



UCWL/ENV/MoEFCC/2022-23/ 3081

28th May 2022
3)

The Deputy Director/ Scientist-C
Integrated Regional Officer,
Ministry of Environment, Forest and Climate Change,
Regional Officer , Aranya Bhawan, IInd Floor,
Jaipur 302004

Sub: Submission of six monthly compliance reports of conditions of Environmental Clearances of Daroli Limestone Mine-1 & 2 (ML. No. 02/88(new no. 186/08) & 64/79(new no. 23/01)) respectively by M/s Udaipur Cement Works Ltd. located in village- Daroli, Tehsil- Vallabhnagar, Distt.-Udaipur(Raj.)

Ref: 1. Environmental clearance letter no. J-11015/460/2006-IA II (M), Dated 02/01/2009
2. Environmental clearance letter no. J-11015/453/2006-IA II (M), Dated 05/01/2009

Dear Sir,

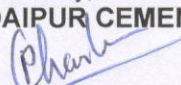
With reference to the aforesaid subject, please find enclosed herewith the **six monthly (Second half yearly) Environmental Clearance compliance reports** for the period of **Oct- 2021 to March-22** for our Daroli Limestone Mine-1 & Daroli Limestone Mine-2.

As per MoEF&CC Notification S.O.-585 dated 26.11.2018, we are submitting soft copy of the report to your good office through E-Mail-iro.jaipur-mefcc@gov.in.

Hope you find the above in line with the requirement. This is for your kind perusal & record, please.

Thanking you,

Yours faithfully,
For UDAIPUR CEMENT WORKS LTD.,


P. K. Chouhan
(General Manager – Env & QC)

Encl: As Above

CC:

1. **The Member Secretary, Rajasthan State Pollution Control Board,- 4, Paryavaran Marg,**
Institutional Area, Jhalana Doongari, Jaipur, Rajasthan- 312004
2. **Regional Officer, RSPCB-Udaipur- F-470, Near UCCI Bhavan, Madri Industrial Area, Udaipur**
(Rajasthan) - 313001

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Fax: +91-11-66001142 | Email: ucwl.customercare@ucwl.jkmail.com | **Works & Regd. Office:** Shripati Nagar, CFA, P.O. Dabok,
Udaipur - 313022, Rajasthan | Phone: +91-294-2655076 | Fax: +91-294-2655077 | Email: ucwl@ucwl.jkmail.com

CIN: L26943RJ1993PLC007267

Environmental Clearance Compliance Report (Oct-21 to March-22)
Daroli LS Mine-1 (02/88)

Name of the Project	Daroli Limestone Mine -1 (M.L. No. 02/88 (186/08 (New)
EC Letter No	J-11015/460/2006-IA II (M), Dated 02/01/2009
Period of Compliance	October-21 to March -22 (Second Half Yearly)




Specific Conditions:

S/N	CONDITIONS	COMPLIANCE
1	The project proponent shall obtain Consent to Establish from the Rajasthan State Pollution Control Board and effectively implement all the conditions stipulated therein.	M/s Udaipur Cement Works Ltd (UCWL) had obtained Consent to Establish vide letter no. F(Mines)/Udaipur(Vallabhnagar/1(1)/2009 2010/1789 Dated 16/07/2009 and thereafter consent to operate (renewed) vide letter no.- F(Mines)/Udaipur(Girwa)/5095(1)/2019-2020/1614-1618 dated 22/7/2019, the same is valid till 30/4/2024. The Compliance of the consent condition is being submitting to State Pollution Control Board authorities as per time to time.
2	The environmental clearance is subject to approval of the State Land use Department, Government of Rajasthan for diversion of agricultural land for non-agricultural use.	At present our mining operations are only restricted to Govt. Waste lands. The progressive mine development for the proposed mine period doesn't require any agricultural land. Agriculture land shall be procured on later stages if necessary. All necessary approvals will be taken from the concerned authority at later stages. Mining operations will be performed in compliance with DGMS rules.
3	The top soil, if any, shall temporarily be stores at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation.	There is no top soil. Hence, not applicable
4	The project proponent shall ensure that no natural watercourse and /or water resources shall be obstructed due to any mining operations. The Daroli tank and the seasonal streams passing through the lease area shall be protected and left undisturbed.	UCWL has adopted best mining practice and is being regularly carrying out as per approved mining plan & strictly ensures that no natural water source obstructed during mining operations. The Daroli tank and the seasonal streams passing through the lease area is protected and left undisturbed.
5	The inter burden generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time and their phase-wise stabilization shall be carried out. There shall be three external dumps. The maximum height of the dumps shall be 18m having two terraces of 9m each, and the overall slope of the dumps shall be 27°C.	Complying with as the dump sites for inter burden has been earmarked as per the condition no. 5. Also provisions for stacking of inter burden within the lease area have been clearly marked in the approved Mining Plan. The conditions have been taken into consideration in the progressive mine closure plan (A part of mining plan thoroughly screened & approved by IBM).

Environmental Clearance Compliance Report (Oct-21 to March-22)
Daroli LS Mine-1 (02/88)

	<p>The inter burden dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Lucknow on six monthly basis.</p>	<p>The inter burden dumps is properly scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas are continuing until the vegetation becomes self-sustaining.</p> <p>The Compliance status report is being regularly submitting to the Ministry of Environment & Forests and its Regional Office located at Jaipur on prescribed interval as (six monthly basis).</p>
6	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and inter burden dump(s) to prevent run off of water and flow of sediments directly into the Berach River, the Daroli tank, the seasonal streams passing through the lease area and other water bodies.</p> <p>The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after the monsoon and maintained properly.</p>	<p>The PP has constructed catch drain and siltation ponds around the mine working area and inter burden dumps to prevent the run-off of water and flow of sediments directly into Berach river.</p> <p>The collected water is being utilized for gainful purposes.</p> <p>Sedimentation pit have also been constructed.</p> <p>Catch drain around the dumps need proper maintenance.</p> <p>The rainwater collected in the mining lease is being adequately used for secondary purposes such as plantations, dust suppressions etc. sump of adequate capacity has been provided.</p>
	<p>Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and the inter burden dumps to prevent run off of water and flow of sediments directly into the Berach River, the Daroli tank, the seasonal streams passing through the lease area and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of the silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.</p>	<p>Garland drains, check dams have been constructed around the mine pit and the inter burden dumps to prevent run off of rain water and flow of sediments directly into the Berach River, daroli tank & the seasonal streams. Sedimentation pits have been constructed at the corners of the garland drains and de-silted periodically.</p>


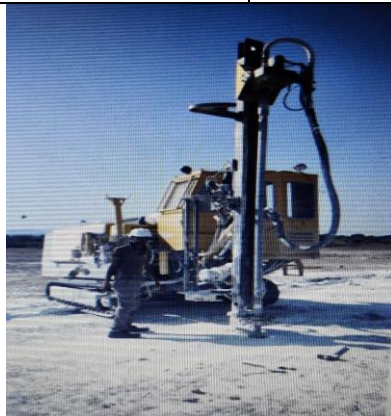

Environmental Clearance Compliance Report (Oct-21 to March-22)
Daroli LS Mine-1 (02/88)

								
7	<p>The void left unfilled in an area of 260 ha shall be converted into the water body.</p> <p>The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slopes of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.</p>	<p>UCWL ensures to convert mentioned area into the water body after completion of mining activity as per the Final Mine Closure Plan (FMCP). Also ensuring that the higher benches of excavated void/mining pit will be terraced and development of green belt accordingly as per the slope stabilize. This slopes (higher benches) made gentler for easy accessibility by local people. Proper fencing is provided around the excavated area.</p>						
8	<p>Dimension of the retaining wall at the toe of the inter burden dump (s) and the inter burden benches within the mine to check run-off and siltation should be based on the rainfall data.</p>	<p>Retaining wall constructed at the toe of the waste dump along with garland drain as per the approved mine plan.</p>						
								
9	<p>Regular monitoring of the Daroli tank shall be carried out and records maintained.</p>	<p>The water quality of the Daroli tank is being monitored by NABL approved Lab and records are maintained. A quality report is attached in Annexure- A1 (Page 1 to 3)</p>						
10	<p>Plantation shall be raised in an area of 154ha including a 7.5m wide green belt in the safety zone around the mining lease, inter burden dumps, mine benches and around the water body, around Daroli tank, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1500 plants per ha.</p>	<p>The unit has developed green belt as per the below stipulated table details. Further, green belt will be developed as per the approved Mining Plan.</p>						
		<table><tr><td>Particular</td><td>Area (Ha)</td><td>Plants</td></tr><tr><td>Existing covered area</td><td>27.7</td><td>50,782 Nos.</td></tr></table>	Particular	Area (Ha)	Plants	Existing covered area	27.7	50,782 Nos.
		Particular	Area (Ha)	Plants				
Existing covered area	27.7	50,782 Nos.						


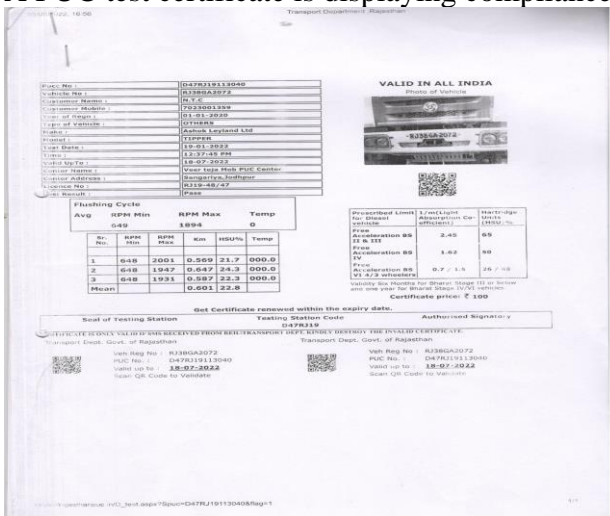
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	Fresh Plantation			
				
				
	Green Belt Area			
11	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	<p>UCWL has provided all environmental protection measures and safeguards, to main better Air Quality, The mine air quality data is mentioned in the general condition no-5. The provided environmental measure are given below-</p> <ul style="list-style-type: none"> • All the haul roads is being kept properly graded with sufficient width and regular water spraying is being/ will be done on the haul roads. • Water is being spraying on, blasted material and unloading point to avoid dust generation 		



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		<ul style="list-style-type: none">• Bag filter installed at crusher and transfer points• Water spraying arrangement has been provided at Crusher hopper.• The entire belt conveyor system is fully covered• Drilling machines is equipped with water injection system for wet drilling.	
			
	APCDs- Bag Filter	Drilling with water injection	Water Tanker
12	The project proponent shall take adequate environmental safeguard measures to protect the Berach River flowing adjacent to the mine lease and regularly monitor the water quality upstream and downstream of the River and record of monitoring data should be maintained and submitted to the Ministry of Environment and Forests, its Regional Office, Lucknow, the Central Groundwater Authority, the Regional Director, Central Ground Water Board, the State Pollution Control Board and the Central Pollution Control Board.	UCWL already taken adequate environmental safeguard measures to protect the Berach River flowing adjacent to the mine lease as per condition no-6 The water quality monitoring of Berach river is carrying out by NABL approved lab regular basis and records of the same are maintained. A quality report is attached in <u>Annexure- A2 (Page No- 1 to 4)</u> & submitting by this compliance report to all concerned govt. authorities.	
13	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Suitable conservation measures i.e. Loose stone check dams, dugout ponds, recharge trenches, earthen check dams etc. have been developed to augment ground water resources.	
14	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year, pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office, Lucknow, the Central Ground Water Authority and the Regional	Monitoring of ground water in respect to level and quality is being done as per the prescribed frequency (monsoon, post monsoon, summer & winter) and reports are being submitting to all concerned govt. authorities. In addition to meet statutory requirement, UCWL have provided three nos of digital water level recorder for real time monitoring. The water quality of Mine pit , Daroli tank & water level report is attached in <u>Annexure- A3 (Page 1 to 9)</u> & A1 which are tested & measured by NABL Approved labs.	

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	Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.	 <p style="text-align: center;">DWLR</p>
15	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of ground water for the project.	NOC for ground water withdrawal has been obtained from CGWA vide NOC no-CGWA/NOC/IND/REN/2/2022/6673 dated 18/2/2024, the same is valid till 21/4/2024. The same is Attached in Annexure- A4 (Page no 1 to 2)
16	Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with the Regional Director, Central Ground Water Board.	Suitable rainwater harvesting measures i.e. check dams, dugout ponds, recharge trenches; earthen check dams, artificial rain water harvesting structures etc. have been developed.
17	Appropriate mitigative measures shall be taken to prevent pollution of the Berach River, in consultation with the State Pollution Control Board.	UCWL already taken appropriate mitigative measures to prevent pollution of the Berach River in consultation with the State Pollution Control Board. Plz see the compliance point no-VI.
18	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles use in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.	<p>All the HEMM, vehicles which are involved in the mining/ transportation activity, are properly maintained & ensured to monitor pollution under control on time to time.</p> <p>A PUC test certificate is displaying compliance</p> 

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19	No blasting shall be carried out after the sunset. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Complying with, and ensures to carry out control blasting activity only during the day time as per guideline. The vibration study in this regards always carried out to reduce others effect.
20	Drills shall either be operated with dust extractors or equipped with water injection system.	Complying will, wet drilling practice is being carrying out.
21	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	<p>Dust extraction system along with bag house has been installed at the onsite crusher. Curtain has been provided at the feed hopper of crusher as per predominant wind direction along with water sprinkler system. Since, hopper location is in the vicinity of Aircraft operation therefore, providing more elevation is not possible due to Height restriction from AAI.</p>  
22	Consent to operate shall be obtained from the State Pollution Control Board prior to start of enhanced production from the mine.	UCWL has obtained Consent to Operate of Daroli Limestone Mine-1 vide RSPCB letter no.F(Mines)/Udaipur(Girwa)/5095(1)/2019-2020/1614-1618 dated 22.07.2019
23	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Schedule of health examination of the workers has been made & medical examination is being carried out on three yearly basis. A detailed medical checkup report is attached in Annexure – A5 (Page 1 to 12)

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24	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and the wastewater generated during the mining operation.	Residence of mining staff has been accommodate in colony of cement plant, where 250 KLD STP has already been installed for treatment of domestic wastewater. ETP has been installed at mines workshop.
		 
		<div style="display: flex; justify-content: space-around;"> STP ETP </div>
25	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the Project.	The Provision for residence of Mine's employees have been made at the colony located in cement plant premises, which is having STP.
26	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to the Ministry of Environment and Forests and its Regional Office, Lucknow.	Complying with, a remote sensing study / land use pattern is being carried out as per given time line & submitting accordingly.
27	A final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	UCWL will submit mine closure plan accordingly.
General conditions:		
1	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	Noted. UCWL ensure that change in mining technology and scope of working will not be done without prior approval of the Ministry of Environment, Forest & Climate Change.
2	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Noted
3	Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	We have obtained authenticated list of flora & fauna from DFO, Udaipur-North vide letter no. 2021-22/491 dt. 28 th January 2022.
4	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO ₂ & NO _x monitoring. Location of the stations should be decided based on the meteorological data,	UCWL has established four nos. ambient air quality monitoring stations in the core zone as well as the buffer zone for monitor the Air pollutant- RSPM, SPM, SO ₂ & NO _x . The Air quality in this respect is attached in

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	topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Annexure A6
5	Data on ambient air quality (RSPM, SPM, SO ₂ & NO _x) should be regularly submitted to the Ministry including its Regional Office located at Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.	Noted & complying with, the Ambient Air Quality is regularly being carried out as per circular J-20012/1/2006-IA. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change. The Air quality monitoring results, monitored by NABL lab is attached in <u>Annexure -A6 (Page no 1 to 8)</u>
6	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	UCWL is complying with all environmental protection measures and safeguards, the measure is given below- <ul style="list-style-type: none"> • All the haul roads is being kept properly graded with sufficient width and regular water spraying is being/ will be done on the haul roads. • Water is being spraying on, blasted material/muck pile and unloading point to avoid dust generation • Bag filter installed at crusher and transfer points • Water spraying arrangement has been provided with Crusher hopper. • The entire belt conveyor system is fully covered and all material transfer points are fitted with bag filters. • Drilling machines is equipped water injection system for wet drilling. • Automatic water fogging system provided at crusher hopper.
7	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	Suitable PPEs are provided to all the workers & It is ensured that all the employees/workers make use of PPEs. Necessary training and information on safety and health aspects to all workmen is being provided in the Tool Box Talk & Vocational Training. HEMM is maintained regularly and noise levels are within the limits Noise levels are monitored regularly and values are within limits. Noise level monitoring report is attached in <u>Annexure A7 (Page No 1 to 4)</u>
8	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform 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. Oil and grease trap should be installed before discharge of workshop effluents .	ETP has already been installed at the auto workshop area for the treatment of wastewater generate during vehicle washing. The treated water quality meet the prescribed norms as stated. A treated water quality report is attached in <u>Annexure- A8 (Page 1)</u>

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		ETP
9	<p>Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</p>	<p>UCWL always ensure to provide mandatory PPEs (Helmet, shoes, hand gloves, goggles, dust mask) to all concerned & workmen also provide adequate training and information on safety & health aspects. Health checkup is conducted on regular basis as per the requirement define by the IBM.</p> <p>Periodically health checkup surveillance program is being organized regularly as per norms of DGMS .</p> <p>A details health checkup report is attached in Annexure- A5 (Page 1 to 8)</p> <p>Eye camp- UCWL in association with Unnati Sansthan conducted a free eye checkup camp at UCWL Daroli Limestone Mines premises primarily for dumpers driver & labors . This one-day camp a comprised comprehensive eye checkup of around 81 patients by team constituted of ophthalmologists, out of which around 29 patients who were identified to have refractive errors, were offered with free spectacles. This program will certainly have a very positive impact on truckers road safety</p>
		 <p style="text-align: center;">Eye Camp</p> <p style="text-align: center;"><u>Health Cap-</u> Conducting health checkup camp for the underprivileged around our operational area has been one of the activity which is done on regularly by UCWL. During the period of Oct-21 to March-22 10</p>

Environmental Clearance Compliance Report (Oct-21 to March-22)
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		Nos of health checkup camps were conducted & treating around 328 patients. This initiatives is of great significance especially during challenging time of covid.										
10	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	UCWL has a separate Environment Management Cell under the control of senior executive to take care of monitoring and other issues related to environment.										
11	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Lucknow.	UCWL has kept the funds earmarked for environmental protection measures & ensures not to divert for other purpose. The expenditure on environment protection under below heads for the reporting period – April 2021 to March 2022. <table><tr><td>Heads</td><td>Rs (in Lacs)</td></tr><tr><td>Environmental monitoring & calibration of the instrument</td><td>3.0</td></tr><tr><td>Dust suppression on haul road crusher</td><td>56.8</td></tr><tr><td>Green Belt development</td><td>30.46</td></tr><tr><td>Total</td><td>90.26</td></tr></table>	Heads	Rs (in Lacs)	Environmental monitoring & calibration of the instrument	3.0	Dust suppression on haul road crusher	56.8	Green Belt development	30.46	Total	90.26
Heads	Rs (in Lacs)											
Environmental monitoring & calibration of the instrument	3.0											
Dust suppression on haul road crusher	56.8											
Green Belt development	30.46											
Total	90.26											
12	The project authorities should inform to the Regional Office located at Lucknow regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted, all the project work is within the existing premises of UCWL, hence no any additional land is required.										
13	The Regional Office of this Ministry located Lucknow shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted, the Dy Director (MoEF- Integrated Regional officer- Jaipur) visited / inspected our site on 27.03.2021 and we have obtain the Certified Environmental Clearance Compliance Report from MoEF Integrated Regional Office Jaipur on dated 24.06.2021										
14	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Lucknow, Central Pollution Control Board.	Agreed with. The half yearly compliance report is being submitting as per prescribed frequency to the concerned authority & the soft copy of the compliance report also being sent by email to (<i>iro.jaipur-mefcc@gov.in</i>)										
15	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office Lucknow, Central Pollution Control Board.											
16	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Copy of EC hosted on company's website in public domain.										
17	State Pollution Control Board should display a	Copy of Environmental Clearance had been										

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	copy of the clearance letter at the Regional office, District Industry Centre and Collector's office; /Tehsildar's Office for 30 days.	submitted to Rajasthan State Pollution Board for necessary perusal.
18	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, with in 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 web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Lucknow.	UCWL had published information regarding - Environmental Clearance in two local newspapers Dainik Bhaskar & Rajasthan Patrika on dated January 20 th 2009.

EC Daroli LS Mine-1



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Annexure-1



Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

Office : E-65, Chitrangan Marg,
C-Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100002418	Date :	31-12-2021
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-12-2021
Point of Collection :	Dandi Tank	Date of Receipt :	15-12-2021
Date of Test/Analysis :	15-12-2021 to 31-12-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Taste	Agreeable	IS 3025 (Part 7) : 2017 & (Part 8) : 1984 RA 2017	Agreeable	-
4	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
5	pH	8.02	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	411.76	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 23) : 2009 RA 2019	1.0	-
8	Chloride [mg/l]	228.64	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Note:

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Bajan



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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Total Dissolved Solids [mg/l]	910	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
10	Calcium [mg/l]	101.96	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
11	Magnesium [mg/l]	38.1	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2019	0.05	1.50
13	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
14	Sulphate [mg/l]	208.88	IS 3025 (Part 24) : 1986 RA 2019	200.00	400.00
15	Nitrate [mg/l]	26.62	IS 3025 (Part 34) : 1988 RA 2019	45.00	-
16	Fluoride [mg/l]	1.08	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2019	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2019	0.01	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2019	0.01	-
20	Zinc [mg/l]	BDL(<0.01)	IS 3025 (Part 49) : 1994 RA 2019	5.00	15.00
21	Alkalinity - T [mg/l]	174.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2019	0.03	0.2
23	Boron [mg/l]	0.25	IS 13428 (Annexure H)	0.5	2.4
24	Total Chromium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.05	-
25	Mercury [mg/l]	BDL(<0.001)	IS 3025 (Part 48) : 1994 RA 2019	0.001	-
26	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2019	0.005	-
27	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2019	1.0	-
28	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2019	0.05	-

Note:

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Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
29	Calcium Hardness [mg/l]	254.8	IS 3025 (Part 40) : 1991 RA 2019	-	-
30	Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
31	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
32	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100 ml sample	-
33	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-

Notes :-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502521100002418)



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TEST REPORT

Report No./ULR No. :	TC502522100002398A	Date :	29-12-2021
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2021
Point of Collection :	Breach River (U p Stream)	Date of Receipt :	15-12-2021
Date of Test/Analysis :	15-12-2021 to 29-12-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less Than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	0.98	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.44	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
5	Hardness (total) [mg/l]	485.15	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Chloride [mg/l]	211.88	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
7	Total Dissolved Solids [mg/l]	1662	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
8	Magnesium [mg/l]	93.82	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Note:

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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Fluoride [mg/l]	0.96	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
10	Alkalinity - T [mg/l]	339.5	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
11	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
12	Reactive Silica as SiO ₂ [mg/l]	8.68	APHA 2017 : 4500-SiO ₂ C	-	-
13	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100 ml sample	-
14	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-

Notes :-

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Balwan
Balwan Arora

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502522100002398A)

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TEST REPORT

Report No./ULR No. :	TC502522100002399A	Date :	29-12-2021
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	10-12-2021
Point of Collection :	Breach River (Down Stream)	Date of Receipt :	15-12-2021
Date of Test/Analysis :	15-12-2021 to 29-12-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less Than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	-
3	Turbidity [NTU]	0.76	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	7.56	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
5	Hardness (total) [mg/l]	495.05	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Chloride [mg/l]	216.81	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
7	Total Dissolved Solids [mg/l]	1687	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
8	Magnesium [mg/l]	93.82	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Note:

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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Fluoride [mg/l]	0.99	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
10	Alkalinity - T [mg/l]	329.8	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
11	Free Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2019	0.2	1.0
12	Reactive Silica as SiO ₂ [mg/l]	8.01	APHA 2017 : 4500-SiO ₂ C	-	-
13	Total coliform [MPN/100ml]	Not Detected	IS 5401 (Part 2) : 2012 RA 2018	Shall not be detectable in 100 ml sample	-
14	E. Coli [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-

Notes :-

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Bakram
Bakram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
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TEST REPORT

Report No./ULR No. :	TC502522100000251	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	19-02-2022
Point of Collection :	Mines Pit (Surface Water) - 1	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 03-03-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
1	Color [Hazen]	Less than 5	IS 3025 (Part 4) : 1983 RA 2017	5.00	15.00
2	Odour	Agreeable	IS 3025 (Part 5) : 2018	Agreeable	5.00
3	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
4	pH	8.00	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	6.50 - 8.50
5	Hardness (total) [mg/l]	431.37	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
6	Chloride [mg/l]	274.81	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
7	Total Dissolved Solids [mg/l]	1082	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
8	Magnesium [mg/l]	42.88	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00

Note:

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Rajesh Maheshwari



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012 (RA 2018) Max.	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
9	Fluoride [mg/l]	1.29	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
10	Alkalinity - T [mg/l]	137.2	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
11	Free Residual Chlorine [mg/l]	BDL (<0.1)	IS 3025 (Part 26) : 1986 RA 2019	-	-
12	Reactive Silica as SiO ₂ [mg/l]	8.51	APHA 2017 : 4500-SiO ₂ C	-	-
13	Total coliform [MPN/100ml]	Not Detected	IS 1622 : 1981	Shall not be detectable in 100 ml sample	-
14	E. Coll [MPN/100ml]	Not Detected	IS 5887 (Part 1) : 1976 RA 2018	Shall not be detectable in 100 ml sample	-

Notes :-

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Belran

Balram Arora

Rajesh

Rajesh Maheshwari

(Report No: TC502522100000251)



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TEST REPORT

Report No : UCL/WL/06-01
Date : 28-07-2021
Issued to : M/S Udaipur Cement Works Ltd.
Works: Shripatinagar, Near Dabok P.O. CFA -
Distt. Udaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement (Piezo wells- Core Zone)
Date of Sample Collection/Monitoring : 10-06-2021
Date of Sample Receipt : 11-06-2021
Date of Test : 11-06-2021
Sample Collected By : Sitaram Jangid

RESULTS

S. No	Location	Water Level in Meters (BGL)
1	Open Well – Jodhraj Patel (Village - Daroli)	18.49
2	Open Well – Near Dharmraj Temple (Village - Daroli)	12.99
3	Open Well – Durgaramji (Village – Banjara ka Khera)	20.35
4	Open Well – Ramji (Village – Banjara ka Khera)	10.61

Note: -

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Ratan Lal Yogi

Rajesh Maheshwan
Authorized Signatory



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TEST REPORT

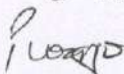
Report No : 1UCL/WL/06-02
Date : 27-07-2021
Issued to : M/S Udaipur Cement Works Ltd.
Works: Shripatinagar, Near Dabok P.O. CFA -
Distt. Udaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement (Piezo wells- Core & Buffer Zone)
Date of Sample Collection/Monitoring : 10-06-2021
Date of Sample Receipt : 11-06-2021
Date of Test : 11-06-2021
Sample Collected By : Sitaram Jangid


RESULTS

S. No	Location	Water Level in Meters (BGL)
1	Near Loco Shed (P-1)	3.70
2	Near Packing Plant (P-2)	11.25
3	Admin. Building (P-3)	18.49
4	Near Temple (P-4)	19.13
5	Near Quarter T1C-17 (P-5)	11.65
6	Near Colony Dispensary (P-6)	10.58
7	Near MD Bungalow (P-7)	12.25
8	Near STP (P-8)	10.32
9	North Daroli Block Mines Pit (P-9)	9.13

Note: -

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Purnima Mal
Senior Analyst


Rajesh Maheshwan
Authorized Signatory



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TEST REPORT

Report No : UCL/WL/09-01
Date : 25-09-2021
Issued to : M/S Udaipur Cement Works Ltd.
Works: Shripatinagar, Near Dabok P.O. CFA -
Distt. Udaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement (Piezo wells- Core Zone)
Date of Sample Collection/Monitoring : 04-09-2021
Date of Sample Receipt : 08-09-2021
Date of Test : 08-09-2021
Sample Collected By : Sitaram Jangid

RESULTS

S. No	Location	Water Level in Meters (BGL)
1	Open Well – Jodhraj Patel (Village - Daroli)	9.80
2	Open Well – Near Dharmraj Temple (Village - Daroli)	10.61
3	Open Well – Durgaramji (Village – Banjara ka Khera)	14.37
4	Open Well – Ramji (Village – Banjara ka Khera)	9.97

Note: -

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2. This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory

TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

Office : E-65, Chitranganj Marg,
B Scheme, Jaipur - 302001, Rajasthan
Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

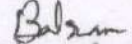
Report No : UCL/WL/09-02
Date : 25-09-2021
Issued to : M/S Udaipur Cement Works Ltd.
Works: Shripatinagar, Near Dabok P.O. CFA -
Distt. Udaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement (Piezo wells- Core & Buffer Zone)
Date of Sample Collection/Monitoring : 03-09-2021
Date of Sample Receipt : 08-09-2021
Date of Test : 08-09-2021
Sample Collected By : Sitaram Jangid

RESULTS

S. No	Location	Water Level in Meters (BGL)
1	Near Loco Shed (P-1)	4.12
2	Near Packing Plant (P-2)	11.55
3	Admin. Building (P-3)	17.22
4	Near Temple (P-4)	16.02
5	Near Quarter T1C-17 (P-5)	12.15
6	Near Colony Dispensary (P-6)	9.70
7	Near MD Bunglow (P-7)	11.90
8	Near STP (P-8)	9.95
9	North Daroli Block Mines Pit (P-9)	8.47

Note:-

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2. This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.


Balram Agarwal
Senior Analyst


Rajesh Maheshwari
Authorized Signatory



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Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No : 100002402-100002405
Date : 04-01-2022
Issued to : M/S Udaipur Cement Works Ltd.
Works: Shripatinagar, Near Dabok P.O. CFA -
Distt. Udaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement (Piezo wells- Core Zone)
Date of Sample Collection/Monitoring : 11-12-2021
Date of Sample Receipt : 15-12-2021
Date of Test : 15-12-2021
Sample Collected By : Vimal kumar yadav

RESULTS

S. No	Location	Water Level in Meters (BGL)
1	Open Well – Jodhraj Patel (Village - Daroli)	13.55
2	Open Well – Near Dharmraj Temple (Village - Daroli)	5.10
3	Open Well – Durgaramji (Village – Banjara ka Khera)	9.48
4	Open Well – Ramji (Village – Banjara ka Khera)	6.24

Note: -

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3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory



TEAM TEST HOUSE
(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

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Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No : 100002406-100002411
Date : 04-01-2022
Issued to : M/S Udaipur Cement Works Ltd.
Works: Shripatinagar, Near Dabok P.O. CFA -
Distt. Udaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement (Piezo wells- Core & Buffer Zone)
Date of Sample Collection/Monitoring : 11-12-2021
Date of Sample Receipt : 15-12-2021
Date of Test : 15-12-2021
Sample Collected By : Vimal kumar yadav

RESULTS

S. No	Location	Water Level in Meters (BGL)
1	Near Packing Plant (P-2)	8.80
2	Admin. Building (P-3)	12.70
3	Near Temple (P-4)	11.37
4	Near Colony Dispensary (P-6)	6.24
5	Near MD Bungalow (P-7)	12.27
6	Near STP (P-8)	5.49

Note: -

1. The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
2. This report is not to be reproduced wholly or in part and can not be used evidence in the court of law and should not be used in any advertising media without our special permission in writing.
3. The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Balram
Balram Agarwal
Senior Analyst

Rajesh Maheshwar
Rajesh Maheshwar
Authorized Signatory



TEAM TEST HOUSE

(Unit of Team Institute of Science & Technology Pvt. Ltd.)

Approved by Ministry of Environment and Forest, Government of India as Environmental Laboratory

RSPCB

ISO 9001:2015,

ISO 14001:2015,

ISO 45001:2018 (OH&S)

JDA/UDH

Office : E-65, Chitrangan Marg,
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Phone : +91 6377210064, 9414077379,
Website : www.teamtesthouse.com
Email : team.bdhead@gmail.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No : 100000247-100000250
Date : 03-03-2022
Issued to : M/S Udaipur Cement Works Ltd.
Works: Shripatinagar, Near Dabok P.O. CFA -
Distt. Udaipur (Rajasthan)
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement (Piezo wells- Core Zone)
Date of Sample Collection/Monitoring : 19-02-2022
Date of Sample Receipt : 22-02-2022
Date of Test : 22-02-2022
Sample Collected By : Vimal kumar yadav

RESULTS

S. No	Location	Water Level in Meters (BGL)
1	Open Well – Jodhraj Patel (Village - Daroli)	14.86
2	Open Well – Near Dharmraj Temple (Village - Daroli)	13.46
3	Open Well – Durgaramji (Village – Banjara ka Khera)	10.60
4	Open Well – Ramji (Village – Banjara ka Khera)	13.71

Note: -

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Belram Agarwal
Senior Analyst

Rajesh Maheshwari
Authorized Signatory



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Udaipur Cement Works Ltd.		
Project Address:	M/s Udaipur Cement Works Ltd., Village Daroli, Tehsil Vallabhnagar		
Village:	Daroli	Block:	Bhinder
District:	Udaipur	State:	Rajasthan
Pin Code:			
Communication Address:	Udaipur Cement Works Ltd., Shripatinagar, P.O. Cfa-313021, , Udaipur, Rajasthan - 313021		
Address of CGWB Regional Office :	Central Ground Water Board Western Region, 6-a, Jhalana Doongri, Jaipur, Rajasthan - 302004		

1.	NOC No.:	CGWA/NOC/IND/REN/2/2022/6673													
2.	Application No.:	21-4/211/RJ/IND/2007					3.	Category: (GWRE 2020)			Critical				
4.	Project Status:	Existing Ground Water					5.	NOC Type:			Renewal				
6.	Valid from:	22/04/2021					7.	Valid up to:			21/04/2024				
8.	Ground Water Abstraction Permitted:														
Fresh Water			Saline Water				Dewatering			Total					
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		m³/day		m³/year	
2525.00		833200.00													
9.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:10								Total Proposed No.:0							
		DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu		
Abstraction Structure*		0	0	0	10	0	0	0	0	0	0	0	0		
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
10.	Ground Water Abstraction/Restoration Charges paid (Rs.):							10907600.00							
11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.					No. of Piezometers		Monitoring Mechanism							
Manual								DWLR**		DWLR With Telemetry					
**DWLR - Digital Water Level Recorder					2		0		1		1				

(Compliance Conditions given overleaf)

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

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

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

Mandatory conditions:

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

General conditions:

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

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

0/C

UCWL UDAIPUR CEMENT
WORKS LIMITED

PLATINUM
HEAVY DUTY
CEMENT

UCWL/MIN/2021/M-232
25-Jan-2022

To

**The Director General of Mines Safety
Dhanbad (Jharkhand)**

**Attention :- Jt. Director of Mines Safety (Statistics)
Subject :- Annual Return in Form " T"**

Dear sir,

We are sending herewith the Annual Return in Form "T"
[Rule 29(P)(1)] for the year ending 31- December - **2021**

Thanking you

Yours faithfully
For Udaipur Cement works Ltd


Signature

Designation: Owner/agent/Manager
Daroli Limestone mines

Encl. :- as above

Cc to :-

DIRECTOR OF MINES SAFETY,
Sector-6, Hiran Magri,
Jhamarkotra Main Road ,
Bappa Rawal Nagar,
UDAIPUR (RAJ) 313 002

FORM T
{See Rule 29(P)(1)}

Annual Return For The Year Ending on 31- December-2021

- | | |
|---|--|
| 1 Name of the mine | - Daroli Limestone Mine |
| 2 Postal address of the mine | - PO-Daroli, Tehsil - Vallabh Nagar, Thana-
Dabok, Dist Udaipur(Raj) 313022 |
| 3 Date of opening | - April 18, 1969 |
| 4 Date of closing | - N. A. |
| 5 Situation of mine | - P.O. Daroli, Tehsil- Vallabh Nagar,
Distt. Udaipur (Raj) |
| 6 Name of Owner
Postal Address | - Shri N K Sharma
Shripatinagar,CFA, Dabok,
Udaipur -313021 |
| 7 Number of persons requird to be medically examined | - 20 Nos |
| 8 Number of persons medically examined | - 43 Nos |
| 9 Number of persons declared medically unfit | Nil |
| 10 Categorisation of persons declared medically unfit | N.A. |

Certified that the information given above is correct to the best of my knowledge.

Signature

25-Jan-2022

FORM 'O'

(See Rule 29 F (2) and 29 (D)
(To be issued in triplicate)

Certificate No.

Certify that **Shri** Mr. Dhawan Singh employed as -----

Form "B" Register Serial No-----

- --in Lakshmi cement Limestone Mine, has been examined on 1/1/2021 for an initial/periodical* medical examination. He appears to be 25 1/2 Year of age. The findings of the examining authority are given in the attached sheet. It is considered that **Shri**

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

(b) * is suffering from -----and
is medically unfit for-----

- (i) any employment in mine : or
- (ii) any employment below ground : or
- (iii) any employment or work

(c) * is suffering from -----and
should get this disability *cured/controlled and
should be again examined within a period of---months.

He will appear for re-examination with the result of test * and the opinion of specialist from -----

He may be permitted/not permitted* to carry on his duties during this period.

Signature of the Examination Authority
Name Dr. Pradip Lodha
Designation Chief Operating Officer
(in Block letter) Consultant
DCH

Place: udaypur
Date:

* Delete whatever not applicable.

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

FORM "O" (Contd.)

Report of the examining authority

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

Annexure to Certificate No.

As a result of Medical Examination on:..... Identification Mark.....

Left thumb impression of
the candidate

1. General development Good/Fair/Poor

2. Height 170 Cms.

3. Weight 57 Kgs.

4. Eyes:

(i) Visual acuity - Distant vision
(With or Without glasses)

Right eye Left eye N

* (ii) Any prganic disease of eyes NO

* (iii) Night blindness NO

iv) Colour blindness N

* (v) Squint

(* to be tested in special cases)

5. Ears:

(i) Hearing Right Ear.....N....., Left Ear.....N.....

(ii) Any organic disease

6. Respiratory System

Chest measurement

(i) After full inspiration93..... cms.

(ii) After full expiration88..... cms.

7. Circulatory system:

Blood pressure 135/92

Pulse 84

8. Abdomen:

Tenderness

Liver


Spleen

Tumour

NAD

9. Nervous system : NO
History of fits or epilepsy NO
Paralysis NO
Mental Health NO
10. Locomotor system NO
11. Skin NO
12. Hernia NO
13. Hydrocele NO
14. Any other abnormality
15. Urine
Reaction }
Albumin } report attached
Sugar }
16. Skiagram of chest - reports attached
17. Any other test considered necessary by the
examining authority.
18. Any opinion of specialists considered necessary.

Place:
Udaipur


Dr. Pradeep Lodha
BCH
Signature of the examining authority.
Chief Operating Officer
Consultant

4. Audiometry Findings.

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

Enclosed Audiometry Report.

5. Pathological/Microbiological Investigations :

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

6. Special Tests for Mn exposure.

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

7. Any other Special Test Required :

Signature of the Examination Authority.

Dr. Pradeep Lodha

DCH

Chief Operating Officer
Consultant

FORM 'O'

(See Rule 29 F (2) and 29 (D)
(To be issued in triplicate)

Certificate No.

Certify that **Shri Bhawami Singh** employed as **Helper**

Form "B" Register Serial No- **C-40**

- --in Lakshmi cement Limestone Mine, has been examined on **23 April** for an initial/periodical* medical examination. He appears to be **22yrs** Year of age. The findings of the examining authority are given in the attached sheet. It is considered that **Shri**

(a) ☒ is medically fit for any employment in mines, or

(b) * is suffering from -----and is medically unfit for-----

- (i) any employment in mine : or
- (ii) any employment below ground : or
- (iii) any employment or work

(c) * is suffering from -----and should get this disability *cured/controlled and should be again examined within a period of---months.

He will appear for re-examination with the result of test * and the opinion of specialist from -----

He may be permitted/not permitted* to carry on his duties during this period.

Dr. Pradeep Lodha
(MBBS)

C.O.C.
Reg. No.-17549

Signature of the Examination authority

Name

Designation

(in Block letter)

Place: **Udaipur**

Date: **23 April**

* Delete whatever not applicable.

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

no/no

FORM "O" (Contd.)

Report of the examining authority

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

Annexure to Certificate No.

As a result of Medical Examination on 23/4/17 Identification Mark

BLACK SPOT ON CHEST.

X ~~महान/सिंह~~
Left thumb impression of
the candidate

1. General development Good/Fair/Poor

2. Height 171 Cms.

3. Weight 51.2 Kgs.

4. Eyes:

(i) Visual acuity - Distant vision

(With or Without glasses)

Right eye 6/6 Left eye 6/6

* (ii) Any organic disease of eyes NO

* (iii) Night blindness NO

iv) Colour blindness NO

* (v) Squint NO

(* to be tested in special cases)

5. Ears:

(i) Hearing Right Ear N Left Ear N

(ii) Any organic disease

6. Respiratory System NAD

Chest measurement

(i) After full inspiration 82 cms.

(ii) After full expiration 87 cms.

7. Circulatory system: NAD

Blood pressure 130/80 mm Hg

Pulse 83/min

8. Abdomen:

Tenderness

Liver

Spleen

Tumour

Suprapubic NAD

9. Nervous system : *NAD*
History of fits or epilepsy *NO*
Paralysis *NO*
Mental Health *NO*

10. Locomotor system *NO*

11. Skin *NO*

12. Hernia *NO*

13. Hydrocele *NO*

14. Any other abnormality

15. Urine
Reaction
Albumin
Sugar

} Reports attached

16. Skiagram of chest

Reports attached

17. Any other test considered necessary by the
examining authority.

18. Any opinion of specialists considered necessary.

Place: *udaipur*

Dr. Pradeep Lodha
(MBBS)
[Signature]
C.O. *[Signature]*
Reg. No. - 17549
Signature of the examining authority.

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

Certificate No.

Name

Identification Marks :

Result of Lung Function Test (Spirometry) — WNL

Parameters	Predicted Value	Predicted Value	Performed Value	% of Predic
Forced Vital Capacity (FEV)	4.10 – 4.80 L.			
Forced Vital Capacity 1 (FEV) 1	3.73 – 3.96 L.			
FEV 1 / FVC	82 %			
Peak Expiratory Flow.	400 L / Minute			

Spirometry Report enclosed.

Dr. Pradeep Lodha
(MBBS)

C.O. 9
(eg. 10) 549

Signature of the Examination Authority.

Report of Medical Examination as per the recommendations of National Safety Conferences in Mines.

(To be used in continuation with Form O)

Certificate No.

Name

Identification Marks :

1. Cardiological Assessment

Auscultation	S1	N
	S2	
	Additional Sound	
Electrocardiograph (12 leads) finding:		Normal

Enclosed ECG WNL

2. Neurological Assessment :

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

3. ILO Classification of Chest Radiographs :

Profusion of Pneumoconiotic opacities	Grades	Types
Present/Absent		

Enclosed Chest Radiograph.

4. Audiometry Findings .

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

Enclosed Audiometry Report.

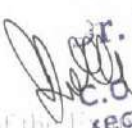
5. Pathological/Microbiological Investigations :-

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

6. Special Tests for Mn exposure.

Neurological Disturbances	Behavioral Disturbance	Present/Not Present
	Speech Defect	Present/Not Present
	Tremor	Present/Not Present
	Adiadicokinesia	Present/Not Present
	Emotional Changes	Present/Not Present

7. Any other Special Test Required :


Dr. Pradeep Lodha
 (MBBS)
 C.O.O.
 Signature of the Examination Authority. Reg. No.-17549



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400000380	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-02-2022
Point of Collection :	Near Pandu Mata Temple	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	210	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.13	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	9.86	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	24.73	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.27	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	65.01	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	3.8	IS 5182 : Part 26 : 2020	20.00

Notes :-

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- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

P. H. Yogi
Puran Mal Yogi

Rajesh Maheshw
Rajesh Maheshw



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RSPCB ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S) JDA/UDH

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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000380	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-02-2022
Point of Collection :	Near Pandu Mata Temple	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m ³]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m ³]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst
Anil Mal Yogi

Authorized Signatory
Rajesh Maheshwan
(Report No: 400000380)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400000379	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	<u>Ambient Air Quality Monitoring</u>	Date of Sample Collection/Monitoring :	15-02-2022
Point of Collection :	Near Rope Way Loading Point (OLBC)	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	320	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.12	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.11	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	42.72	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.22	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	71.2	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	5.5	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran
Puran Mal Yogi

Rajesh
Rajesh Maheshwan



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000379	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	15-02-2022
Point of Collection :	Near Rope Way Loading Point (OLBC)	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst

Mal Yogi

Rajesh Maheshwari
(Report No: 400000379)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400000381	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	15-02-2022
Point of Collection :	Near Mines Office	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	270	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	10.66	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	36.15	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.62	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	61.14	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	4.9	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh Manesh



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000381	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	15-02-2022
Point of Collection :	Near Mines Office	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

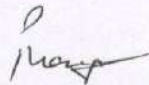
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00


Notes :-

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Senior Analyst


Anand Mal Yogi

Authorized Signatory


Rakesh Maheshwan

(Report No: 400000381)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400000382	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-02-2022
Point of Collection :	Near Daroli Tank	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Ammonia [microgram/m3]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m3]	250	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.12	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	10.92	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m3]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM2.5) [microgram/m3]	27.42	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.61	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	59.37	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m3]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m3]	3.2	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Rajesh

Mal Yogi

Rajesh
Rajesh Maheshw



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000382	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Mines
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	17-02-2022
Point of Collection :	Near Daroli Tank	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per National Ambient Air Quality Standard, 2009
1	Benzene [microgram/m3]	BDL (<1.0)	IS 5182 (Part 11) : 2012 RA 2017	5.00
2	Benzo-alfa- Pyrene [ng/m3]	BDL(<0.5)	CPCB Guidelines	1.00

Notes :-

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Senior Analyst
Puran Mal Yogi

Authorized Signatory
Rajesh Maheshwari
(Report No: 400000382)



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Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

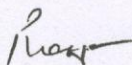
Report No./ULR No. :	TC502522600000243	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	17-02-2022
Point of Collection :	Near Daroli Tank	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing


RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	53.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	42.9	IS 9989	70

Notes :-

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Senior Analyst
Puran Mal Yogi


Authorized Signatory
Rajesh Maheshwan
(Report No: TC502522600000243)



TEAM TEST HOUSE
(Unit of Team Institute of Science & Technology Pvt. Ltd.)



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ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OH&S)

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TEST REPORT

Report No./ULR No. :	TC502522600000241	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	17-02-2022
Point of Collection :	NEar Pandu Mata Temple	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	53.9	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	41.2	IS 9989	70

Notes :-

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Rajesh Maheshwari
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TEST REPORT

Report No./ULR No. :	TC502522600000240	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	15-02-2022
Point of Collection :	Near Rope Way loading Crusher Station	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	58.6	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	50.8	IS 9989	70

Notes :-

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TEST REPORT

Report No./ULR No. :	TC502522600000242	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring ✓	Date of Sample Collection/Monitoring :	15-02-2022
Point of Collection :	Near Mine Office	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 28-02-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Noise Level (Day Time) : Leq [dB(A)]	56.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	46.1	IS 9989	70

Notes :-

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Purnan Mal Yogi
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TEST REPORT

Report No./ULR No. :	TC502522200000356	Date :	03-03-2022
Issued To :	M/S Udaipur Cement Works Ltd. Works: Shripatinagar, P.O. CFA -313021, Near Dabok,, Distt. Udaipur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Liquid Effluents	Date of Sample Collection/Monitoring :	19-02-2022
Point of Collection :	ETP Outlet (Treated Water) ✓	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 03-03-2022	Sampling Plan :	APHA 2017 : 1060
Quantity of Sample :	2 Ltr.	Sample Collected By :	Vimal Kumar Yadav
Unit's representative :	Mr Shiv Pratap Singh	Condition of Sample :	Fit for testing

RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Limits as per Environment protection rules, 1986
1	Total Suspended Solids [mg/l]	21	APHA.2017:2540-D	100
2	Biochemical Oxygen Demand (BOD) [mg/l]	8.8	APHA 2017:5210-B	30
3	Chemical Oxygen Demand (COD) [mg/l]	77.44	APHA:2017 : 5220-C	250
4	pH	7.87	APHA:2017 : 4500 H+B	5.5 - 9.0
5	Phosphate (total) as P [mg/l]	BDL (<0.1)	APHA 2017 : 4500-P C	5
6	Chromium Total [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	2.0
7	Copper [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	3.0
8	Iron [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	3.0
9	Zinc [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	5.0
10	Oil & Grease [mg/l]	4	APHA 2017 : 5520 B	10
11	Free available chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B	1.0

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