

Through – Parivesh Portal

दूर की सोच

PJL/MIN/PCL/2023-23104

01st December, 2023

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

Sub: Six Monthly Compliance report of Environment Clearance over 253.326 ha area of Limestone Mine of M/s Prism Johnson Ltd. In Village Hinauti & Sijhata, Tehsil Rampur Baghelan, Dist. Satna (M.P.)

Ref: Environment Clearance letter no.J-11015/37/96-IA, II (M), dated 31.12.1996.

Dear Sir,

We are sending enclosed herewith the six monthly compliance report (period April 23 to September 2023) of the environmental clearance granted for limestone deposit at Village- Hinauti & Sijhata, Tehsil- Rampur Baghelan, Dist. Satna (M.P.), related to Environment Clearance letter no. J-11015/37/96-IA, II (M), dated 31.12.1996., along with necessary enclosures.

We hope you will find the same in order.

Thanking you.

Yours faithfully,
For Prism Johnson Limited


Mines Manager

Prism Cement Limestone Mines

Encl: As above

PRISMJOHNSON LIMITED

(Cement Division)

Works: Village Mankahari, P.O.-Bethia, 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: L26942TG1992PLCO14033

<p>The environmental clearance would be applicable to 1143.41 Ha.</p>	<p>⇒ Initial grant of 1143.41 ha Environment Clearance comprised of mining lease of 791.004 ha + 309.608 ha. + 42.798 ha (PL). Subsequently PL was not converted into ML.</p> <p>Later, 791.004 ha + 42.798 ha were amalgamated and after leaving some restricted area, mining lease was granted for an area of 772.067 ha only. 772.067 ha ML was granted EC vide MoEF letter No. J-11011/949/2007-IA-II (I) dated 22.09.2008.</p> <p>Now the said EC 1996 pertains to only 253.326 ha ML area out of 1143.41 ha for compliances. Accordingly, all conditions of EC for 1143.41 Ha are being complied for 253.326 Ha. The copy of the approval letter is enclosed as Annexure- 1.</p>
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<p>No change in the calendar plan including excavation, quantum of limestone and waste rock /O.B. dumps should be made.</p>	<p>Mining is carried out as per the approved Scheme of Mining vide IBM letter no MP/Satna/Limestone/RMP-10/21-22 Jabalpur Dtd. 28.07.2021. The copy of the approval letter is enclosed as Annexure 2.</p>
<p>The topsoil and O.B. dumps should be stacked in earmarked dump sites.</p>	<p>Waste rock generated during the course of mining is used for concurrent backfilling of the mined out area. Top soil is spread over the backfilled area for carrying out plantation.</p> <p>Soil and OB dumps are maintained separately at earmarked locations as per the scheme of mining approved by the Indian Bureau of Mines.</p>
	<div data-bbox="762 987 1378 1294" data-label="Image"> </div> <p style="text-align: center;">Overburden Dump Located in Area 253.326 ha</p> <p>Top soil generated is stored and later spread over backfilled area which is used for plantation.</p> <p>All dumps are temporary in nature and placed within excavated area which will be used for backfilling in future. The relevant pages of the approved mining scheme is enclosed as Annexure No-4</p>
<p>Garland drains should be constructed downstream to the existing nala system to safeguard the mine faces.</p>	<p>Garland drain having dimension of cumulative length of 1.2 Km, a width of 2.0 to 3 meters and depth of 0.75 to 1.2 meter already exists. The drain system is continuously developed to safe guard the mine faces.</p> <p>Catch drains around the old OB dumps have been constructed. Picture of the same is displayed.</p>



Garland DrainSettling Pond

The levels of SPM should not exceed 500 $\mu\text{g}/\text{m}^3$ at any station within the leasehold. Emission of SO_2 , NO_x and CO should be maintained below the levels prescribed by the competent authority. Control measures suggested in the EMP in this regard should be strictly implemented. The dust pollution in the limestone mine needs to be further controlled by incorporating additional mitigative measures at the sources itself.

The SPM, SO_2 , NO_x and RPM are well within the prescribed limits.

Ambient air quality monitoring reports of different locations are given in **Annexure-5**.

Pollution control measures are strictly implemented. Water spraying is done on the entire haul roads from water tanker.

Atomized water spraying arrangement exists at the crusher hopper.



Water spraying System in Crusher Hopper

Environment Protection Measures are mentioned in EMP, salient features are as mentioned below:-

POLLUTION CONTROL MEASURES

The mining operations are not anticipated to raise the concentration of the pollutants any more. However, following measures have been/would be adopted to mitigate the SPM levels in ambient air:



- i) Measures to prevent Generation and Dispersal of Dust**

	<p>Dust particles, which are normally generated during mining operations become air borne, thus leading to increase in SPM level in the ambient air. Another source of dust generation is the transport of the material by trucks. Adequate control measures are therefore taken by PCL during both mining operations as well as transportation/dumping of Limestone/OB which shall be extended to proposed additional mining area also :</p> <ul style="list-style-type: none"> • Dust suppression systems (water spray) are/would be adopted at loading faces. —fully implements and complied. • Dust generation is/would be reduced by using sharp tooth for shovels. —fully implements and complied • Dust suppression system. (Water spraying) have been/would be adopted on roads which are used for transportation and plying of vehicles — fully implements and complied <p>ii) Measures to Control Air Pollution due to Airborne Dust</p> <p>In addition to control measures during mining and transport operations, following steps have been/would be taken to prevent air pollution due to air borne dust:</p> <ul style="list-style-type: none"> • More trees have been/would be planted around the dust generation points—fully implemented/complied. • More trees have been/would be planted on both sides of the roads along slopes etc. —fully implemented/complied. • Afforestation around the mine to filter out the dust and preventing it from reaching the residential areas has been / would be undertaken—fully implemented/complied. • Dust masks have been provided to workers, engaged at dust generation points like loading, dumping points etc. — —fully implemented/complied. • Afforestation already mined out areas would be done as per schedule with minimum gap between excavation and afforestation to fix the dust and prevent it getting airborne —fully implemented/complied..
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<p><i>The quality of effluents finally discharged should conform to the standards prescribed under GSR 422(E) dated 19.5.1993 and 31.12.1993.</i></p>	<p>No industrial wastewater is generated as the cement plant is operated on dry process.</p> <p>For domestic wastewater, there is a sewage treatment plant of the state-of-art technology. It has the capacity to treat domestic wastewater of 600 KLPD.</p> <p>Contaminated water generated due to washing of equipment is passed through Effluent Treatment plant (ETP) having separate chambers and pumping arrangement. The oil and grease is skimmed and kept in sealed barrels for further disposal to authorized vendors.</p> <p>The strained out water left in the tank is stored in tanks, and is re-used for washing of HEMM.</p> <p>Detailed Report of treated effluent attached as -Annexure No- 10.</p>
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<p>Regular monitoring of air, water and noise should be made in and around the core-zone. Recorded data should be furnished to this Ministry (Regional Office, Bhopal) and the State Pollution Control Board six monthly. Noise levels should not exceed the limit of 85 dB. Ear plugs/ear muffs, may be provided to the workers engaged in the noisy atmosphere.</p>	<p>Regular monitoring of ambient air quality, water quality and noise level are done at different locations in and around the core zone. Recorded data is submitted to relevant authorities as per schedule. Monitoring reports of the ambient air quality, water quality and noise level are given in Annexure 5,6 and 7 respectively. The noise level is well within acceptable limits.</p>
	<p>Ear plugs, dust masks are provided to workmen working in noisy atmosphere. Total PPE's distributed is given in Annexure 8</p>

<p>The anti-pollution measures with regard to environment quality prescribed in the EMP should be implemented schedule in a time bound programme.</p>	<p>The anti-pollution measures with regard to environment quality prescribed in the EMP have already been implemented.</p> <p>Water spraying is done on the entire haul roads round the clock by water tanker.</p>  <p>Water spraying arrangement has been made at the crusher hopper.</p> <p>Permanent sprinkler arrangement along the haul road area</p> 
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EMP Compliance Report is summarized below:

A] POLLUTION CONTROL MEASURES

i) **Measures to prevent Generation and Dispersal of Dust**

- Dust suppression systems (water spray) are/would be adopted at loading faces-fully implemented and complied.
- Dust generation is/would be reduced by using sharp tooth for shovels -fully implemented and complied.
- Dust suppression system (Water spraying) have been/would be adopted on roads which are used for transportation and plying of vehicles -fully implemented and complied.

ii) **Measures to Control Air Pollution due to Airborne Dust**

In addition to control measures during mining and transport operations, following steps have been/would be taken to prevent air pollution due to air borne dust: -fully implemented and complied.

- More trees have been/would be planted around the dust generation points -fully implemented/complied.
- More trees have been/would be planted on both sides of the roads along slopes etc. -fully implemented/complied.
- Afforestation around the mine to filter out the dust and preventing it from reaching the residential areas has been / would be undertaken-fully implemented/complied.
- Dust masks have been provided to workers, engaged at dust generation points like loading, dumping points etc. - fully implemented/complied.
- Afforestation already mined out areas would be done as per schedule with minimum gap between excavation and afforestation to fix the dust and prevent it getting airborne -fully implemented/complied.

iii) **Surface Water Pollution Control Measures**

No surface water bodies are likely to get adversely affected by mining operations. No contamination of surface water source is anticipated as there are no toxic or chemical materials either in the mineral or the top soil cover.

Rain water which is accumulated shall be guided down to suitable drains after passing through reservoirs used as settling tanks-fully implemented/complied.

iv) **Ground Water Pollution Control Measures**

- The ground water table in the mine area is not likely to be affected. No control measures to prevent ground water have, therefore been recommended. -Agreed

v) **Noise Pollution Control Measures**

The noise level monitoring carried out in area has indicated the present noise levels are generally below 65(average) dB(A) which also includes impact of noise of deployment of various machines for excavation, transport, dumping, other auxiliary operations and plant operation. The following measures have been/would be taken to keep the noise levels well below the limits:

- A thick green belt has been/would be provided around the periphery of the mine to screen the noise. -fully implemented/complied.
- Trees are/would be planted on both sides of roads used for transportation vehicles. -fully implemented/complied.
- Proper maintenance of noise generating machinery including the transport vehicles. -fully implemented/complied.
- Provision of silencers to modulate the noise generated by machines. -fully implemented/complied.
- Provision of protective device like ear muffs/plugs. -fully implemented/complied.
- Provision of sound Insulated chambers for the workers deployed on machines producing higher level of noise like bulldozers, drills etc., --fully implemented/complied.
- Confining the noise levels by isolating the source of noise. -fully implemented/complied..
- Reducing the exposure time of workers to higher noise levels -fully implemented/complied.

vi) **Measures To Reduce Ground Vibrations**

- Peak particle velocity or Ground Vibrations for safety of nearby structures and residential buildings is well within 12.5mm/sec. -fully implemented/complied.
- For safe permissible charges per delay initially guidance was taken from the empirical propagation equation $V=313.22(D/Q^{1/2}).1.67$ but now it is firmed up by monitoring studies during the development stage for existing mines--fully implemented/complied.
- Use of short delay detonators and non-electric detonators -fully implemented/complied.

- To contain fly rocks, stemming column shall not be less than burden of hole. -fully implemented/complied.
- As per the practice, each blast is carefully planned, checked, executed and monitored. Charge sheets and blasting data is recorded. -fully implemented/complied.
- Electric detonators are used. Covering the detonating fuse Blasting is carried out in daylight hours only. -fully implemented/complied.
- Care is taken to ensure that the effective burden is not excessive -fully implemented/complied.
- Number of blasts per delay are kept to the minimum. -fully implemented/complied.
- To adopt multi row blasting & "V" pattern of firing. -fully implemented/complied.

B] MEASURES TO IMPROVE SOCIO-ECONOMIC CONDITIONS

After Commissioning of Existing Project

- 2.5 km WBM road to connect the villages -fully implemented/complied.
- Repair of existing connecting roads in villages -fully implemented/complied.
- Repair of drainage system in Hinouti village -fully implemented/complied.
- PCL has constructed 1.6 km long & 10 m wide WBM road connecting plant to State Highway. Construction cost was Rs. 12.0 lacs and annual maintenance cost is Rs. 3.0 lacs per annum. -fully implemented/complied. The road is now fully concreted.
- PCL is contributing an amount of Rs. 13000/- per annum towards sports in the surrounding villages. -fully implemented/complied.
- Provide drinking water to villagers in any social & religious gathering, -fully implemented/complied..

Proposed Welfare Measures

In addition to welfare measures carried out, PCL shall continue the efforts to improve the socio-economic status of the local habitants, PCL shall review the various welfare schemes going on in the area from time to time and take decisions of modification/addition of welfare schemes as per the requirement of local habitants,

Medical facility

- A dispensary has been provided in the township area for the employees and same service is extended to local populations. A mobile clinic for rural medical health care has already been provided which visit the nearby villages twice every week. -fully implemented/complied.
- Medical Centre is well equipped with all types of emergency medical equipment's e.g. emergency medicines, oxygen cylinder, electrically and manually operated suction pumps, statures etc. one well equipped ambulance containing arrangements for carrying 3 patients at a time is also provided to deal with emergencies. -fully implemented/complied.
- Medical Centre is provided full time medical officer, three nursing assistants, three helpers, & other staff. Special arrangements have been made for regular visits of child specialists and gynecologist from Satna. -fully implemented/complied.
- PCL is planning to provide pathological facility for testing of blood and urine at Medical Centre in coming year. -fully implemented/complied.

Bank & Police Station

- PCL-has-provided land & building and requisite facility to -a Nationalize (Bank & Police Station at village Mankahari. -fully implemented/complied.

Employment: most of the workers belong to the local area. **In addition to this most of the local people are engaged in indirect employment like casual labour, dhaba, supply of local items, local mechanical works-** -fully implemented/complied..

Communication

- PCL has also provided land & building to telephone exchange at village Mankahari. With the establishment of Telephone Exchange, other business opportunity for local population is widened. -fully implemented and complied.



A green belt around the dust generation points and the lease area should be provided. The density of the trees should be at least 1600 sapling/ha. Mixed species of sapling should be selected for enhancing the bio diversity programme in the lease hold area as mentioned in EMP and supplementary note should be implemented phase wise as envisaged.

Extensive plantation has been taken up covering the areas on either side of the crusher ramp, haul roads, sides of reservoir, dump slopes and in non- mineralized areas etc. as well as some part along the lease boundary. Plantation is going on in the backfilled areas cumulative plantation (Nos.) till FY 2023-24 is **113,683** covering 40.7 Ha.



Plantation 253.326 Ha for the last 10 years

Sl. No.	Year	Total No. of Plants
1	2014-15	2500
2	2015-16	9000
3	2016-17	10000
4	2017-18	6000
5	2018-19	6000
6	2019-20	9073
7	2020-21	11190
8	2021-22	2800
9	2022-23	2880
10	2023-24	3755

113,683 since inception

<p>The socio-economic/community development measures including health care need to be augmented. A detailed annual action plan / time bound scheme for the socio-economic development should be submitted to the Ministry within three months.</p>	<p>A note on Socio economic development action plan has already been submitted to MoEF, Delhi / Bhopal vide our letter no. MIN / 0701 / 990628 dated 03.2.2000 Annexure-9. The CSR programme is common for PCL. Expenditure made during 2023-24 for socio – economic / community development has been given in Annexure-3.</p>
	
<p>Uniform distribution at School Village ,Hinauti</p>	<p>Renovation of Hr. Sec. School at Sijahata</p>
	
<p>Cataract Operation</p>	<p>Toilet - Swachha Bharat</p>
	
<p>Pickle & Papad Making Training</p>	
<p>Mining operations should be carried out in such a manner that inhabitants of the villages Sijhata and Hinouti should not be shifted and adequate measures for socio-economic development be carried out.</p>	<p>Mining operations are carried out taking utmost care as per Scheme of Mining approved by Indian Bureau of Mines. All blasting operations are carried out as per permissions by the DGMS and guidelines of CMFRI. Report attached as Annexure-12.</p>
	<p>The habitation of Hinauti and Sijhata villages are not affected. Adequate measures for socio-economic development are carried out as per details in sl no. 9</p>
<p>Environmental Management Cell has to be established to carry out functions relating to environmental management action plans. The Head of the Cell should directly report to the Chief Executive.</p>	<p>Environmental Management Cell is functioning effectively, Annexure 11.</p>
<p>Adequate fund provision (capital and recurring expenditure) should be provided for implementation of all</p>	<p>Adequate fund provision has been made for implementation of socio-economic programs and environment management plan</p>

safeguards including socio-economic programme as above. The funds should not be diverted for any other purpose (an amount of 1062.0 lakhs earmarked for pollution control measures and afforestation). Separate account would be kept for implementation of EMP measures.

and accordingly spent.

The fund for pollution control measures has not been diverted to any other purposes.

13	<i>The Ministry reserves the right to stipulate any other conditions, as may be required based on feedback etc. in the interest of environmental protection</i>	Agreed. The Ministry may provide, as it may see fit, additional conditions for protection of environment.
14	<i>The project would be monitored by the regional office of this Ministry, Bhopal / the Central Pollution Control Board / the State Pollution Control Board. The project authorities should extend full cooperation to the officers of the Regional Office by furnishing the requisite data / information / monitoring report and all provide full access to the works / records etc.</i>	Full coordination is extended to the officers of Regional Office in furnishing the requisite data/ information/ monitoring report and all access to the works/ records etc.
15	<i>Environmental compliance status vis-à-vis project implementation report specifically giving the progress of the implementation of afforestation programme, social welfare activities, including health care facilities should be submitted for the scrutiny of this Ministry and Regional Office once in 6 months regularly for regular monitoring purpose.</i>	Six monthly compliance report is submitted to RO MoEF, Bhopal and respective authorities regularly.
16.	<i>The implementation of these conditions and safeguards will be enforced inter alia under the water (Prevention and Control of Pollution) Act, 1974 and the Environment (Protection) Act 1986 and the Public Liability Insurance Act 1991.</i>	All these conditions as prescribed in the water (Prevention and Control of Pollution) Act, 1974 and the Environment (Protection) Act 1986 and the Public Liability Insurance Act 1991 are complied. Annexure 5 to 6.

253.326
3/9/96

मध्य प्रदेश शासन
खनिज सार्वजनिक विभाग
"खानाबद"

क्रमांक 3-29/95/12/ भोपाल, दिनांक
प्रति,

कलेक्टर,
जिला- सतना [म.प्र.]

विषय:- जिला सतना के ग्राम हिनोती, तिजहटा के रकबा 309.608 हेक्टर
क्षेत्र पर लाईम स्टोन खनिज हेतु मैलर्स प्रिज्म लीमिटेड लि.
संदर्भ:- आगका डा.क्र. 11एम/30/एमएल/94 दिनांक 9.3.95

मैलर्स प्रिज्म लीमिटेड लि० ने जिला सतना के ग्राम हिनोती -तिजहटा
के 309.608 हेक्टर क्षेत्र पर लाईम स्टोन खनिज के लिये खनिजदाता आवेदन पत्र
प्रस्तुत किया ।

2. आवेदन पत्र का परीक्षण करने पर पाया गया कि मैलर्स प्रिज्म लीमिटेड
लिमि. द्वारा आवेदित 309.608 हेक्टर क्षेत्रमें 56.282 हेक्टर क्षेत्र होता नया
क्षेत्र है जो कि आवेदक को पूर्वोक्त अनुसूचित में स्वीकृत नहीं था अतः खान एवं
खनिज विनियमन एवं विकास अधिनियम 1957 की धारा 5(1) के अन्तर्गत
होता क्षेत्र जो पूर्वोक्त में स्वीकृत न हो खनिजदाता में स्वीकृत नहीं किया जा सकता
अतः आवेदक को ग्राम हिनोती का 240.746 हेक्टर एवं तिजहटा का 12.580
हेक्टर कुल 253.326 हेक्टर क्षेत्र खनिजदाता में स्वीकृत हेतु उपलब्ध पाया गया ।

3. आवेदित खनिज अनुसूची "क" का खनिज होमे ले खान एवं खनिज
विनियमन एवं विकास अधिनियम 1957 की धारा 5(1) के अनुसार स्वीकृति
के पूर्व केन्द्रीय शासन ने उनके पत्र क्रमांक 4/97/95/एम-4 दिनांक 8.8.95 द्वारा
उनका अनुमोदन प्राप्त किया गया ।

4. अतः राज्य शासन द्वारा आवेदक को नीचे दर्शाई गयीं पर खनिजदाता
स्वीकृत किया जाता है :-

1. आवेदक का नाम मैलर्स प्रिज्म लीमिटेड लिमिटेड

॥2॥ स्वीकृत क्षेत्र का विवरण - ग्राम हिमौली 240.746 हेक्टर
ग्राम तिजहटा 12.580 हेक्टर

कुल - 253.326 हेक्टर

॥3॥ खनिज का नाम लाईम स्टोन
॥4॥ स्वीकृति की अवधि 20वर्षी [बीस वर्ष] बिना नवीकरण कठिडका के ।

॥5॥ आवेदक कंपनी द्वारा स्थानीय क्षेत्रीय विकास कार्य हेतु स्वेच्छिक योगदान दिये जाने के संबंध में अपने पत्र दिनांक 22-7-96 से श्री सर्व अडरटेकिंग के अनुसार जित प्रकार अन्य सदस्यारियों से लिया जावेगा, आवेदक कंपनी को देव होगा ।

॥6॥ रायल्ली / डिडरेंट अधिनियम में प्रस्तावित दर से ।

॥7॥ धियोडोलोलाईट तर्षे आदि आवश्यक हो तो किया जावे ।

॥8॥ यूनाइटेड [मार्बल] डोलोलाईट की स्थिति में :-

खनि रिवायत नियमावली 1960 के अन्तर्गत निर्धारित अनुबंध पत्र "जे" खण्ड तात में सर्व प्रमाणिक 21 के बाद मध्यप्रदेश शासन, नैतर्गिक ताधम विभाग के पु.क्र. 8814-6384/12 दिनांक 24.11.1962 द्वारा तृपित सर्व "ड" 21 "ए" जोडी जावे ।

॥9॥ आवेदक अनन किये गये यूनाइटेड का उपयोग स्थापित तीमेंट तर्षे में करेगा।
5/- यदि आवेदक को उपरोक्त सर्व मान्य हो तो निम्नानुसार जमानत राशि जमा कराकर आदेश प्राप्त होने के 6 माह के भीतर अनुबंध का निष्पादन किया जाकर अनुबंध की एक प्रति भेजी जावे ।

कृपया अनुबंध निष्पादन के पुर्व यह सुनिश्चित कर लेंकि आवेदक ने उपर किली प्रकार का खनिज राज्य की राशि बकाया तो नहीं है ।

मध्यप्रदेश के राज्यपाल के नाम से तथा
आदेशानुसार,

[Signature]
॥ ए.के. मिश्री ॥

अवर सचिव

मध्यप्रदेश शासन, खनिज ताधम विभाग

11311

पुणे 3-29/95/12/1

मोघाल, दिनांक 3/9/96

प्रतिलिपि:-

- 11] सचिव, भारत सरकार, खान मंत्रालय, शास्त्री भवन नई दिल्ली ।
- 12] संचालक, मौखिकी तथा खनिज, रायपुर ।
- 13] डायरेक्टर जनरल ऑफ माइनर्स लेव्ही एलवाय (बिहार)
- 14] कन्ट्रोलर जनरल इण्डियन म्यूरॉ ऑफ माइनर्स नागपुर ।
- 15] क्षेत्रीय खान निबंधक भारतीय खान म्यूरॉ जवहरपुर ।
- 16] मेजर प्रिन्स सीमेंट लि. राजेन्द्र नगर ताना
की ओर सूचनार्थ एवं आवश्यककार्यवाही हेतु अग्रेषि ।


 स. के. त्रिवेदी
 अवर सचिव

मध्यप्रदेश शासन, खनिज सार्वजनिक विभाग

प्रतीवास्तव

कार्यालय कलेक्टर (खनिज-शाखा) जिला, सतना (म.प्र.)

E-mail modgmsat@mp.gov.in

पत्र क्रमांक 233/खनिज/2016

सतना दिनांक 23/1/2016

प्रति,

मेसर्स प्रिज्म सीमेंट लिमिटेड,
तहसील रामपुर बघेलान
जिला-सतना (म0प्र0)

विषय :- खनिपट्टा ग्राम हिनाती, सिजहटा तहसील रामपुर बघेलान, जिला सतना के रकबा 253.326 हेक्टेयर क्षेत्र पर खनिज चूनापत्थर खनिपट्टा में समय वृद्धि।

संदर्भ :- आपका आवेदन पत्र दिनांक 22.01.2016 कार्यालयीन पत्र पृ० पत्र क्रमांक 1750/खनिज/2015 दिनांक 26.10.2015।

—00—

विषयांतर्गत आपके पक्ष में जिला सतना अंतर्गत तहसील रामपुर बघेलान के ग्राम हिनाती, सिजहटा में रकबा 253.326 हे० पर चूनापत्थर खनिपट्टा अवधि 28.09.1996 से 27.09.2016 तक स्वीकृत है। खान एवं खनिज (विकास तथा विनियमन) अधिनियम 1957 में हुए संशोधन 2015 व राज्य शासन के पत्र दिनांक 12.03.2015 के पालन में मूल स्वीकृति दिनांक से 50 वर्ष अथवा कैप्टिव माइंस हेतु 31.03.2030 समय वृद्धि का प्रावधान किया गया है। उक्त खनिपट्टे का अनुबंध निष्पादन 28.09.1996 को किया गया था जिसका एम.एम.डी.आर. 2015 के अंतर्गत अवधि 27.09.2046 तक प्रस्तावित है एवं अनुबंध निष्पादन की कार्यवाही प्रचलन में है।

उपरोक्त बावत् आपको सूचित किया जाता है कि संशोधित खनिज नियम 2015 व म0प्र0 शासन खनिज साधन विभाग भोपाल के पत्र दिनांक 12.03.2015 व चेकलिस्ट अनुसार माईनिंग प्लान/माईनिंग स्कीम व अन्य समस्त आवश्यक औपचारिकताएं पूर्ति करावे, जिससे शासन आदेशानुसार आवश्यक कार्यवाही की जा सके।

f खनि अधिकारी 23/01/16

कृते कलेक्टर जिला-सतना (म0प्र0)

भारत सरकार
खान मंत्रालय
भारतीय खान ब्यूरो
क्षेत्रीय खान नियंत्रक का कार्यालय



GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
O/O THE REGIONAL CONTROLLER OF MINES

फा० सं० - MP/Satna/Limestone/RMP-10/2021-22

5578

जबलपुर, दिनांक : 28/07/2021

प्रति,

M/s Prism Johnson Ltd.,
Rajdeep, Rewa Road,
District - Satna (M.P.) - 485 001
E-mail - regdofficeprismcement@gmail.com

विषय- मध्य प्रदेश राज्य के सतना जिले में स्थित आपकी प्रिज्म सीमेंट लाइमस्टोन खान (क्षेत्र 253.326 हे०) के एमसीआर-2016 के नियम 17 (1) के अंतर्गत जमा किए गए खनन योजना के पुनर्विलोकन का अनुमोदन।

- संदर्भ :-1) आपका पत्र क्रमांक - PJI/MIN/2021/210183, दि० 28/04/2021, कार्यालय में प्राप्त दि०-29/04/2021, भारतकोष द्वारा जमा प्रक्रिया शुल्क की रसीद संख्या 2704210002919, दि० 27/04/2021
2) इस कार्यालय का समसंख्यक संवीक्षा-पत्र दि०- 09/07/2021
3) आपका/क्यू पी० का पत्र क्रमांक - PJI/MIN/2021/210225, दि० 16/07/2021 (प्राप्ति दि० 19/07/2021)

महोदय,

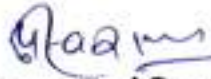
In exercise of the powers conferred under Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Amendment Act, 2015 read with Government of India Order no. S.O.1857(E), dated 18/05/2016, I hereby **Approve** the above said Review of Mining Plan submitted under Rule 17(1) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- 1 The Review of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Amendment Act, 2015, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance furnished by you for **Rs. 6,83,84,100/- (Rs. Six Crore Eighty Three Lakh Eighty Four Thousand One Hundred only)** is valid up to **31/03/2026** and next Financial Assurance shall be submitted on or before **31/03/2026**.
- 7 This approval is restricted in respect of proposals given in the document for the period **2021-22 to 2025-26** with validity up to **31/03/2026 from the date of approval**, subject to all other statutory clearances.

- 8 If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately.
- 9 The next Review of Mining Plan will be due for submission on **01/10/2025**.
- 10 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved review of mining plan under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.

संलग्न-अनुमोदित पुनर्विलोकन खनन योजना की एक प्रति के साथ।

भवदीय,


(पुखराज नेणिवाल)
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो, जबलपुर

PRISM JOHNSON LIMITED
CSR Activities Roadmap Summary FY 2023-24

S.N.	Category under Schedule VII	Description of Activity	Proposed Budget Amount Rs. In Crore				
			Q-1	Q-2	Q-3	Q-4	Total
1	Availability of drinking water Schedule VII (i)	Availability of potable water through installation of hand pumps with bore well, supply through water tankers	0.03	0.03	0.02	0.02	0.10
2	Environment, water Conservation and Promoting renewable energy Schedule VII (iv)	Plantation and survival, construction of water harvesting structures, deepening of ponds, development of social forestry	0.36	0.33	0.11	0.04	0.84
3	Health & Hygiene Schedule VII (i)	Free medical facility, camps and free ambulance service	0.03	0.02	0.04	0.05	0.14
4	Promoting Education Schedule VII (ii)	Repairing & maintenance of school buildings, slogan writing, Construction of boundarywall	0.03	0.03	0.09	0.02	0.17
5	Rural Infrastructure Development Schedule VII (X)	Renovation of community centers, Construction of drainage in villages	0.02	0.07	0.13	0.05	0.27
6	Social Welfare Schedule VII (iii, iv & vi)	Support to old age home, animal Welfare and other assistance required as per development activity	0.04	0.02	0.02	0.01	0.09
7	Vocational Skill Development Schedule VII (ii)	Vocational skill development trainings, livelihood support	0.00	0.00	0.01	0.02	0.03
	Total		0.51	0.50	0.42	0.21	1.64

exploration activities have been completed for the second band due to which the reserve have increased to 48,219 million tonnes. As of 31.03.21.

Annual requirement of Limestone is about 50 million tonnes. It is proposed to mine about 2.175 million tonnes of Limestone every year from this ML area. Remaining quantity will be met from other leases of the Company. Based on the proposed production capacity, the life of the mine is about 22 years.

Conceptual Exploration:

The first phase of exploration was carried out by Prism Cement took up prospecting operations through G. E. M division of ACC in the year 1980-86. The total nos of 33 boreholes completed in 885.5 m depth of the exploration for established of PVI band of Limestone in the mining lease area. The second phase and third phase of exploration was carried out by Prism Johnson limited who drilled 71 boreholes 3313 meters in grill interval (2000200) meters and a second band of limestone established and no conceptual exploration to be proposed in the mining lease area.

Table No. 2.14

As on Date			During Proposed Period			During Conceptual Period		
Type	Quantum No. / Size	Area Covered (Ha.)	Type	Quantum No. / Size	Area Covered (Ha.)	Type	Quantum No. / Size	Area Covered (Ha.)
PVI	--	--	PVI	--	--	PVI	--	--
Tram	--	--	Tram	--	--	Tram	--	--
PI	130 Nos area 130	253.281 (2000200)	Corr 04	15 Nos 1250m	26.7 (2000200)	Corr 04	144 180m	12 (2000200)
Other	--	--	--	--	--	--	--	--

All exploration activity completed as per MCGM rules 2015 in the previous plan period there is no proposal to extend activities into the proposed & conceptual period and boreholes are completed. They are shown in the Surface Geological Plan. The exploratory boreholes are drilled to a depth for the confirmation of the mineral according to the rules.

Surface Geological Plan and Sections have been given in the Plans No. - IV and Plans No. - V respectively showing the locations of the boreholes drilled and ultimate pit level.

Conceptual development

Following PVI will be available at the end of Conceptual Period

Table No. 2.15

S. No.	PVI Name / No.	Broken Area (Ha)	PI Bottom Area (Ha)	Surface RL (Ramp)	PI Bottom RL (Level)	Maximum No. of Boreholes on any side of PVI			Overall Slope
						Type	Borehole No.	Avg. Depth	
1	PVI-1	130.80	130.42	200-200	249	Soil	1	2	45°
						Limestone	2	0	
						Waste Rock	3	0	
						Limestone	2	0	
Total	130.80	130.42							

- Ore to be generated during conceptual period = 31,400,332 Tonnes
- Waste Rock to be generated during conceptual period = 32,719,616 (Cust)
- OSS to be generated during conceptual period = 813,988 (Cust)
- Top soil to be generated during conceptual period = 94,823 (Cust)

Plan period 2025-2031:

The opening limestone reserves for the period (2020-2031) is proposed to be at 32.71 million tons after generating 10.975 million tons for the plan period of 2021 to 25. The ore proposed to be exploited in the period 2025-31 is 10.875 Million tons. The working is proposed to be between pit located between N-285 to -3094 and E-488 to 1264, occupying an area of 48.25 ha. The working will be limited to two benches in first band of Limestone and two benches in Second band of Limestone.

Table No. - 2.16.1

S. No.	PVI Name / No.	Broken Area (Ha)	PI Bottom Area (Ha)	Surface RL (Ramp)	PI Bottom RL (Level)	Maximum No. of Boreholes on any side of PVI			Overall Slope
						Type	Borehole No.	Aug. Depth	
1	PVI-1 253.281 Ha	48.25	48.0	204-207	249	Soil	01	4-6	45°
						Limestone	00	00	
						Waste Rock	00	0-0	
						Limestone	00	00	

- Ore to be generated during conceptual period = 10,467,779 Tonnes

OS to be generated during conceptual period

= 1008847 M³ (Cum)

Plan period 2021-2026 of plan period:

The opening balance reserve for this period (2021-2026) is proposed to be at 21.805 million tons after generating 10.875 million tons for the plan period of 2025 to 2021. The ore proposed to be exploited in the period 2021-26 is 10,875 Million tons. The working is proposed to be between pit located between N-238 to -1390 and E-1284 to E1812, occupying an area of 52.32 ha. The working will be limited to two benches in first band of Limestone and two benches in Second band of Limestone.

Table No. - 2.55.1

S. No.	Pit Name / No.	Broken Area (Ha)	Pit Bottom Area (Ha)	Surface RL (Range)	Pit Bottom RL (Lower)	Maximum No. of Benches on any side of Pit			Overall Slope
						Type	Benches No.	Avg. Height	
1	Pit Area 202-220 West	52.32	41.85	280-287	268	Soil	01	4-6	45°
						Limestone	02	6-8	
						Waste Rock	02	6-8	
						Limestone	02	6-8	

OS to be generated during conceptual period

= 10,467,779 Tons

OS to be generated during conceptual period

= 1168847 M³ (Cum)

Plan period 2026 to 2041 of plan period:

The opening balance reserve for this period (2026-2041) is proposed to be at 10.66 million tons after generating 10.875 million tons for the plan period of 2031 to 2026. The ore proposed to be exploited in the period 2026-41 is 10,875 Million tons. The working is proposed to be between pit located between N-570 to N-1666 and E1281 to E2962, occupying an area of 51.75 ha. The working will be limited to two benches in first band of Limestone and two benches in Second band of Limestone.

Table No. - 2.55.1

S. No.	Pit Name / No.	Broken Area (Ha)	Pit Bottom Area (Ha)	Surface RL (Range)	Pit Bottom RL (Lower)	Maximum No. of Benches on any side of Pit			Overall Slope
						Type	Benches No.	Avg. Height	
1	Pit Area 202-220 West	51.75	41.40	280-287	268	Soil	01	4-6	45°
						Limestone	02	6-8	
						Waste Rock	02	6-8	
						Limestone	02	6-8	

OS to be generated during conceptual period

= 10,467,779 Tons

OS to be generated during conceptual period

= 1168847 M³ (Cum)

Conceptual OS Dump Management:

The inter band of shaly limestone ranges from 10 to 20 mts thin soil cover of 1 to 2 mts covers the area left out of current mining activities. It is proposed to utilize the Waste rock in backfilling the mined out area. Reclamation will be carried out over it after spreading 0.5 mts. thick soil cover. No external dumping will be done during end of life of the mine. Entire quantity of soil and waste rock to be generated will be utilized in backfilling purpose in mined out area.

(A) Present Position

a) Following Solidstams will be available at present:

TABLE NO. 2.19

Cont. No.	Type Active / Inactive	Quantity (MT)	Quantity (Tons)	Base Area (Ha.)	Base Area (Sq.)	Avg. Height (M)	Area stabilized	Location
01	Inactive	32281	130549	28300	2.83	5	Teracing & Gentle slope	1341E to 1522E and 66N to 301N
02	Inactive	144126	220589	12410	1.4	13	Temporary in 30 Soil Storage	1312E to 1447E.S -271N to 471N.
Total		176407	351138	30710	4.27			

b) Following Waste dumps are available in the area at present:

Dump No.	Type Active/Inactive	Quantity (M ³)	Quantity (Tonnes)	Base Area (M ²)	Base Area (Ha.)	Avg. Height (M)	Area stabilized	Location
01	Active	400100	1320004	3700	0.78	33	Temporarily in pit Dumping	6016 to 6105 and 12356 to 13179
Total		400100	1320004	3700	0.78	33		

(B) Proposal Period Position

a) Following Soil dumps will be available at the end of Proposal Period:

Table No. 2.17

Dump No.	Type Active/Inactive	Quantity (M ³)	Quantity (Tonnes)	Base Area (M ²)	Base Area (Ha.)	Avg. Height (M)	Area stabilized	Location
01	Inactive	35031	40028	28080	2.83	1	Terracing & Quasi slope	13118 to 13282 and 368 to 3535
02	Inactive	144709	230688	13410	1.34	12	Temporarily in pit Soil Storage	12150 to 13170 & 3719 to 4119
Total		179740	270716	41490	4.17			

b) Following Waste dumps will be available at the end of Proposal Period:

No any waste dumps are available at the end of proposal period. Waste dump will be used for backfilling.

(C) Conceptual Period Position

a) Following dumps will be available at the end of Conceptual Period:

No dumps (soil & Waste Rock) will be available at the conceptual period. Entire soil and waste rock will be used for backfilling.

4.5 Conceptual Reclamation & Rehabilitation:

The mining lease is about 230Ha. Area will be disturbed by overall mining activity out of which 114.48 Ha mined out area will be reclaimed and rehabilitated by way of backfilling and plantation at the end of life of the mines and rest of the area i.e. 115.54 Ha. will be developed as water reservoir for recharging the water table of the area.

Table No. 2.18

Status	Mined Out Area (Ha)	Reclamation by Backfilling (Ha)	Rehabilitation (Ha)		Total	Rehabilitation of Dump by Comp. & Afforestation	Provision Required for Discharge (GD/SWOT)
			By Plantation on Backfilled (Ha)	By Water Reservoir			
at Present	0.72	4.315	0	0	0	—	—
at the end of Scheme Period	90.11	21.944	0.70	0	11.80	—	—
at the end of Conceptual Period	230.0	114.48	114.48	115.54	300	—	—

¹ Expansion in the lease for the second period of limestone is completed in the present lease, we are working in the second hand of limestone so that the backfilling operation and mined out are temporary due to the acquisition of the second hand of limestone.

The ultimate area (size) of the pit will be around 330 Ha. Whereas, ultimate depth of the pit will be about 60 m. and ultimate pit slope will be 65°. The main mineable block of the lease is block-1 covering 342.720 Ha area. The conceptual pit position will cover 230 Ha of this pit and the LxWxH of this pit at the conceptual stage will be 2400x1000x60 m

Pit position as per data, proposed pit position at the end of scheme period and ultimate pit size at the end of life of the mine will be as shown in Conceptual Plan in Plate No. – XX and its section along with proposed Conceptual Plan is given in Plate No. – XX.

B. UNDERGROUND MINING:

NOT APPLICABLE.

Sample Number : VTL/AA/09

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/A/2306170017/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Sijahata (Hinauti & Sijahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/03
 Coordinates : 81.021389 & 24.576411
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2023 To 09/06/2023
 Time of Monitoring : 14:40 to 14:40 Hrs.
 Ambient Temperature (°C) : Min 28° Max 42°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	67.95	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	29.44	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	19.44	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	10.77	µg/m ³	80

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory



Page No. 1/1

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

9 SC-40, 3rd Floor, Narayan Vihar 5, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number : VTL/AA/09

M/s PRISM JOHNSON LIMITED

Village- Markahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/A/2306170017/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Sijahata (Hinauti & Sijahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/03
 Coordinates : 81.021389 & 24.576411
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2023 To 09/06/2023
 Time of Monitoring : 14:40 to 14:40 Hrs.
 Ambient Temperature (°C) : Min.28° Max 42°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.58	mg/m ³	4

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report




Checked by



RK Yadav 
Lab Incharge
Authorized Signatory

Sample Number : VTL/AA/03

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Hinauti (Hinauti & Sijahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/03
 Coordinates : 81.002441 & 24.587458
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 06/06/2023 To 07/06/2023
 Time of Monitoring : 13:00 to 13:00 Hrs.
 Ambient Temperature (°C) : Min.28° Max 41°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

Report No. : VTLA/2308170018/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	67.06	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	26.81	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA.2018	14.43	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA. 2018	9.59	µg/m ³	80

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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Sample Number : VTL/AA/03

M/s PRISM JOHNSON LIMITED

Village- Markahari, Tehsil- Rampur Baghelan, Dist -
Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/A/2306170018/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Village - Hinauti (Hinauti & Sijahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/03
 Coordinates : 81.002441 & 24.587458
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 06/06/2023 To 07/06/2023
 Time of Monitoring : 13:00 to 13:00 Hrs.
 Ambient Temperature (°C) : Min.28° Max 41°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.55	mg/m ³	4

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report

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Sample Number : VTL/AA/08

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/A/2306170019/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Western Block Garden (Hinauti & Sijahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/02
 Coordinates : 80.990481 & 24.585602
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2023 To 09/06/2023
 Time of Monitoring : 13:00 to 13:00 Hrs.
 Ambient Temperature (°C) : Min.28° Max 41°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA. 2017	59.14	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	29.05	µg/m ³	60
3	Nitrogen Dioxide (as NO ₂)	IS:5182 (P- 6)-2006, RA.2018	16.37	µg/m ³	80
4	Sulphur Dioxide (as SO ₂)	IS:5182 (P- 2)-2001, RA. 2018	9.11	µg/m ³	80

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

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Sample Number : VTL/AA/08

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTLA/2306170019/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Western Block Garden (Hinauti & Sjahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTLRDS/FPS/02
 Coordinates : 80.990481 & 24.585602
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2023 To 09/06/2023
 Time of Monitoring : 13:00 to 13:00 Hrs.
 Ambient Temperature (°C) : Min.28° Max 41°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.55	mg/m ³	4

*BLO-Below Limit Of Quantification, **LOQ-Limit Of Quantification

End of Report



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Sample Number : VTL/AA/07

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/A/2306170020/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Mines Site Office (Hinauti & Sijahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/01
 Coordinates : 80.99725 & 24.575807
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2023 To 09/06/2023
 Time of Monitoring : 12:10 to 12:10 Hrs.
 Ambient Temperature (°C) : Min 28° Max 42°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM10)	IS:5182 (P- 23)-2006, RA, 2017	55.18	µg/m ³	100
2	Particulate Matter (as PM2.5)	IS:5182 (P- 24)-2019	28.99	µg/m ³	60
3	Nitrogen Dioxide (as NO2)	IS:5182 (P- 6)-2006, RA,2018	16.49	µg/m ³	80
4	Sulphur Dioxide (as SO2)	IS:5182 (P- 2)-2001, RA, 2018	8.34	µg/m ³	80

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

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Sample Number : VTL/AA/07

M/s PRISM JOHNSON LIMITED

Village- Mankahani, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Report No. : VTL/A/2306170020/B

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sample Description : AMBIENT AIR QUALITY MONITORING

General Information:-

Sampling Location : Near Mines Site Office (Hinauti & Sijahata PCL Mine)
 Sample Collected By : VTL Team
 Sampling Equipment used : RDS/FPS
 Instrument Code : VTL/RDS/FPS/01
 Coordinates : 80.99725 & 24.575807
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2023 To 09/06/2023
 Time of Monitoring : 12:10 to 12:10 Hrs.
 Ambient Temperature (°C) : Min 28° Max 42°
 Surrounding Activity : Human, Vehicular & Other Activities
 Scope of Monitoring : Regulatory Requirement
 Method of Sampling : IS :5182
 Sampling Duration : 24 Hrs.
 Parameter Required : As per work order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	Lab SOP no. VTL/STP/02:2022, STP-08	0.59	mg/m ³	4

*BLQ-Below Limit Of Quantification, **LOQ-Limit Of Quantification

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Sample Number : VTL/W/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Sijhata - Village (Borewell)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.45	-	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21); 2009, RA 2019	255.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.11	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1996, RA 2019	218.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	138.79	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	27.95	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	545.20	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1988, RA 2022	89.32	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.49	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	16.18	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.26	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.38	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTLW/01

Report No. : VTLW/2308170001/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition,3030D,3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

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TEST REPORT

VIBRANT

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Sample Number : VTL/W/01

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Sijhata - Village (Borewell)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170001/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

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**VIBRANT**

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TEST REPORT

TC-11227

Sample Number : VTL/GW/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Mine Site Office Hinauti Sijatali

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

Report No. : VTL/W/2306170004/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.43	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	185.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P-40): 1991 RA 2019	48.10	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	180.50	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	131.13	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	15.79	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	556.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	58.25	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.27	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	15.20	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.25	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.24	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTL/GW/04

Report No. : VTLW/2306170004/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

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TEST REPORT

VIBRANT

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Sample Number : VTL/GW/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)

Sample Description : Water Sample
Sampling Location : Mine Site Office Hinauti Sijatal
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2306170004/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/06/2023
Period of Analysis : 17/06/2023-23/06/2023
Receipt Date : 17/06/2023
Sampling Date : 12/06/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-6): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

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Sample Number : VTL/GW/12
 Name & Address of the Party : M/s PRISM JOHNSON LIMITED
 Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)
 Sample Description : Water Sample
 Sampling Location : Limestone Mine Site office D. Water
 Sample Collected By : VTL Team
 Preservation : Suitable Preservation
 Method of sampling : IS :3025

Report No. : VTLW/2308170012/A
 Format No : 7.8 F-01
 Party Reference No : NIL
 Report Date : 23/06/2023
 Period of Analysis : 17/06/2023-23/06/2023
 Receipt Date : 17/06/2023
 Sampling Date : 12/06/2023
 Sampling Type : Grab
 Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.35	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	180.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	56.11	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	171.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	52.64	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	9.72	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	583.20	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	66.02	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD .2017	0.30	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	12.17	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.26	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.19	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition-3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTL/GW/12

Report No. : VTL/W/2306170012/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-25):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report



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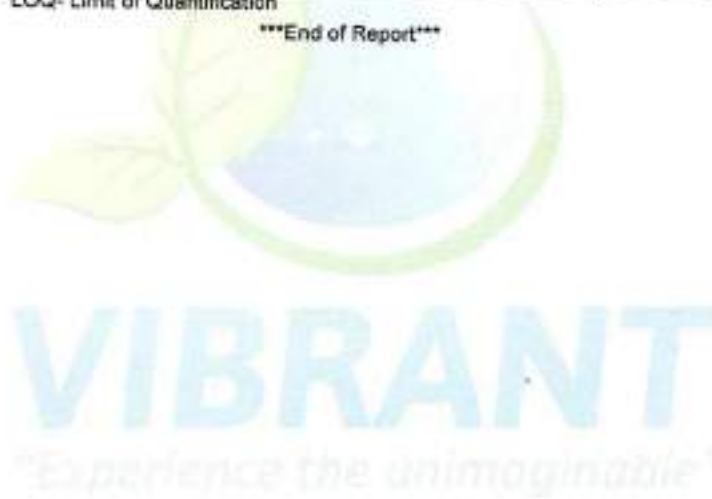
Sample Number : VTL/GW/12
 Name & Address of the Party : M/s PRISM JOHNSON LIMITED
 Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)
 Sample Description : Water Sample
 Sampling Location : Limestone Mine Site office D. Water
 Sample Collected By : VTL Team
 Preservation : Suitable Preservation
 Method of sampling : IS :3025

Report No. : VTLW/2306170012/B
 Format No : 7.8 F-01
 Party Reference No : NIL
 Report Date : 23/06/2023
 Period of Analysis : 17/06/2023-23/06/2023
 Receipt Date : 17/06/2023
 Sampling Date : 12/06/2023
 Sampling Type : Grab
 Sample Quantity : 2 Ltr.

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable

*BLO-Below Limit Of Quantification, **LOQ- Limit of Quantification

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Sample Number : VTL/GW/15
Name & Address of the Party : M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)

Report No. : VTL/W/2306170015/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 23/06/2023
Period of Analysis : 17/06/2023-23/06/2023
Receipt Date : 17/06/2023
Sampling Date : 12/06/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.

Sample Description : Water Sample
Sampling Location : Hirauli Village - Hand Pump
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.49	-	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	235.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	58.12	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1988, RA 2019	190.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	55.51	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	21.67	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	596.60	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	67.31	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.43	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	19.28	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.29	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.25	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTL/GW/15

Report No. : VTLW/2306170015/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
17		2017				
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Sulphide	IS 3025 (P-29) : 1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

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TEST REPORT

VIBRANT

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Sample Number : VTL/GW/15

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)

Report No. : VTL/W/2306170015/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 23/06/2023

Period of Analysis : 17/06/2023-23/06/2023

Receipt Date : 17/06/2023

Sampling Date : 12/06/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Sample Description : Water Sample

Sampling Location : Hinauti Village - Hand Pump

Sample Collected By : VTL Team

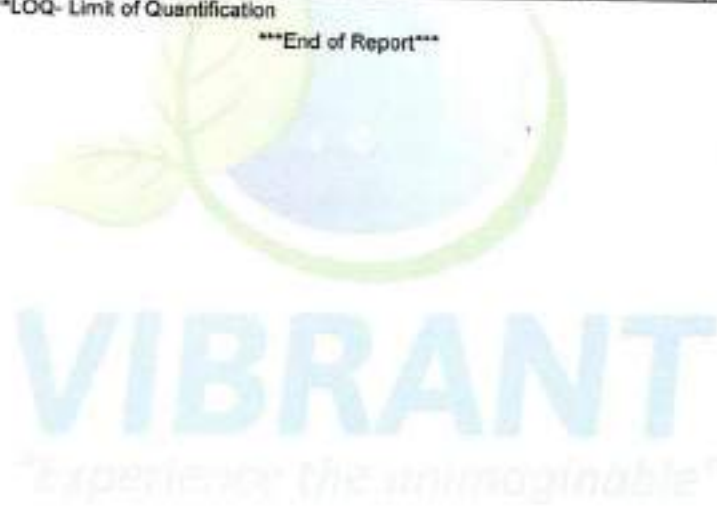
Preservation : Suitable Preservation

Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	-	Agreeable	Agreeable
3	Taste	IS :3025 (P-6): 1984 RA 2017	Agreeable	-	Agreeable	Agreeable

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report





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Sample Number : VTL/W/01
Name & Address of the Party : M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

ULR No. : TC112272300000048F
Report No. : VTLW/2309140009/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 20/09/2023
Period of Analysis : 14/09/2023-20/09/2023
Receipt Date : 14/09/2023
Sampling Date : 12/09/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample
Sampling Location : Sijhata - Village (Borewell)
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.42	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	245.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	59.21	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	220.21	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	139.62	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	23.64	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	550.67	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	90.21	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD 2017	0.41	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	15.98	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.28	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.32	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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ULR No. : TC112272300000048F

Sample Number : VTLW/01

Report No. : VTLW/2309140009/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
28	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report

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Sample Number : VTLW/01
Name & Address of the Party : M/s PRISM JOHNSON LIMITED
 Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)
Sample Description : Water Sample
Sampling Location : Sijhata - Village (Borewell)
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

Report No. : VTLW/2309140009/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 20/09/2023
Period of Analysis : 14/09/2023-20/09/2023
Receipt Date : 14/09/2023
Sampling Date : 12/09/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BLQ(**LOQ-0.05)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

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Sample Number : VTLW/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist -
Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Mine Site Office Hinauti Sijahata

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC1122723000000058F

Report No. : VTLW/2309140012/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.44	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	180.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	49.51	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1988, RA 2019	185.69	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	135.62	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	13.72	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	560.21	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1988, RA 2022	92.65	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD :2017	0.39	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	16.24	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.27	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.36	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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Sample Number : VTLW/04

ULR No. : TC112272300000058F

Report No. : VTLW/2309140012/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Sulphide	IS 3025 (P-29) : 1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition, 3030D, 3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

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Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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Sample Number : VTL/W/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/W/2309140012/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample
Sampling Location : Mine Site Office Hinauti Sijahata
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025-(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BLQ(**LOQ-0.05)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report



Checked by 



RK Yadav
Lab Incharge
Authorized Signatory 

Sample Number : VTLW/12

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist - Satna (M.P.)

Sample Description : Water Sample

Sampling Location : PCL Mines Site Office (Drinking Water)

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272300000066F

Report No. : VTLW/2309140020/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.31	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	205.00	mg/l	200	600
4	Calcium (as Ca)	IS: 3025 (P- 40): 1991 RA 2019	57.11	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	191.00	mg/l	200	600
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	62.62	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	15.19	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	562.04	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	72.03	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition 4500FD :2017	0.32	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	13.01	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.22	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.29	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



Checked by 



RK Yadav
Lab Incharge
Authorized Signatory 



Sample Number : VTLW/12

ULR No. : TC1122723000000066F

Report No. : VTLW/2309140020/A

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Sulphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition,3030D,3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report

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TEST REPORT

VIBRANT

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Sample Number : VTLW/12

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTLW/2309140020/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

Sample Description : Water Sample
Sampling Location : PCL Mines Site Office (Drinking Water)
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025 (P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BLQ(**LOQ-0.05)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report



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Lab Incharge
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Sample Number : VTLW/15

Name & Address of the Party : M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Water Sample

Sampling Location : Hinault Village - Hand Pump

Sample Collected By : VTL Team

Preservation : Suitable Preservation

Method of sampling : IS :3025

ULR No. : TC112272300000069F

Report No. : VTLW/2309140023/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Sampling Type : Grab

Sample Quantity : 2 Ltr.

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	pH (at 25°C)	IS : 3025 (P-11) : 2022	7.91	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS : 3025: (P-10)1984, RA 2017	*BLQ(**LOQ-1.0)	NTU	1	5
3	Total Hardness (as CaCO ₃)	IS: 3025 (P-21): 2009, RA 2019	255.00	mg/l	200	500
4	Calcium (as Ca)	IS: 3025 (P-40): 1991 RA 2019	61.01	mg/l	75	200
5	Total Alkalinity (as CaCO ₃)	IS: 3025 (P-23): 1986, RA 2019	210.00	mg/l	200	500
6	Chloride (as Cl)	IS: 3025 (P-32): 1988, RA 2019	57.30	mg/l	250	1000
7	Magnesium (as Mg)	IS: 3025 (P-46): 1994, RA 2019	24.98	mg/l	30	100
8	Total Dissolved Solids	IS :3025 (P-16): 1984, RA 2017	578.00	mg/l	500	2000
9	Sulphate (as SO ₄)	IS: 3025 (P-24): 1986, RA 2022	71.30	mg/l	200	400
10	Fluoride (as F)	APHA 23rd Edition ,4500FD .2017	0.40	mg/l	1.0	1.5
11	Nitrate (as NO ₃)	IS: 3025 (P-34): 1988	20.01	mg/l	45.0	No Relaxation
12	Iron (as Fe)	APHA 23rd Edition , 3111B,2017	0.21	mg/l	1.0	No Relaxation
13	Aluminium (as Al)	IS 3025 (P-55): 2003, RA 2019	*BLQ(**LOQ-0.03)	mg/l	0.03	0.2
14	Boron (as B)	APHA 23rd Edition, 4500B,2017	*BLQ(**LOQ-0.2)	mg/l	0.5	1.0
15	Total Chromium (as Cr)	APHA 23rd Edition 2017 3113 B, 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	No Relaxation
16	Zinc (as Zn)	APHA 23rd Edition,3030D, 3113 B , 2017	0.25	mg/l	5.0	15.0
17	Copper (as Cu)	APHA 23rd Edition 3111B 2017	*BLQ(**LOQ-0.02)	mg/l	0.05	1.5



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ULR No. : TC1122723000000099F
Report No. : VTLW/2309140023/A

Sample Number : VTLW/15

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
18	Manganese (as Mn)	APHA 23rd Edition, 3030D, 3111 B, 2017	*BLQ(**LOQ-0.05)	mg/l	0.1	0.3
19	Cadmium (as Cd)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.002)	mg/l	0.003	No Relaxation
20	Lead (as Pb)	APHA 23rd Edition, 3030D, 3113 B, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	No Relaxation
21	Arsenic (as As)	APHA 23rd Edition, 3114C, 2017	*BLQ(**LOQ-0.005)	mg/l	0.01	0.05
22	Mercury (as Hg)	APHA 23rd edition, 3114C 2017	*BLQ(**LOQ-0.001)	mg/l	0.001	No Relaxation
23	Total Coliform	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
24	E.Coli	IS : 15185 : 2016	Absent	per 100 ml	Shall not be detectable in any 100 ml sample	--
25	Suphide	IS 3025 (P-29) :1986 RA 2019 Idometric	*BLQ(**LOQ-0.1)	mg/l	0.05	No Relaxation
26	Nickel as Ni	APHA 23rd Edition,3030D,3113B 2017	*BLQ(**LOQ-0.01)	mg/l	0.02	No relaxation
27	Free Residual Chlorine	IS 3025 (P-26):2021	*BLQ(**LOQ-0.2)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report

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Sample Number : VTLW/15
Name & Address of the Party : M/s PRISM JOHNSON LIMITED
 Village- Mankarani, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)
Report No. : VTLW/2309140023/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 20/09/2023
Period of Analysis : 14/09/2023-20/09/2023
Receipt Date : 14/09/2023
Sampling Date : 12/09/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 81.998838 & 24.564754
Sample Description : Water Sample
Sampling Location : Hinauti Village - Hand Pump
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

S.No.	Test Parameters	Test Method	Results	Units	IS:10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS : 3025:(P-4)1983, :RA 2017	*BLQ(**LOQ-5.0)	Hazen	5	15
2	Odour	IS : 3025 (P-5) : RA 2018	Agreeable	--	Agreeable	Agreeable
3	Taste	IS :3025 (P-8): 1984 RA 2017	Agreeable	--	Agreeable	Agreeable
4	Anionic Detergents (as MBAS)	APHA 23rd Edition , 5540C 2017	*BLQ(**LOQ-0.05)	mg/l	0.2	1.0

*BLQ-Below Limit Of Quantification, **LOQ- Limit of Quantification

End of Report




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Sample Number : VTL/AN/01
 Name & Address of the Party : M/s PRISM JOHNSON LIMITED
 Village- Mankahari, Tehsil- Rampur Baghelan, Dist- Saina (M.P.)

Report No. : VTL/N/2306170001/A
 Format No : 7.8 F-02
 Party Reference No : NIL
 Report Date : 23/06/2023
 Receipt Date : 17/06/2023
 Sampling Duration : 24 Hrs.
 Sample Collected : VTL Team
 Instrument : Calibrated
 Calibration Status :

Sample Description : Ambient Noise Level Monitoring
 Scope of Monitoring : Regulatory Requirement
 Protocol Used : IS 9989
 Instrument Used : SLM

General Information:-

Sampling Location : Near Mine Site Office ((Hinauti & Sjahata PCL Mine)
 Instrument Code : VTL/SLM/01
 Meteorological condition during monitoring : Clear Sky
 Date of Monitoring : 08/06/2023 To 09/06/2023
 Time of Monitoring : 05:00 to 06:00 Hrs.
 Ambient Temperature (°C) : Min.29° Max 43°
 Surrounding Activity : Human, Vehicular & Other Activities
 Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA-2020	58.1	46.2

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
 2. Night Time is reckoned between 10.00 PM to 6.00 AM.
 3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
 Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report

Checked by



RK Yadav
 Lab Incharge
 Authorized Signatory



Sample Number : VTL/AN/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2306170002/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

General Information:-

Sampling Location : Near Western Block Garden (Hinauti & Sijshata PCL Mine)
Instrument Code : VTL/SLM02
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA.2020	54.7	41.9

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 300 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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Authorized Signatory



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TEST REPORT

TC-11227

Sample Number : VTL/AN/03
Name & Address of the Party : M/s PRISM JOHNSON LIMITED
 Village- Mankahari, Tehsil- Rampur Baghelan, Dist - Satna (M.P.)

Report No. : VTL/N/2306170003/A
Format No : 7.8 F-02
Party Reference No : NIL
Report Date : 23/06/2023
Receipt Date : 17/06/2023
Sampling Duration : 24 Hrs.
Sample Collected : VTL Team
Instrument : Calibrated
Calibration Status :

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

General Information:-

Sampling Location : Village - Hinauti (Hinauti & Sjahata PCL Mine)
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 06/06/2023 To 07/06/2023
Time of Monitoring : 06:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.25° Max 41°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	51.1	40.5

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM.

3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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RK Yadav
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TEST REPORT



Sample Number : VTL/AN/04

Name & Address of the Party : M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Report No. : VTL/N/2306170004/A

Format No : 7.8 F-02

Party Reference No : NIL

Report Date : 23/06/2023

Receipt Date : 17/06/2023

Sampling Duration : 24 Hrs.

Sample Collected : VTL Team

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise Level Monitoring
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989
Instrument Used : SLM

General Information:-

Sampling Location : Village - Sijahata (Hinauti & Sijahata PCL Mine)
Instrument Code : VTL/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 08/06/2023 To 09/06/2023
Time of Monitoring : 05:00 to 06:00 Hrs.
Ambient Temperature (°C) : Min.29° Max 43°
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As per work order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS 9989 - 1981 RA:2020	50.9	39.7

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits in dB(A) Leq*	
		Day Time	Night Time
A	Industrial area	75	70
B	Commercial area	65	55
C	Residential area	55	45
D	Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM.
3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



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RK Yadav
Lab Incharge
Authorized Signatory



Total PPE's for Mines From Jan'2023 – Nov'2023

S.No	Material	Qty.	Per Qty in Rs.	Total Amount
1	Dust Mask	180	15.23	2741.4
2	Google Safety Glass PVC.	60	50.83	3049.8
3	Hand Gloves	160	34.2	5472
4	Helmet Industrial Safety	65	115	7475
5	Jacket fluorescent High Visibility Wear	190	127	24130
6	Plug Ear muff	280	8	2240
7	Safety Shoes	330	1018	335940
TOTAL		1265		381048.2

MIN/0701/990628 03.02.2000

The Joint Director(S)
Ministry Of Environment & Forests
(MOEF), Regional Office, Western Region
F-3/240 Area Colony,
Bhopal-462016(M.P.)

Dear Sir,

Sub Compliance Report - Sijhata-Hinout-Limestone Mine of M/s. Prism Cement Ltd.

Ref Letter - No. 11015/37/96/1A II(M) dated 20/12/99 of MOEF, New Delhi
Your office letter no. 3-1/97(Env)/1359 dated 5/7/99.

We kindly acknowledge the above mentioned letters. We regret very much for not sending the compliance reports in time. We assure you, sir, we will be sending the same in time in future.

We hereby mention our clarifications pointwise as raised by you:

The gabion drains have been done all around the dumping sites, which restrict erosion the settling of silt around the faces.

a) Monitoring of Quality of Effluent

In mines there is no generation of any effluent water. However the Sewage Water generated from the residential colony (combined for plant & mines) is being treated in colony premises and is being monitored regularly as per guidelines of MPPCB. The rainwater accumulated in the lower benches of the working areas, is being pumped out and carried through pipeline to the reservoirs (settling tanks). The reservoir is in two blocks having cumulative water holding capacities of about 1.5 lakhs cub. mtrs. We find water in the reservoir till end of January or max 2nd week of February.

This water is being used sometimes for plantation and dust suppression on the hauling roads.

(b) Monitoring of RPM:

The monitoring of RPM is presently is not being monitored, as there is no norms mentioned in the MPPCB consent letter. At present we are regularly monitoring SPM, SO₂, NO_x at Mines. RPM is not being monitored as on date. If you feel it is required we will arrange to carry out the same. We request for your guidelines for RPM monitoring.

...2/

c) Submission of Analysis Report in respect of Noise pollution:

We have submitted a copy of the comprehensive, EIA and EMP (Post commissioning) for the area, vide our letter no. MIN0703/090369 dated 15/9/99, in person, which is duly acknowledged by your Regional Office, Bhopal on 16/9/99.

However, we are furnishing copies of the same for your ready reference and records.

d) Submission of analysis report on the monitoring data.

We are furnishing here with the monthly Ambient Air Quality Monitoring reports till date.

e) Construction of settling tanks and toe-drains leading to it for arresting siltation of surface water.

We do not have an open drainage system. The pumped out water is being carried through pipelines and released in the reservoir. The reservoirs consist of two blocks of a cumulative water holding capacity of 15 lakhs cub. Mtrs. The water is not discharged from reservoir. Hence all the silt will be deposited within the reservoir.

f) Submission of annual action plan for socio economic development:

We are herewith furnishing a note on the various social (welfare) economic measures carried out by Prism cement. We have enclosed herewith the Socio Economic Action Plan for your kind perusal.

g) Establishment of Environment Management Cell:

We have already established Environmental Management Cell, members of which are as below:

Mr. M.P. Rai	-	Vice President (Works)
Mr. D.K. Das	-	Sr. Jt. General Manager (Stores)
Mr. A.K. Shrivastava	-	Asst. Gen. Manager
Mr. V.V. Kulkarni	-	Manager (Geology)
Mr. D.K. Singh	-	Asst. Manager (Pollution Control)
Mr. S.P. Singh	-	Horticulturist

- b) **Regular submission of reports for every 6 months about environmental compliance to Regional office:**

We regret for not sending regularly the reports as mentioned above. The same will be complied in future.

Hope all these points are in order and we assure you that to the best of our efforts, we shall continue to comply with various provisions of the Act.

Thanking you,

Yours faithfully,

For **PRISM CEMENT LIMITED**


U.K. DAS

Sr. Jt. General Manager (Mines)

Encl: as above.

CC Additional Director, MOEF For necessary information and records.
CGO Complex, Lodhi Road
New Delhi - 110 003

PS: We have complied all the points referred in your letter dated 20.12.99 and sent all the relevant details to Regional office, Bhopal

03.02.2000

**SOCIO- ECONOMIC DEVELOPMENT ACTION PLAN
(WORKSHEET)**

S.No	Particular	Details	Amount
1	Village road repair – leading Eastern Block		Rs. 2000
2	Soil filling and levelling at Sijhata school (29.1.99)	150 soil trips x 3 = 450 cu. Mtr x Rs 45	Rs. 20250
3	Soil filling at Hinouti Mandir (24.3.99)	50 trips = 50 x 3 = 150 cu.mtr. x Rs 45	Rs. 6750
4	Soil filling at Sijhata village – Road side (3/3/999)	50 trips = 50 x 3 = 150 cu.mtr x Rs 45	Rs. 6750
5	Soil filling at Ramvan for Basanth Pancham (Jan- 2000)	50 trips = 50x3 = 150 cu. Mtr x Rs. 45	Rs. 6750
6	Hinouti village road bridge, near village for water management (culvert built)		Rs. 25000
7	Village road leading to Pithepur (Magazine) (99-2000)		Rs. 150000
8	Soil supplied to Rampur - (Police Station)		
9	Jailor – Rampur		
10	Hinouti Road – From Baghicha to Hinouti village	Rs. 80000 labour wages + Rs. 100000 material cost.	Rs. 180000
11	Drains in village for proper water management in the Patei Tola of Hinouti village habitation		Rs. 50000
12	Other roads leading to Hinouti village	250 labour x Rs 70 = 17500 + 2000 trips material x 3 = 6000 cu mtr = Rs. 270000	Rs. 287500
13	1300- 1400 trips of soil will be given to the villagers during 2000-2001	1350 x 3 = 4050 cu.mtr. x Rs. 45	Rs. 200000
	Medical facilities		
	250 patients x Rs. 7 x Rs. 12		Rs. 21000
	Mobile clinic treatment in villages @ Rs. 60/- per patient (inclusive of van charges)	15000 x 12	Rs. 180000

SOCIO-ECONOMIC DEVELOPMENT ACTION PLAN

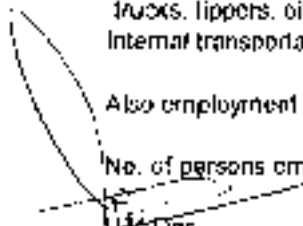
Sl.No	Particulars	Incurring
		2000-2001
1	General Development of Villages - for 4 villages namely Hinouti, Sijhata Mankahari & Bamhori @ Rs. 50000/- each per annum to vill. Panchayats	200000
2	Welfare to needy villagers - exgratia	300000
3	Repairs incurred on village roads within 5 km range villages viz. Hinouti, Sijhata mankahari, Bamhori Rampur etc.	320000
4	Soil filling & levelling the school and panchayat buildings areas & playground. Sijhata School area and approach road in Hinouti village, Mankahari village, Ramvan, etc.	241889
5	Medical facilities: (i) Patients being treated at medical centre on an average about 250/ month or 1500/ annum.	685000
	(ii) Patients being treated at villages through mobile clinic on an average about 21 per day	21000
6	Contribution to sports activities	15000
		1773989
	Total Rs.in Lakhs	17.73

Prism concern is giving preference to the local villagers and find sellers suitable employment based on their qualification and capabilities.

In addition to the employment, indirect employment is also generated/ provided, like deploying trucks, tippers, oil tankers, compressors etc. purchased by local villagers have been hired for internal transportation of materials

Also employment is provided for the development of horticulture and green belt.

No. of persons employed (workers category) during 1984-99 - 552. (including plant)


J.K. Das
Gen. Manager (Mines)

Sample Number : VTLWW/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED
Village- Mankahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Sample Description : Waste Water
Sampling Location : STP Inlet
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS :3025

ULR No. : TC1122723000000186F
Report No. : VTLWW/2309140002/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 20/09/2023
Period of Analysis : 14/09/2023-20/09/2023
Receipt Date : 14/09/2023
Sampling Date : 12/09/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit
1	pH	IS: 3025 (P-11): 2022	6.75	-
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	148.0	mg/l
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1498.0	mg/l
4	Oil & Grease	IS:3025 (P-38): 2021	6.4	mg/l
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	58.14	mg/l
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	275.00	mg/l

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report




Checked by



RK Yadav
Lab Incharge
Authorized Signatory 





TEST REPORT

Sample Number : VTLWW/02

Name & Address of the Party : M/s PRISM JOHNSON LIMITED
Village- Mankahani, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)

Sample Description : Waste Water
Sampling Location : STP Inlet
Sample Collected By : VTL Team
Preservation : Suitable Preservation
Method of sampling : IS .3025

Report No. : VTLWW/2309140002/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 20/09/2023
Period of Analysis : 14/09/2023-20/09/2023
Receipt Date : 14/09/2023
Sampling Date : 12/09/2023
Sampling Type : Grab
Sample Quantity : 2 Ltr.
Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit
1	Fecal Coliform	IS 1622, 2009	220.0	MPN/100 ml

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report




Checked by



RK Yadav
Lab Incharge
Authorized Signatory 

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

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www.vibranttechnolab.com

Sample Number : VTLWW/03

M/s PRISM JOHNSON LIMITED
Village- Markahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Sample Description : Waste Water
Sampling Location : STP Outlet
Sample Collected By : VTL Team
Coordinates : 81.998838 & 24.564754

ULR No. : TC112272300000167F
Report No. : VTL/WW/2309140003/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 20/09/2023
Period of Analysis : 14/09/2023-20/09/2023
Receipt Date : 14/09/2023
Sampling Date : 12/09/2023
Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.52	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	36.14	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	947.0	mg/l	2100
4	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1993, RA: 2019	14.25	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	75.51	mg/l	250

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by 



RK Yadav
Lab Incharge
Authorized Signatory 





TEST REPORT

Sample Number : VTLWW03

M/s PRISM JOHNSON LIMITED

Village- Markahari, Tehsil- Rampur Baghelan, Dist. - Satna (M.P.)

Name & Address of the Party :

Sample Description : Waste Water

Sampling Location : STP Outlet

Sample Collected By : VTL Team

Coordinates : 81.998838 & 24.564754

Report No. : VTLWW/2309140003/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	IS 1622, 2009	110.0	MPN/100 ml	<1000

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

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Sample Number : VTL/WW/04

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist -
Satna (M.P.)

Name & Address of the Party :

Sample Description : Waste Water

Sampling Location : Mine Work Shop

Sample Collected By : VTL Team

Coordinates : 81.998838 & 24.564754

ULR No. : TC112272300000168F

Report No. : VTL/WW/2309140004/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Receipt Date : 14/09/2023

Sampling Date : 12/09/2023

Parameter Required : As per work order

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	pH	IS: 3025 (P-11): 2022	7.57	-	5.5 to 9.0
2	Total Suspended Solids (TSS)	IS: 3025 (P-17): 2022	32.0	mg/l	100
3	Total Dissolved Solids (TDS)	IS:3025 (P-16): 1984, RA 2017	1148.0	mg/l	2100
4	Oil & Grease	IS:3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5	Biochemical Oxygen Demand (BOD) (3 days @ 27°C)	IS: 3025 (P-44): 1983, RA: 2019	17.0	mg/l	30
6	Chemical oxygen Demand (COD)	IS : 3025 (P-58) : 2006 RA: 2017	52.0	mg/l	250

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



Checked by 



RK Yadav
Lab Incharge
Authorized Signatory 





VIBRANT

"Experience the unimaginable"

TEST REPORT

Sample Number : VTLWW/04

M/s PRISM JOHNSON LIMITED

Village- Mankahari, Tehsil- Rampur Baghelan, Dist. -
Satna (M.P.)

Report No. : VTLWW/2309140004/B

Format No : 7.8 F-01

Party Reference No : NIL

Name & Address of the Party :

Report Date : 20/09/2023

Period of Analysis : 14/09/2023-20/09/2023

Sample Description : Waste Water

Receipt Date : 14/09/2023

Sampling Location : Mine Work Shop

Sampling Date : 12/09/2023

Sample Collected By : VTL Team

Parameter Required : As per work order

Coordinates : 81.998838 & 24.564754

S.No.	Test Parameters	Test Method	Result	Unit	Limits
1	Fecal Coliform	IS 1622, 2009	25.0	MPN/100 ml	<1000

*BLQ-Below Limit OF Quantification, **LOQ- Limit Of Detection

End of Report



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