENTIONED IN THE TABLE

Sl No	Date	Location (1)					Location (2)					Location (3)					Location (4)					Wind Direction					
		PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3						
1	06/09/21	28.4	63.11	42.53	46.92	BDL	27.39	60.04	39.77	42.47	BDL	23.62	51.41	35.1	38.24	BDL	26.61	53.8	36.45	39.29	BDL	25.06	61.17	36.45	37.75	BDL	E
2	20/09/21	30.92	62.08	38.19	43.14	BDL	29.23	59.12	37.56	38.83	BDL	24.87	54.82	34.72	36.77	BDL	25.06	61.17	36.45	37.75	BDL	25.06	61.17	36.45	37.75	BDL	SE

BDL - Below Detectable Limit



Swati Vaish
Dy. Manager- Environment
Prism Johnson Ltd. Satna (M.P.)



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

AIR QUALITY MONITORING REPORT FOR MINES
MONTH - AUGUST YEAR-2021

1. NAME & ADDRESS OF FACTORY

PRISM JOHNSON LTD
PRISM CEMENT LIMESTONE MINES
VILLAGE: MANKAHARI, HINAUTI & SIJAHATA
POST : BATHIA
DISTT : SATNA (M.P.) - 485111

2. NAME OF PERSON PREPARED THE REPORT

Swati Vaish

3. AMBIENT AIR QUALITY MONITORING

1. DURATION
2. DISTANCE FROM FACTORY

8X3=24 Hrs.

LOCATION (1) - SW (BP No. 18)

LOCATION (2) - Near Western side ML boundary (Pillar No. 14) of ML area

LOCATION (3) - Near Mankahari Village

LOCATION (4) - Near Hinouti Village


3. WIND DIRECTION

MENTIONED IN THE TABLE

Sl No	Date	Location (1)				Location (2)				Location (3)				Location (4)				Wind Direction					
		PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3		PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	
1	08.08.21	50.27	59.3	40.5	44.94	BDL	29.76	56.25	38.19	41.18	BDL	26.43	49.4	34.02	35.05	BDL	27.24	50.58	35.35	38.83	BDL	BDL	S
2	22.08.21	31.58	59.43	41.68	41.68	BDL	28.79	57.05	37.56	42.07	BDL	25.06	49.27	35.1	33.71	BDL	26.08	52.23	36.45	37.75	BDL	BDL	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.)

AIR QUALITY MONITORING REPORT FOR MINES
MONTHLY - JULY YEAR-2021

1. NAME & ADDRESS OF FACTORY

: PRISM JOHNSON LTD
PRISM CEMENT LIMESTONE MINES
VILLAGE: MANKAHARI, HINAUTI & SIJAHATA
POST : BATHIA
DISTT : SATNA (M.P.)- 485111

2. NAME OF PERSON PREPARED THE REPORT

: Swati Vaish

3. AMBIENT AIR QUALITY MONITORING

1. DURATION

: 8X3=24 Hrs.

2. DISTANCE FROM FACTORY


: LOCATION (1) - SW (BP No. 18)
: LOCATION (2) - Near Western side-ML- boundary (Pillar No. 14) of ML- area
: LOCATION (3) - Near Mankahari Village
: LOCATION (4) - Near Hinouti Village


3. WIND DIRECTION

: MENTIONED IN THE TABLE

Sl No	Date	Location (1)						Location (2)						Location (3)						Location (4)						Wind Direction						
		PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	BDL	BDL	BDL	BDL	BDL	BDL		
1	06.07.21	33.55	61.38	43.74	50.34	BDL	31.19	64.28	42.53	47.07	BDL	27.39	53.46	37.56	38.83	38.83	BDL	29.46	56.14	38.19	40.45	BDL	23.02	53.05	36.45	37.75	BDL	BDL	BDL	BDL	BDL	From
2	21.07.21	29.14	55.6	41.31	46.92	BDL	27.85	55.52	39.31	44.49	BDL	21.92	48.04	34.43	33.83	33.83	BDL	23.02	53.05	36.45	37.75	BDL	23.02	53.05	36.45	37.75	BDL	BDL	BDL	BDL	BDL	S

BDL - Below Detectable Limit


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


Manoj Kumar Kashyap
Sr. General Manager
Prism Johnson Ltd, Satna (M.P.)

**AIR QUALITY MONITORING REPORT FOR MINES
MONTH - JUNE YEAR-2021**

1. NAME & ADDRESS OF FACTORY : PRISM JOHNSON LTD
PRISM CEMENT LIMESTONE MINES
VILLAGE: MANKAHARI, HIMAUTI & SUJAHATA
POST : BATHIA
DISTT : SATNA (M.P.) - 485111
2. NAME OF PERSON PREPARED THE REPORT : Sumitabh Dwivedi
3. AMBIENT AIR QUALITY MONITORING
1. DURATION : 8X3=24 Hrs.
2. DISTANCE FROM FACTORY : LOCATION (1) - SW (BP No. 18)
LOCATION (2) - Near Western side ML boundary (Pillar No. 14) of ML area
LOCATION (3) - Near Mankahari Village
LOCATION (4) - Near Himouti Village
3. WIND DIRECTION : MENTIONED IN THE TABLE

Sl No	Date	Location (1)					Location (2)					Location (3)					Location (4)					Wind		
		PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	Direction	From	
1	07.06.21	31.78	55.47	51.04	55.73	BDL	30.83	66.31	53.03	53.39	BDL	29.41	53.58	40.5	41.18	BDL	30.09	55.13	42.53	42.47	BDL	BDL	SW	SW
2	21.06.21	28.03	62.17	42.53	45.6	BDL	27.27	53.79	43.74	43.14	BDL	25.87	50.09	35.35	37.21	BDL	27.34	51.14	39.49	39.29	BDL	BDL	SW	SW

BDL - Below Detectable Limit



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




Manoj Kumar Kishyap
Sr. General Manager
Prism Johnson Ltd. Satna (M.P.)


**AIR QUALITY MONITORING REPORT FOR MINES
MONTH - MAY YEAR-2021**

1. NAME & ADDRESS OF FACTORY : PRISM JOHNSON LTD
PRISM CEMENT LIMESTONE MINES
VILLAGE: MANKAHARI, HINAUTI & SIJAHATA
POST : BATHIA
DISTT : SATNA (M.P.)- 485111
2. NAME OF PERSON PREPARED THE REPORT : Sumitabh Dwivedi
3. AMBIENT AIR QUALITY MONITORING
1. DURATION : 8X3=24 Hrs.
2. DISTANCE FROM FACTORY : LOCATION (1) - SW (BP No. 18)
LOCATION (2) - Near Western side ML boundary (Pillar No. 14) of ML area
LOCATION (3) - Near Mankahari Village
LOCATION (4) - Near Hinouti Village
3. WIND DIRECTION : MENTIONED IN THE TABLE

Sl No.	Date	Location (1)				Location (2)				Location (3)				Location (4)				Wind						
		PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	Direction	From	
1	09.05.21	33.26	70.88	48.61	53.93	BDL	30.7	62.93	44.19	50.01	BDL	26.01	54.1	38.19	36.4	BDL	27.34	56.93	40.5	40.45	BDL	BDL	SE	W
2	24.05.21	31.64	62.86	43.2	48.54	BDL	28.54	58.07	41.98	45.84	BDL	25.38	56.16	34.72	35.59	BDL	27.11	60.79	36.45	38.43	BDL	BDL	W	W

BDL - Below Detectable Limit


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


 Manoj Kumar Kashyap
 Sr. General Manager
 Prism Johnson Ltd, Satna (M.P.)

**AIR QUALITY MONITORING REPORT FOR MINES
MONTH - APRIL YEAR-2021**

1 NAME & ADDRESS OF FACTORY

: PRISM JOHNSON LTD
PRISM CEMENT LIMESTONE MINES
VILLAGE: MANKAHARI, HINAUTI & SIAHATA
POST : BATHIA
DISTT : SATNA (M.P.)- 485111

2 NAME OF PERSON PREPARED THE REPORT

: Sumitabh Dwivedi

3 AMBIENT AIR QUALITY MONITORING

1. DURATION : 8X3=24 Hrs.
2. DISTANCE FROM FACTORY :
 - LOCATION (1) - SW (BP No. 18)
 - LOCATION (2) - Near Western side ML boundary (Pillar No. 14) of ML area
 - LOCATION (3) - Near Mankahari Village
 - LOCATION (4) - Near Himouti Village

3. WIND DIRECTION

: MENTIONED IN THE TABLE

Sl No.	Date	Location (1)					Location (2)					Location (3)					Location (4)					Wind Direction					
		PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3	PM2.5 ug/M3	PM10 ug/M3	SO2 ug/M3	NOX ug/M3	CO ug/M3						
1	05.04.21	31.41	70.74	33.42	37.21	BDL	34.44	63.25	31.24	35.3	BDL	28.32	59.66	26.51	32.36	BDL	29.09	64.63	27.01	33.83	BDL	26.34	62.86	26.73	30.33	BDL	SE
2	20.04.21	31.9	68.16	34.02	38.83	BDL	31.25	67.72	29.7	34.38	BDL	25.72	57.61	24.3	27.94	BDL	26.34	62.86	26.73	30.33	BDL	26.34	62.86	26.73	30.33	BDL	SE

BDL - Below Detectable Limit


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

Manoj Kumar Kashyap
Sr. General Manager
Prism Johnson Ltd. Satna (M.P.)



**PRISM JOHNSON LIMITED
SATNA (M.P.)**

AMBIENT NOISE MONITORING REPORT

MONTH – APRIL 2021

1. Name and address of Factory : **PRISM JOHNSON LTD.**
Prism Cement Limestone Mines
Village- Mankahari, Hinauti & Sijahata
Post - Bathia
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Sumitabh Dwivedi
3. Details of noise monitoring :-

S. No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	SW (BP No. 18)	19.04.2021	61.57	54.85
2	Near Western side ML boundary (Pillar No. 14) of ML area	19.04.2021	58.4	53.4
3	Mankahari Village	20.04.2021	53.2	49.25
4	Hinouti village	20.04.2021	56.97	51.5



Sumitabh Dwivedi
Manager – Environment



Manoj Kumar Kashyap
Sr. General Manager


**PRISM JOHNSON LIMITED
SATNA (M.P.)**


AMBIENT NOISE MONITORING REPORT

MONTH – MAY 2021

1. Name and address of Factory : **PRISM JOHNSON LTD.**
Prism Cement Limestone Mines
Village- Mankahari, Hinauti & Sijahata
Post - Bathia
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Sumitabh Dwivedi
3. Details of noise monitoring :-

S. No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	SW (BP No. 18)	14.05.2021	63.15	55.52
2	Near Western side ML boundary (Pillar No. 14) of ML area	14.05.2021	61.05	54.8
3	Mankahari Village	14.05.2021	54.85	48.87
4	Hinouti village	14.05.2021	57.0	50.62


Sumitabh Dwivedi
Manager – Environment


Manoj Kumar Kashyap
Sr. General Manager

**PRISM JOHNSON LIMITED
SATNA (M.P.)**

AMBIENT NOISE MONITORING REPORT

MONTH – JUNE 2021

1. Name and address of Factory : **PRISM JOHNSON LTD.**
Prism Cement Limestone Mines
Village- Mankahari, Hinauti & Sijahata
Post - Bathia
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Sumitabh Dwivedi
3. Details of noise monitoring :-

S. No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	SW (BP No. 18)	20.06.21	61.62	54.82
2	Near Western side ML boundary (Pillar No. 14) of ML area	20.06.21	59.67	53.87
3	Mankahari Village	20.06.21	54.97	46.35
4	Hinouti village	20.06.21	56.5	48.55



Sumitabh Dwivedi
Manager – Environment



Manoj Kumar Kashyap
Sr. General Manager

**PRISM JOHNSON LIMITED
SATNA (M.P.)**

AMBIENT NOISE MONITORING REPORT

MONTH – JULY 2021

1. Name and address of Factory : **PRISM JOHNSON LTD.**
Prism Cement Limestone Mines
Village- Mankahari, Hinauti & Sijahata
Post - Bathia
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Swati Vaish
3. Details of noise monitoring :-

S. No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	SW (BP No. 18)	14.07.2021	60.67	53.90
2	Near Western side ML boundary (Pillar No. 14) of ML area	14.07.2021	59.05	53.17
3	Mankahari Village	14.07.2021	53.7	48.22
4	Hinouti village	14.07.2021	55.17	48.90



Sumitabh Dwivedi
Manager – Environment



Manoj Kumar Kashyap
Sr. General Manager

**PRISM JOHNSON LIMITED
SATNA (M.P.)**

AMBIENT NOISE MONITORING REPORT

MONTH – AUGUST 2021

1. Name and address of Factory : **PRISM JOHNSON LTD.**
Prism Cement Limestone Mines
Village- Mankahari, Hinauti & Sijahata
Post - Bathia
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Swati Vaish
3. Details of noise monitoring :-

S. No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	SW (BP No. 18)	18.08.2021	60.6	53.12
2	Near Western side ML boundary (Pillar No. 14) of ML area	18.08.2021	59.12	52.67
3	Mankahari Village	18.08.2021	54.32	47.3
4	Hinouti village	18.08.2021	55.92	49.72



Sumitabh Dwivedi
Sr. Manager – Environment



Manoj Kumar Kashyap
Asst. Vice President

**PRISM JOHNSON LIMITED
SATNA (M.P.)**

AMBIENT NOISE MONITORING REPORT

MONTH – SEPTEMBER 2021

1. Name and address of Factory : **PRISM JOHNSON LTD.**
Prism Cement Limestone Mines
Village- Mankahari, Hinauti & Sijahata
Post - Bathia
Distt - Satna (M.P)- 485111
2. Name of person prepared the report : Swati Vaish
3. Details of noise monitoring :-

S. No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	SW (BP No. 18)	20.09.2021	60.8	52.25
2	Near Western side ML boundary (Pillar No. 14) of ML area	20.09.2021	58.17	51.52
3	Mankahari Village	20.09.2021	54.87	48.45
4	Hinouti village	20.09.2021	56.5	49.92



Swati Vaish
Dy. Manager – Environment



Manoj Kumar Kashyap
Asst. Vice President