



Through Regd. AD

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MIN / 2018/BDR/038

01st June, 2019

To.

Director

Ministry of Environment & Forests

Regional Office, Western Region

Kendriya Paryavaran Bhavan

Link Road No. 3

E - 5, Ravishankar Nagar

Bhopal - 462 016

Sub: Compliance report of limestone deposit over 40.236 hect. Area in Village-Bandarakha, Tehsil Rampur Baghelan, Dist. Satna (M.P.)

Ref: Your letter no. vide no. 3080/SEIAA/13, dated 20.08.2013,

Dear Sir.

We are sending enclosed herewith the six monthly compliance report of the environmental clearance granted for limestone deposit at Village- Bandarakha, Tehsil- Rampur Baghelan, Dist. Satna (M.P.) vide the letter no.3080/SEIAA/13, dated 20.08.2013, along with necessary enclosures.

We hope you will find the same in order.

Thanking you.

Yours faithfully,

For, Prism Johnson Ltd.

Mines Manager

Bandarakha Limestone Mines

PRISM JOHNSONLIMITED

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

Encl: As above



COMPLIANCE OF CONDITIONS AS STIPULATED BY MoEF LETTER VIDE NO. 3080/SEIAA/13, DATED 20.08.2013, LIMESTONE DEPOSIT OVER 40.236 HECT. AREA IN VILLAGE BANDARAKHA, TEHSIL RAMPUR BAGHELAN, DIST. SATNA (M.P.)

A. S	A. Specific Conditions :-				
1	If the land belongs to the tribal person the Collector shall ensure that the tribal person gets compensation as per rule 72 of the Mineral Concession Rule 1960 and his interests are safeguarded as per State policy.		Not Applicable		
2	Controlled blasting will be done as per guidelines of IBM; delay detonating technique will be adopted and down hole initiation system will be adopted.		Controlled blasting is being practiced using delay detonators and down the hole initiation system		
3	All pollution control devices will be installed as per guidelines of CPCB/MPPCB.		Air, Noise, water quality is being monitored. Ambient Air quality and Noise quality data attached as Annexure- 2 & 3		
4	Appropriate measures to control the silt shall be taken and reported to avoid the possible disturbance of aquatic eco system of river Tamas.		Garland drain and siltation pond have been constructed to arrest the silt and sediment flow.		
5	Dense plantation all along the transportation road has to be taken up immediately		Extensive plantation is being done		
6	Mine wise production record shall be maintained at site.		Mine production is being maintained. Mining is being carried out as per approved Mining Plan.		
7	The water reservoir as proposed in 21.12 ha shall be fenced and aesthetically developed.		Will be developed as per approved mining plan and scheme of mining by IBM.		
8	Afforestation on 17 Ha area with minimum 17020 numbers of trees as proposed shall be taken up with mining.		Plantation will done in phase manner annually.		

B. G	B. GENERAL CONDITIONS:-				
1	Any addition of mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization and scope of working shall again require prior environment clearance as per EIA notification, 2006.		Will be complied, if any change is proposed.		
2	All activities / mitigate measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.		Being complied		
3	All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.		Being complied		
4	All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.		Monitoring is being done at designated locations and analysis report is being submitted to MPPCB on monthly basis.		
5	Blast vibration study shall be conducted and submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within six months. The study shall also provide measures for prevention of blasting associated impact on nearby houses and agricultural fields.		The recommended blast designs by Central Institute Of Mining And Fuel Research are being followed for day-to-day blasting operations for safe and efficient blasting operations.		
6	Controlled blasting techniques with sequential drilling shall be adopted. The blasting shall be carried out in the day time only.		Controlled blasting techniques using Nonel is being practiced. Electronic initiation systems are practiced in areas near to the structures for more precise and accurate delay design.		
7	Slope of mining bench and ultimate pit limit shall be as per the mining scheme approved by Indian Bureau of Mines.		Mining benches and ultimate pit limit shall be maintained as per mining scheme approved by Indian Bureau of Mines for ensuing period.		
8	A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within 5 years in advance of final mine closure for approval.		Will be prepared and submitted as per stipulation		
9	No change in calendar plan including excavation, quantum of mineral and waste shall be made.		Is being complied		
10	Mining will be carried out as per the approved mining plan. In case of any		Mining is being carried out as per the		

	violation of mining plan, the Environmental clearance given by SEIAA will be stand cancelled.	approved mining plan by IBM
11	Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.	Is being complied
12	The transportation of the minerals extracted from the mining area shall be limited to day hour time only.	Is being complied. After obtaining permission of 3 shift working from DGMS, transportation may be carried out in night time also
13	Maintenance of nearby local roads through which transportation of minerals are undertaken shall be carried out by company regularly at its own expenses. The roads shall be blacked topped.	All transportation is through internal roads which are motorable, rehabilitated with stone chips and stone dust on regular basis.
14	Measures of prevention and control of soil erosion and management of slit shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable mineral and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.	Soil and waste dumps are stacked as per approved scheme of mining and are protected from erosion by carrying out suitable plantation, construction of toe drains retaining wall.
15	Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest slit from being carried to water bodies. Adequate number of check dams and gully plugs shall be constructed across seasonal/perennial Nallahs, if any, flowing through the ML area and silts arrested. Desilting at regular intervals shall be carried out.	There is no seasonal/perennial Nallas following through ML area. Trenches/garland drains are being constructed at foot of dumps and these drains connect to Desilting pond
16	The project proponent will ensure necessary protection measures around the mine pit, waste dumps and garland drain.	Proper bunding around mine pit area and drains have been provided
17	Top soil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (where ever applicable) for reclamation and rehabilitation of mined out area. Top soil shall be separately stacked for utilization later for reclamation and shall not	Top soil generated during mining is stacked separately & used for reclamation of mined out area by spreading it over the waste rock after backfilling.

	be stacked along with over burden.	
18	Over burden(OB)shall be stacked at earmarked dumpsite(s) only and shall not be kept active for long period., The maximum height of dump shall not exceed 20m, each stage shall preferably be of maximum 10 m and overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled and shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.	The Overburden generated during mining has been stacked at earmarked dump site only and is being stacked in 1 or 2 stages, heigh of each stack not exceeding 10m and slope not exceeding 35°. The dumps shall be backfilled as approved mine plan by IBM
19	Minimum 1000 plants shall be planted in one year and 5000 plants shall be planted in first five years.	Plantation requirement is being complied
20	Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB on six monthly basis.	Requirement is being complied
21	By the end of the lease period 33% of the area should be brought under plantation.	Out of 32.15 Ha. of broken area, 11.03 Ha. will be reclaimed and rehabilitated by way of backfilling and plantation at the end of life of the mines.
22	Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with local DFO/Agricultural Deptt. Herbs / shrubs shall also form a part of afforestation programme besides tree plantation. The company shall involve local people for plantation programme. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB every year.	Requirement will be complied
23	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules,1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable	Emission from the vehicles engaged in the Prism Cement is kept under control. A centralized diesel workshop has been established. Regular maintenance of all vehicles is done as per manufacturer's maintenance schedule i.e. changing of timely diesel

	enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. The truck transporting minerals shall not pass through wild life sanctuary, if any in the study area.	filters, calibration of Fuel pump, overhauling of engines etc. No vehicles without valid PUC area allowed to deploy inside the plant and mines area. The vehicles engaged in transportation of minerals outside the core zone are provided with tarpaulin and no overloading is allowed.
24	For ambient air quality monitoring stations shall be established in core zone as well as in the buffer zone for RSPM,SPM,SO2,NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded and displayed on the company's website.	Ambient air quality monitoring for the given parameters will be done as per the directions given and data generated will be uploaded on company website
25	Data on ambient air quality (RPM, SPM, SO2, and NOx) should be regularly submitted to the Regional Office, MoEF, Gol, Bhopal and state Pollution Control Board / Central pollution control Board once in six months.	Being done. Ambient air quality monitoring results from Oct-18 to Mar-19 have been given in Annexure 02
26	Ambient air quality at the boundary of mine premises shall confirm to the norms prescribed in MoEF notification No. GSR/826(E) dtd. 16.11.09.	Being complied
27	Fugitive dust emissions from all sources shall be controlled. Water spraying arrangement on haul, roads, loading and unloading at transfer points shall be provided and properly maintained. The dust emission shall be monitored regularly as per norms and records to be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB regularly.	Water sprinkling is being done on haul roads for dust suppression. Wet drilling is being practiced. Dust emission norms are being complied and the report are being submitted
28	Measures shall be taken control of noise level below 75dBA in the work environment.	Ambient Noise level is monitored at designated locations and report is

	Workers engaged in operations of HEMM, etc. shall be provided with ear plugs/muffs and health records of workers shall be maintained.	being submitted to MPPCB on monthly basis. Noise monitoring reports from Oct 2018 to Mar 2019 have been given in Annexure –3 All the workers engaged in mining activity shall be provided the PPEs including ear plugs and muffs and health checkup is being done and records being maintained.
29	Rain water harvesting shall be undertaken to recharge the ground water source. Status of implementation shall be submitted to the Regional Office, MoEF, Gol, Bhopal and MP PCB within six months and thereafter every year from the next consequent year.	Rainwater harvesting practices have been implemented. 6 Nos of rooftop rainwater harvesting system and 6 nos of recharge pits have been constructed inside plant and township.
30	Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried four times a year i.e. pre-monsoon(April-May), Monsoon(August), post-monsoon(November) and winter(January) and the data thus collected shall be regularly sent to the Regional Office, MoEF, Gol, Bhopal and MP PCB, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Piezometers have been constructed to monitor ground level. water level and quality is analyzed in Pre - Monsoon, monsoon,Post Monsoon, and winter seasons. Report of monitoring is generated and submitted to MoEF-&CC Bhopal, MPPCB, CGWA & CGWB Annexure-4
31	The waste water from the mine if any shall be treated to confirm to the standards prescribed under GSR 422(E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The oil and grease trap shall be installed for the effluents generated from the workshop, if any, before discharging into the natural stream. The discharged water from tailing dam ,if any shall be regularly monitored and report submitted to the Regional Office, MoEF, Gol, Bhopal ,Central Pollution Control Board, the State Pollution Control Board.	Contaminated water generated due to washing of equipment is passed though grease and oil trap tank having separation chambers and pumping arrangement. For separation of oil and grease particles from water, prime mover has been provided. The oil and grease is skimmed and kept in sealed barrels for further disposal to authorized vendors.
32	Hydro-geological study of the area shall be reviewed by project proponent annually .In case adverse effect on ground water quality	Will be complied .Excavation of limestone is proposed up to only 16m and currently we are working at a

	and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on ground water is implemented.	depth of 8m to 9m only. Water table will not be intersected.
33	Occupational health checkup for workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipment etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required. It should be made available for inspection whenever asked. Necessary funds for this also should be earmarked.	Periodical Medical Examinations are conducted for each employee by outside specialists once in every 5 years. Under this scheme eachemployee undergoes Pathological tests, bloodgroup test, chest X-Rays, Audiometry tests, eye test etc. once every 5 years. Proper records of such tests are maintained. Personal protective equipment is provided to persons as per job requirement.
34	Project proponent shall ensure appropriate arrangement for shelter and drinking water for the mine workers.	Centralized shelter and Drinking water facility with Molded water containers have been provided to all mine workers.
35	Person working in dusty areas shall be provided with protective respiratory devices and they shall also be imported adequate training and information on safety and health aspects.	PPE's are provided to each employees Respiratory devices are being used by the persons working in dusty areas. Adequate training on safety and health awareness shall be given by experts at VT center.
36	Commitment towards CSR has to be followed strictly.	Being followed. Various programs for training for community welfare has been taken up by the company. Various social, educational, healthcare and environment initiatives have been taken by the company.
37	Special measures shall be adopted to prevent the nearby settlements from the	All measures shall be adopted while mining as per guidelines of MMR 1961

	impacts of mining activities.	and Mines Act 1952.
38	The project proponent shall inform to the to the Regional Office, MoEF, Gol, Bhopal and MP PCB regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Agreed
39	The necessary funds as per mandate shall kept for environmental protective measures which should be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional Office, MoEF, Gol, Bhopal and MP PCB.	Complying with the given condition, we have earmarked a fund for environmental protection equipment the fund will not diverted for any other purpose. The capital cost and recurring cost annum earmarked for environmental protection is common for PCL.
40	The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment impact Assessment Report, Environmental Management Plan, public Hearing and other relevant documents should be given to the Regional Office, MoEF, Gol, Bhopal and MP PCB.	complied
41	A copy of the environmental clearance shall be submitted by the project proponent to the Heads of the local Bodies, Panchayat and Municipal Bodies, as applicable, in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.	A copy of the environmental clearance already has been submitted to Panchayat and SDO Office, Rampur Baghelan.
42	The project proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and	Complied. News of accorded EC was published in two newspapers on 02.04.13.

	a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.	
43	The project proponent has to strictly follow directions/guideline issued by MoEF, Gol, CPCB and other Govt. agencies from time to time.	Agreed
44	Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the regional Office, , MoEF, Gol, Bhopal and MP PCB and to the competent authority of state govt. within six months.	Complied. Status of suggestions and recommendations received during public hearing is enclosed as Annexure- 1
45	The project proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the regulatory Authority on 1st June and 1st December of each calendar year.	Being complied
46	The SEIAA of MP reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the environment clearance under the provisions of the environmental (protection) Act,1986,to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed
47	These stipulations would be enforced among others under the provisions of water(Prevention and control of pollution) act,1974,the air(Prevention and control of pollution) Act 1981,the Environment(Protection) Act,1986 the public Liability (insurance) Act 1991 and EIA Notification,2006.	Agreed
48	The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment Protection.	Agreed

49	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may results In withdrawal of this clearance and attract action under the provisions of environment (protection) Act, 1986.	Agreed
50	Any appeal against this prior. Environmental Clearance shall lie with the green tribunal, If necessary, within a period of 30 days as prescribed under section 16 of the national Green tribunal Act, 2010.	Agreed
51	All other statutory clearances such as the approvals for storage of diesel from chief controller of explosives, fire department, civil aviation department, Forest conservation act, 1980 and wildlife (protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective component authorities.	Being Complied
52	The proponent shall upload the status of compliances of stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent To the regional office of MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM,SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projected shall be monitored and displayed at a convenient location near the main gate of the company In the public domain.	Being complied
53	The environmental statement for each financial Year ending 31st march in form-V as is mandated to be submitted by the project proponent to the Concerned state pollution control board asPrescribed under the environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliances of EC condition and shall also be sent to the regional office of	The environmental statement for financial Year ending 31st march shall be submitted to MPPCB by 30 th September.

MoEF.	

stions received during Public Hearing of 40.236 Ha Badarkha Limestone Mines of N nt Limited at Govt. Primary Shala, Badarkha Dated 07.07.2012

Name and Address	Query	Reply
Shri Chhatrapati Singh, President, Seva Sahkari Samiti Vill- Sijahata Smt. Shanti Kori, Sarpanch, Vill – Hinanti Dist - Satna	Agree with project implementation, development of the area will take place, social status of general public of the area will be improved. Requested for employment to villagers, plantation, requested the villagers to cooperate the company in establishing the mines.	Thanks for your co-o employment will be according to eligibi requirement Thanks for your co-o Dense plantation will be mines periphery, employs
Shri Jagdish Singh S/O Sukhdev Singh Vill-	Area will be developed, employment will be given to villagers, no objection in establishing	be given according to elig requirement Thanks for your co-o employment will be
Badarkha, Distt – Satna	mines	according to eligibit requirement
Shri Mohit Singh, S/O Shri Ram Charit Singh Vill- Badarkha, Distt - Satna	Area will be developed, employment will be given to villagers	Thanks for your co- employment will be according to eligibit requirement
Shri Rohini Singh, Vill - Badarkha, Distt - Satna	Agree with project implementation, Area will be developed, employment will be given to villagers	Thanks for your co- employment will be according to eligibi requirement
Shri Ganesh Singh, Vill – Badarkha, Distt – Satna	Agree with project implementation, Area will be developed, employment will be given to villagers	Thanks for your co- employment will be according to eligibi requirement
Shri Ramesh Singh, Vill – Badarkha, Distt – Satna	Agree with project implementation, Area will be developed, employment will be given to villagers	Thanks for your co- employment will be according to eligibi requirement
Shri Hari Shankar Tiwari, Vill – Man, Disti – Rawa	 Noise Pollution due to blasting hearing impairment, mental ill health etc. 	Controlled blasting will b per guidelines of IBN detonating technique adopted due to which no impairment or mental ill possible
	 Air pollution due to Blasting, cement manufacturing process 	Air pollution control dev be installed at all the poin and have been already in various locations (emission in plant.
	3- Increase of pollutant matter in air	Wet drilling will be do: spray on haul roads.
	4- Water pollution due to settling of dust, stone and smoke from air into water body, ground water level will also be affected.	All due care will be made the dust generated at ground water level improved due to colle rainy water in abandon pits
	5- Geological problems – all the living being will be scared of vibration caused due to blasting. Mining will be deeper enough due to which earth strata will become weak, release of poisonous gases.	No mining will be done permitted depth assigned by which no effect is envi- earth strata and no poss release of poisonous earthquake and landslide

- earthquake and landslide may be caused
- 6- Mental problems pollutants released may cause mental ill health, man of an ordinary prudence, thinking ability etc will also be affected.
- 7- Physical problems mining will cause physical problems in 50 km of radius. Progenies will face problems of infertility, handicapped, dwarfness, annoyance, madness etc.
- 8- Problems of Homes- cracks in walls or collapse of buildings within 10-15 years
- Effects on youths & pregnant ladies- development of infants, youths and pregnant ladies will be affected.
- 10- Effects on farmers life of farmers will be ill affected who are tolally dependent on agriculture
- Affection with parental birth place- people who leaves their homes even without their own will

All the pollution control it will be installed as per guiof CPCB/ MPPCB to averelease of pollutant. Can mental ill health is not possi-

No possibility of any physical problems

Mining will be done a guidelines of IBM and ; vibration will be mor regularly, vibration will a enough to cause harm ; homes as all the guidelines ; will be followed

Not acceptable, no efficiency development of infants, and prognant ladies, wit compliance of statutory guid

Not acceptable, due to come of related guidelines of the there will be no adverse Life style will be improved.

There is no habitation in the area hence the allegation acceptable

AIR QUALITY MONITORING REPORT FOR MINES MONTH - OCTOBER YEAR-2018

BADARKHA LIMESTONE MINES

(PRISM JOHNSON LIMITED)

VILLAGE: BANDARKHA

DISTT: SATNA (M.P.) POST: BAIRIHA

Sumitabh Dwivedi

NAME OF PERSON PREPARED THE REPORT

AMBIENT AIR QUALITY MONITORING

'n

LOCATION (1) - Hinauta village LOCATION (2) - Badarkha Mines LOCATION (3) - Chulhi village LOCATION (4) -Village Kulhari 8X3=24Hrs.

MENTIONED IN THE TABLE

	irection	From	SW	S
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PMI0 S	\dashv	43.73	49.05	
-	f³ ug/M³	_	-	
PM 2.5	M/gu	21.6	23.1	
8	mg/M ³	BDL	BDL	
NOX	ug/M³	19.1	177	
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0 "	ug/M²	45.7		
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Manoj Kumar Kash

Prista Johnson Ltd. Satna (M.P.) Sr. General Manager

NAME & ADDRESS OF FACTORY

1. DURATION

2. DISTANCE FROM FACTORY

3. WIND DIRECTION

Sumitabh Dwivedi

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

AIR QUALITY MONITORING REPORT FOR MINES MONTH - NOVEMBER YEAR-2018

I NAME & ADDRESS OF FACTORY

BADARKHA LIMESTONE MINES (PRISM JOHNSON LIMITED)

VILLAGE: BANDARKHA POST: BAIRIHA

DISTT: SATNA (M.P.)

NAME OF PERSON PREPARED THE REPORT

AMBIENT AIR QUALITY MONITORING

2. DISTANCE FROM FACTORY

1. DURATION

3. WIND DIRECTION

Sumitabh Dwivedi

8X3=24Hrs.

LOCATION (1) - Hinauta village LOCATION (2) - Badarkha Mines

LOCATION (3) - Chulhi village LOCATION (4) -Village Kulhari

MENTIONED IN THE TABLE

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Manoj Kumar Kashyap Sr. General Manager

Prism Johnson Ltd. Satna (M.P.)

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

AIR QUALITY MONITORING REPORT FOR MINES MONTH - DECEMBER YEAR-2018 BADARKHA LIMESTONE MINES (PRISM JOHNSON LIMITED)

VILLAGE: BANDARKHA DISTT: SATNA (M.P.) POST: BAIRIHA

Sumitable Dwivedi

NAME & ADDRESS OF FACTORY

NAME OF PERSON PREPARED THE REPORT

AMBIENT AIR QUALITY MONITORING 1. DURATION

2. DISTANCE FROM FACTORY

3. WIND DIRECTION

MENTIONED IN THE TABLE

LOCATION (1) - Hinauta village LOCATION (2) - Badarkha Mines LOCATION (3) - Chulhi village LOCATION (4) -Village Kulhari

8X3=24Hrs.

8 _
Wind Direction From SE SW
CO ug/M³ BDL BDL
NOX ugM³ 20.6
ocation (4) SO₂ ug/M² 13.5
Loc PM10 ug/M³ 55.4 49.7
PM 2.5 ug/M³ 28.0 23.9
CO UG/M³ BDIL BDIL
NOX ug/M² 21.6 20.6
ocation (3) SO ₂ ug/M³ 12.2 13.3
Lo PM10 ug/M³ 52.6 51.7
CO CO BDL 17 BDL 69 BDL
(2) NOX ug/M³ 5 24.27 8 26.29
202, SO ₂ ug/M³ 13.25
L ug/M³ 56.45 59.09
PM 2.5 ug/M³ 26.3 24.9
PA E
CO ug/N BDI BDI
NOX ug/M³ 22.1 25.2
SO ₂ Ug/M ³ 14.2 14.6
10 10 A ³
PMI ug/h
re PM 2.5 ug/M³ .18 25.4 .18 27.2 efectable Linit
No. Dz. 2 31.17

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

St. General Managar Prism Johnson Ltd. Satna (M.P.) Manoj Kumar Kashyap

AIR QUALITY MONITORING REPORT FOR MINES MONTH - JANUARY YEAR-2019

1 NAME & ADDRESS OF FACTORY

NAME OF PERSON PREPARED THE REPORT

AMBIENT AIR QUALITY MONITORING

2. DISTANCE FROM FACTORY

1. DURATION

3. WIND DIRECTION

BADARKHA LIMESTONE MINES

(PRISM JOHNSON LIMITED)

VILLAGE: BANDARKHA POST: BAIRIHA

DISTT: SATNA (M.P.)

Sumitable Dwivedi

8X3=24Hrs.

LOCATION (1) - Hinauta village

LOCATION (2) - Badarkha Mines LOCATION (3) - Chulhi village

LOCATION (4) -Village Kulhari

MENTIONED IN THE TABLE

			Wind	Direction	1000000	From	Ī	3	ΜS
				٤		_w Mg/M			BDL
				NOX	t g	ug/M.	0 2.0		22.1
	ĺ	Location (4)	+	Š	£ 4.	ug/m	13.3		12.2
		1	¥}-				50.1		53.3
				PM 2.5	no/M³		29.0		23.5
	l		5	CO PM 2.5 PM 10	ns/M ²	Ņ	BDL	ì	BIDE
			AON	4	mg/M		20.6	10.0	17.0
		Location (3)	Ġ	ρ'. 2	mS/M	-	13.5	1	7.71
	 	7	PM10	4	ng/M	9	27.7	55.1	-1
			PM 2.5		ug/m	0.50	2.03	23.8	
		1	8	33.77.13	1.10	, Ca		BDL	
			NOX	10/M3		26.29	1	24.27	
	Location (2)	Ş	Ş	no/M3	,	15.19	-	25	
	ĭ	DIVIO	TATTO	ng/M²		58,11	1	20.45	
		PMOS		ng/M²	٠.	26.4	25.0		
1		8	17	ng/M	7.7.7	BUL	HDI.		
		NOX	64.6	ug/m	72.4	#7.27	25.0		
Operion (1)	1	SO ₂		-	142	1	13.9		
1	'n	PMIO :	<u></u>	3	60.8	-	57.3		
	ŀ	-	M. 100	1	9.	,	2	1.0	i
L	-	C FM 2.5	M/dn		19 22	2	10 21	BDL - Below Detectable I imit	
SI		2			17.01.	07 10 20	40.01.	Below D.	
S	Ż	1			1	r	1	BDI	

Sr. General Manage

Prism Johnson Ltd. Satna (M.P.)

Sumitabh Dwivedi Manager- Environment

Prism Johnson Ltd. Satna (M.P.)

AIR QUALITY MONITORING REPORT FOR MINES MONTH - FEBRUARY YEAR-2019

NAME & ADDRESS OF FACTORY

BADARKHA LIMESTONE MINES (PRISM JOHNSON LIMITED) VILLAGE: BANDARKHA

POST: BAIRTHA DISTT: SATNA (M.P.)

NAME OF PERSON PREPARED THE REPORT AMBENT AIR QUALITY MONITORING

2. DISTANCE FROM FACTORY

1. DURATION

3. WIND DIRECTION

Sumitabh Dwivedi

LOCATION(1) - Hinauta village 8X3=24Hrs.

LOCATION (3) - Chulhi village LOCATION (4) -Village Kulhari

LOCATION (2) - Badarkha Mines

MENTIONED IN THE TABLE

		Ultima	1	Direction	TOTAL T	Tital	rom		ž		≥ Z
				5			4	1	DDL.	Ļ	BUL
	ĺ			XOX		110/M ²	-		777		0.12
٠		Location (4)	1	ŝ		m Won	4	12.5	7		
		Locat		10 S	,	T.			Ť		-
				.5 PM10		_ ma/M_	Ì	53.3	╁	203	Ч
	ļ			CO PM 2.5		M/Sn	ł	20.4	ļ	24.0	4
						mS/M		<u> </u>		RDI	
				XOX		ivi Sin		21.0		20.2	
		Cocation (3)		် လို	57000	ma/IMI		12.2	ľ	13.3	1
		71		FMIO				94.9		26.7	
				F.W. 4.3	, W.	107.00	_	24.8		7.07	
		1	5	3	no/M2		L	DUL	1	DDL	
			×	. "	ng/W.		75 17	/T.C7	0	0.0	
	(C) ucation (2)		Š	7 6	no/W		12.00	1	17.17	/7.47	
	1,003			, 7		Т	SO 64		70.07	ı	
					T MS/W	t		+		1	
	_	⊢	- W 7.0		-	-	28.3		25.4		
		8	3	Section 3	100		BDL		BDJ		
l		MOV	5	north A3	1		27.5		25.4	İ	
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Manager- Environment Sumitabh Dwivedi

Prism Johnson Ltd. Satna (M.P.)

Prism Johnson Ltd. Satna (M.P.)

AIR QUALITY MONITORING REPORT FOR MINES MONTH - MARCH YEAR-2019

1 NAME & ADDRESS OF FACTORY

2 NAME OF PERSON PREPARED THE REPORT AMBIENT AIR QUALITY MONITORING

2. DISTANCE FROM FACTORY

1. DURATION

3. WIND DIRECTION

BADARKHA LIMESTONE MINES (PRISM JOENSON LIMITED) VILLAGE: BANDARKHA

POST: BAIRIHA DISTT: SATNA (M.P.)

Sumitabh Dwivedi

LOCATION (1) - Hinauta village

LOCATION (2) - Badarkha Mines LOCATION (5) - Chulia village

LOCATION (4) -Village Kulhari

MENTIONED IN THE TABLE

		ļ	_	_	1	2		٦	_	_	ſ	7
			1	DUM	Direction		Line	1017	E C	2	AS.	-
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					XOX	5	119/M ³		25.00		24.27	
			Ocation (4)	()	ć	7.	ue/M³	Ì	3.88		13.50	
			_		PM30		ug/M ³	ł	54.25	+	52.14	
				ŀ	PM 2.5	,	ug/M'	L	31.81	L	25.05	
		ŀ			_ ප		JB/M		BDL	Г	BDL	
				L	XOX	4	. W	H	24.27	H	23.50	
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İ			VON	3	Sec. B. Co	LEY IVI	30.56	-74.70	20.14	10.14		
	Ocarion (1)		Ş	5	no/M3	10.1	17.01		15.46	┪		
	, T	ľ	PMIO	-	115/M ³		59.08		57 13			
		ŀ	PM 2.5		ue/M³		28.73		30.92		Limit	
		L	ate	_			8.03.19		22.03.19		DL - Below Detectable	
	Si	3	٠ ح				1.80		22.0		L - Below	
	v)	7	Z			ı	•	Ì	٠, ۲	ĺ	B	

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

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

Annexure-3

NOISE MONITORING REPORT

MONTH - OCTOBER 2018

1. Name and address of Factory

: PRISM JOHNSON LTD.

Prism Cement Limestone Mines

Village- Bandarkha Post - Bathia

Distt - Satna (M.P)- 485111

2. Name of person prepared the report

Sumitabh Dwivedi

3. Details of noise monitoring

٠.

:

Sl.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	25.10.18	52.4	40.7
2	Bandarkha mines	25.10.18	54.2	41.9
3	Chulhi village	25.10.18	50.7	39.8
4.	Kulhari village	25.10.18	51.2	42.5

Sumitabh Dwivedi

Manager - Environment

NOISE MONITORING REPORT

MONTH - NOVEMBER 2018

1. Name and address of Factory

: PRISM JOHNSON LTD.

Prism Cement Limestone Mines

Village- Bandarkha Post - Bathia

Distt - Satna (M.P)- 485111

2. Name of person prepared the report

Sumitabh Dwivedi

3. Details of noise monitoring

SI.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	11.11.18	58.2	50.2
2	Bandarkha mines	11.11.18	54.9	47.8
3	Chulhi village	11.11.18	52.0	45.7
4.	Kulhari village	11.11.18	50.4	45.2

Sumitabh Dwivedi

Manager – Environment

AMBIENT NOISE MONITORING REPORT

MONTH - DECEMBER 2018

1. Name and address of Factory

: PRISM JOHNSON LTD.

Prism Cement Limestone Mines

Village- Bandarkha Post - Bathia

Distt - Satna (M.P)- 485111

2. Name of person prepared the report

Sumitabh Dwivedi

3. Details of noise monitoring

٠.

Sl.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	17.12.2018	56.0	
2	Bandarkha mines	17.12.2018	55.7	49.7
3	Chulhi village	17.12.2018		48.02
4.	Kulhari village		52.6	46.4
		17.12.2018	51.0	48.2

Sumitabh Dwivedi

Manager - Environment

AMBIENT NOISE MONITORING REPORT

MONTH – JANUARY 2019

1. Name and address of Factory

: PRISM JOHNSON LTD.

Prism Cement Limestone Mines

Village- Bandarkha Post - Bathia

Distt - Satna (M.P)- 485111

2. Name of person prepared the report

Sumitabh Dwivedi

3. Details of noise monitoring

Sl.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	18.01.2019	57.0	49.2
2	Bandarkha mines	18.01.2019	56.2	47.2
3	Chulhi village	18.01.2019	53.2	48.5
4.	Kulhari village	18.01.2019	52.3	47.2

Sumitabh Dwivedi Manager – Environment

AMBIENT NOISE MONITORING REPORT

MONTH - FEBRUARY 2019

1. Name and address of Factory

: PRISM JOHNSON LTD.

Prism Cement Limestone Mines

Village- Bandarkha

Post - Bathia

Distt - Satna (M.P)- 485111

2. Name of person prepared the report

Sumitabh Dwivedi

3. Details of noise monitoring

:-

Sl.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	19.02.2019	58.3	48.7
2	Bandarkha mines	19.02.2019	55.4	47.8
3	Chulhi village	19.02.2019	54.6	47.2
4.	Kulhari village	19.02.2019	54.7	47.8

Sumitabh Dwivedi

Manager - Environment

AMBIENT NOISE MONITORING REPORT

MONTH - MARCH 2019

1. Name and address of Factory

: PRISM JOHNSON LTD.

Prism Cement Limestone Mines

Village- Bandarkha

Post - Bathia

Distt - Satna (M.P)- 485111

2. Name of person prepared the report

Sumitabh Dwivedi

3. Details of noise monitoring

:-

Sl.No	Locations	Date of monitoring	Noise level in dB(A) (Day Time)	Noise Level in dB(A) (Night Time)
1	Hinauta village	20.03.2019	59.2	52.4
2	Bandarkha mines	20.03.2019	56.4	49.7
3	Chulhi village	20.03.2019	52.7	46.0
4.	Kulhari village	20.03.2019	53.2	47.5

Sumitabh Dwivedi

Manager - Environment

ECOMEN LABORATORIES PVT. LTD. Annexure-4 ecomen

Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No. : (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

Annexure-4

FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO:ECO LAB/DW8/03/19 TEST REPORT ISSUE DATE: 25.03.2019

TEST REPORT OF DRINKING WATER*

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

Address of the Company: Village Mankahari,

Tehsil Rampur Baghelan

Distt.Satna (M.P.)

Sampling Method

: APHA/ IS: 3025 : Mr.Maan Singh

Sample Collected by Sample Quantity

: As per requirement.

Date of Sampling Date of Receiving : 12.03.2019 : 14.03.2019

Date of Analysis

: 14.03.2019 to 22.03.2019

Source of Sample

: Badarkha Village - Bore Well

SI. No.	TESTS	PROTOCOL	RESULT	Detection Range	INDIAN STANDARDS as per IS 10500:1991(Reaff:2012)	
					Desirable	Permissible
1.	Colour (Hazen unit)	APHA, 23™ Ed. 2017, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	APHA, 23rd Ed. 2017, 2150 B	Agreeable	Qualitative	Agreeable	Agreeable
3.	Taste	APHA, 23rd Ed. 2017, A+B	Agreeable	Qualitative	Agreeable	Agreeable
4.	Turbidity as (NTU)	APHA, 23rd Ed. 2017, 2130-A+B	1.90	1 - 100	1.0	5.0
5.	рН	APHA, 23rd Ed. 2017, 4500H+ A+B	7.40	2.0 -12	6.5-8.5	No Relax.
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23rd Ed. 2017, 2540-C	556.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23rd Ed. 2017, 2320 A+ B	154.0	5-1500	200	600
8.	Total Hardness as CaCO ₃ (mg/l)	APHA, 23rd Ed. 2017, 2340 A+C	236.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23rd Ed. 2017, 3500 Ca A+B	57.6	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23rd Ed. 2017, 3500 Mg A+B	22.35	5-1000	30.0	100.0
11.	Chloride as CI (mg/l)	APHA, 23rd Ed. 2017, 4500 Cl A+B	24.0	5-1000	250.0	1000,0
12.	Fluorides as F (mg/l)	APHA, 23rd Ed. 2017, 4500-C	0,25	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23rd Ed. 2017, 4500-SO42 E	108.0	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23rd Ed. 2017, 4500-NO ₃ B	10.80	5.0 - 100	45.0	No Relax.
15.	Manganese as Mn (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.1-5	0.10	0.30
16.	Zinc as Zn (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	0.15	0.02-50	5.0	15
17.	Lead as Pb (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.01-2	0.01	No Relax.
18.	Cadmium as Cd (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.002-2	0.003	No Relax
19.	Nickel as Ni (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.02-5	0.02	No Relax
20.	Arsenic as As (mg/l)	APHA, 23rd Ed. 2017, 3114 C	BDL	0.01-2	0.01	0.05
21.	Total Chromium as Cr (mg/l)	APHA, 23rd Ed. 2017, 3111 - A+B	BDL	0.04-10	0.05	No Relax
22.	Mercury as Hg (mg/l)	APHA, 23rd Ed. 2017, 3112 A+B	BDL	0.001-1	0.001	No Relax.
23	Copper as Cu (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.05-5	0.05	1.5
24.	Boron as B (mg/l)	APHA, 23rd Ed. 2017, 4500 B A+C	0.21	0.2 - 10	0.5	1.0
25.	Aluminium as Al (mg/l)	APHA, 23rd Ed. 2017 (3111-A+B)	BDL	1.0-100	0.03	0.2
26.	Free Residual Chlorine (mg/l)	APHA, 23rd Ed. 2017, 4500-Cl B	BDL	0.5-10	0.20	1.0
27.	Sulphide as H ₂ S (mg/l)	APHA, 23rd Ed. 2017, Reprint 2007	BDL	0.04-10	0.05	No Relax
28,	Iodide as I (mg/l)	APHA, 23rd Ed. 2017, 4500 - IB	BDL	0.1-10	-	
29,	Iron as Fe (mg/l)	APHA, 23rd Ed. 2017, 3500 Fe B	0.26	0.02-50	0.3	No Relax.
30.	Total coliform (MPN/100 ml)	APHA, 23rd Ed. 2017, B+C	BDL	1.8	0.05	Absent
31.	E.coll (Nos/100)	APHA, 23rd Ed. 2017, B+E	BDL	1.8	Absent	Absent

*The result are related only to item tested.

BDL = Below Detection Limit

Econon Laboratories Pvt. Ltd. FAuthorized signatorymber-V Sector-H, Aligani, Lneknow-226024

Ph.-2746282, Fax:2745726

Quality Manager

ECOMEN LABORATORIES PVT. LTD.



Flat No. 8, 2nd Floor, Arif Chamber-V, Sector H, Aliganj, Lucknow - 226 024 Phone No.: (91-522) 2746282, 2745726 Telefax No.: (91 - 522) 2745726

E-mail: ravi.bhargava@gmail.com, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN: 09AAACE6076H1ZI

FORMAT NO. ECO/QS/FORMAT/09

TEST REPORT NO:ECO LAB/DW12/03/19 TEST REPORT ISSUE DATE: 25.03.2019

TEST REPORT OF DRINKING WATER*

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

Address of the Company: Village Mankahari,

Tehsil Rampur Baghelan

Distt.Satna (M.P.)

Sampling Method : APHA/ IS: 3025
Sample Collected by : Mr.Maan Singh
Sample Quantity : As per requirement.

Date of Sampling : 12.03.2019 Date of Receiving : 14.03.2019

Date of Analysis : 14.03.2019 to 22.03.2019 Source of Sample : Chulihi Village – Bore Well

SL No.	TESTS	PROTOCOL	RESULT	Detection Range	INDIAN STANDARDS as per IS 10500:1991(Reaff:2012)	
					Desirable	Permissible
I.	Colour (Hazen unit)	APHA, 23rd Ed. 2017, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	APHA, 23 rd Ed. 2017, 2150 B	Agreeable	Qualitative	Agreeable	Agreeable
3.	Taste	APHA, 23rd Ed. 2017, A+B	Agreeable	Qualitative	Agreeable	Agreeable
4.	Turbidity as (NTU)	APHA, 23rd Ed. 2017, 2130-A+B	BDL	1 - 100	1.0	5.0
5.	pH	APHA, 23 rd Ed. 2017, 4500H+ A+B	7.21	2.0 -12	6.5-8.5	No Relax
6.	Total Dissolved Solids as TDS (mg/l)	APHA, 23rd Ed. 2017, 2540-C	340.0	5 - 5000	500	2000
7.	Alkalinity (mg/l)	APHA, 23 rd Ed. 2017, 2320 A+ B	148.0	5-1500	200	600
8.	Total Hardness as CaCO ₃ (mg/l)	APHA, 23rd Ed. 2017, 2340 A+C	260.0	5-1500	200.0	600.0
9.	Calcium as Ca (mg/l)	APHA, 23rd Ed. 2017, 3500 Ca A+B	70.4	5 - 1000	75.0	200.0
10.	Magnesium as Mg (mg/l)	APHA, 23rd Ed. 2017, 3500 Mg A+B	20,41	5-1000	30.0	100.0
11.	Chloride as Cl (mg/l)	APHA, 23rd Ed. 2017, 4500 CI A+B	64.0	5-1000	250.0	1000.0
12.	Fluorides as F (mg/l)	APHA, 23rd Ed. 2017, 4500-C	0.38	0.05-10	1.0	1.5
13.	Sulfate as SO ₄ (mg/l)	APHA, 23rd Ed. 2017, 4500-SOc2- E	112.0	1.0 -250	200.0	400.0
14.	Nitrate Nitrogen as NO ₃ (mg/l)	APHA, 23rd Ed. 2017, 4500-NO ₃ B	19.6	5.0 - 100	45.0	No Relax.
15.	Manganese as Mn (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.1-5	0.10	0.30
16.	Zinc as Zn (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	0.18	0.02-50	5.0	15
17.	Lead as Pb (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.01-2	0.01	No Relax.
18.	Cadmium as Cd (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.002-2	0.003	No Relax
19.	Nickel as Ni (mg/l)	APHA, 23 rd Ed. 2017, 3111 A+B	BDL	0.02-5	0.02	No Relax
20.	Arsenic as As (mg/l)	APHA, 23rd Ed. 2017, 3114 C	BDL	0.01-2	0.01	0.05
21.	Total Chromium as Cr (mg/l)	APHA, 23rd Ed. 2017, 3111 - A +B	BDL	0.04-10	0.05	No Relax
22.	Mercury as Hg (mg/l)	APHA, 23rd Ed. 2017, 3112 A+B	BDL	0.001-1	0.001	No Relax.
23	Copper as Cu (mg/l)	APHA, 23rd Ed. 2017, 3111 A+B	BDL	0.05-5	0.05	1.5
24.	Boron as B (mg/l)	APHA, 23rd Ed. 2017, 4500 B A+C	0.23	0.2 - 10	0.5	1.0
25.	Aluminium as Al (mg/l)	APHA, 23rd Ed. 2017 (3111-A+B)	BDL	1.0-100	0.03	0.2
26.	Free Residual Chlorine (mg/l)	APHA, 23rd Ed. 2017, 4500-C1 B	BDL	0.5-10	0.20	1.0
27.	Sulphide as H ₂ S (mg/l)	APHA, 23rd Ed. 2017, Reprint 2007	BDL	0.04-10	0.05	No Relax
28.	lodide as I (mg/l)	APHA, 23rd Ed. 2017, 4500 - IB	BDL	0.1-10		
29.	Iron as Fe (mg/l)	АРНА, 23 rd Ed. 2017, 3500 Fe В	0.16	0.02-50	0.3	No Relax.
30.	Total coliform (MPN/100 ml)	APHA, 23 ^{nl} Ed. 2017, B+C	BDL	1.8	0.05	Absent
31.	E.coll (Nos/100)	APHA, 23rd Ed. 2017, B+E	BDL	1.8	Absent	Absent

*The result are related only to item tested.

BDL Below Detection Limit

Analyst

E Authorized signatory Ltd.

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