



Regd. A.D.

UCWL/ENV/2022-23/ 3082

28th May, 2022

The Dy. Director Scientist –“C”

Ministry of Environment, Forest and Climate Change,
Regional Officer , Aranya Bhawan, IInd Floor,
Jaipur 302004

Sub: Submission of six monthly compliance report of conditions of Environmental Clearance by M/s Udaipur Cement Works Ltd situated at Village- Shripatinagar, Tehsil- Mavli, Dist-Udaipur

Ref: Environmental Clearance F. No.: J-11011/807/2007 IA.II (I) dated 09/01/2008
Environmental Clearance F. No.: J-11011/807/2007-IA -II (I) dated 19.01.2021

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- 2022 to March 2022** of Integrated Cement Manufacturing Plant- M/s Udaipur Cement Work Limited, Shripati Nagar, CFA-Dabok, PIN-313022.

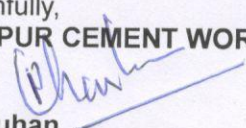
As per MoEF&CC Notification S.O.-585 dated 26.11.2018, we are submitting soft copy of the report to your good office through E-Mail-iro.jaipur-mefcc@gov.in

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 – QC)

Encl: As Above

CC:

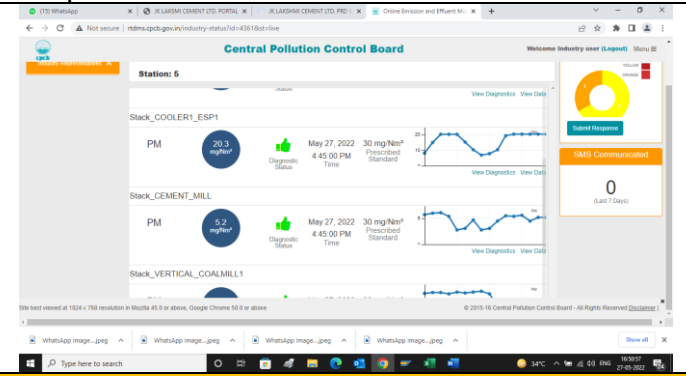
1. **The Member Secretary, Rajasthan State Pollution Control Board,- 4, Paryavaran Marg, Institutional Area, Jhalana Doongari, Jaipur, Rajasthan- 312004**
2. **Regional Officer, RSPCB-Udaipur- F-470, Near UCCI Bhavan, Madri Industrial Area, Udaipur (Rajasthan) - 313001**
Admin. Office: Nehru House, 4, Bahadur Shah Zafar Marg, New Delhi - 110002 | Phone: +91-11-66001142 / 66001112 |
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





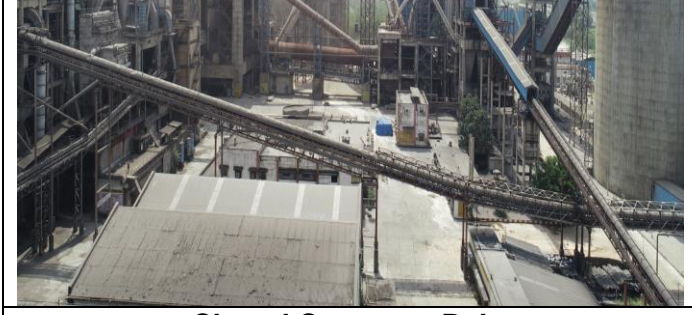
ENVIRONMENT CLEARANCE COMPLIANCE REPORT- CEMENT PLANT
(Oct-21 to March-22)

Name of Project	M/s Udaipur Cement Work Limited, Shri Pati Nagar, PO-CFA, Dabok-313022, District- Udaipur, Rajasthan
EC Letter No.-	J-11011/807/2007-IA -II (I) dated 09/01/2008
Compliance Period	Second Half Yearly (Oct-21 to March-22) Page 1 of 10

SPECIFIC CONDITIONS:



S.No	CONDITIONS	COMPLIANCE STATUS
1	Continuous on-line stack monitoring facilities for all the stacks and adequate air pollution control systems shall be provided to keep emissions levels below 50 mg/Nm ³ by installing adequate air pollution control system. On-line monitoring data shall be submitted to the Regional Office of the Ministry at Lucknow, RSPCB and CPCB regularly.	<p>Udaipur Cement Works Limited (UCWL) has installed Online Continuous emissions monitoring system (OCEMS) at all the process stacks and RTDMS data (PM, So₂ & Nox) has connected with RTDMS portal of Central Pollution Control Board (CPCB) and Rajasthan State Pollution Control Board (RSPCB) through dedicated servers (http://rtdms.cpcb.gov.in/industry-login & http://rspcboms.environment.rajjasthan.gov.in/ rspcb /main according to revised CEMS guideline-Aug 18</p> <p>Unit has installed latest art of technology pollution control equipment like Reverse Air Bag house (RABH) Bag House, Electrostatic precipitator (ESP) and Bags filters to keep the emission level below prescribed standards of 30 mg/Nm³.</p> <p>A CPCB RTDMS screen shot is displaying compliance</p>  <p style="text-align: center;">CPCB RTDMS Portal</p>
2	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points by concerning/asphalting the roads, providing atomized water spray system with reclaimer, covered stock pile for clinker storage and gypsum, storage of fly ash in silo, water sprinkling at limestone and coal handling area. Storage of other raw materials shall be in closed roof sheds. Covered conveyor belts shall be used to reduce	<p>UCWL have already been provided adequate bag filters to control fugitive dust emissions at various material transfer points. Area and roads inside the plant premises are Paved, Water sprinkling is being done at stacker and reclaimer. UCWL always ensures that raw materials are being stored under closed roof /sheds only. Covered conveyor belts have been provided to reduce fugitive emissions. water spray system at coal hopper area is also provided .</p> <p>(Please see the photographs)-</p>

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(Apr-2020 to September-2020)





	<p>fugitive emissions.</p>	<div data-bbox="815 147 1509 504">  </div> <div data-bbox="815 504 1509 555"> <p align="center">Pollution Controls Devices-Bag Filters</p> </div> <div data-bbox="815 555 1509 779">  </div> <div data-bbox="815 779 1509 824"> <p align="center">Paved/Concrete Road (Inside Plant-Premises)</p> </div> <div data-bbox="815 824 1509 1093">  </div> <div data-bbox="815 1093 1509 1144"> <p align="center">Covered Silo-Clinker, Cement & Flyash</p> </div> <div data-bbox="815 1144 1509 1473">  </div> <div data-bbox="815 1473 1509 1518"> <p align="center">Water Sprinkling through Water Tankers</p> </div> <div data-bbox="815 1518 1509 1832">  </div> <div data-bbox="815 1832 1509 1877"> <p align="center">Closed Conveyor Belts</p> </div>
<p align="center">3</p>	<p>Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by CPCB in this regard shall be followed.</p>	<p>Code of Practice issued by CPCB for control of fugitive emissions are regularly being followed by UCWL to control secondary fugitive emissions.</p>

ENVIRONMENT CLEARANCE COMPLIANCE REPORT- CEMENT PLANT

(Apr-2020 to September-2020)

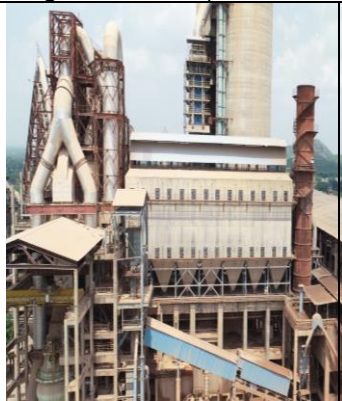

4	<p>Total water requirement from mine pit and bore well shall not exceed 2850 m³/day and prior permission from the State Ground Water Board/Central Ground Water Authority shall be obtained. All the treated waste water shall be recycled and reused in the process and other plant related activities i.e. cooling etc. Domestic effluent shall be treated in Sewage Treatment Plant (STP) and used for green belt development and dust suppression. 'Zero' discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.</p>	<p>Complying with. Udaipur Cement Works Ltd. (UCWL) meets its maximum water requirement through Mines pits (rain harvested water) & as per requirement basis consume ground water for which is under the approved quantity i.e 2850 m³/day, for which to monitor quantity, digital water meter has been installed at all abstracting structure and data is maintain in log book on daily basis.</p> <p>NOC for ground water withdrawal has been obtained from CGWA vide CGWA/NOC/IND/REN/2/2022/6673 on dated 18/2/2022 which will be valid up to 21.4.2024.</p> <p>The Cement Plant based on "Dry process technology", hence there is no effluent/waste water generation from cement plant process. The water only be used for mechanical cooling & spraying. The mechanical cooling water is being recirculate into the system.</p> <p>Domestic effluent is being treated in Sewage Treatment Plant (STP) and treated water is being used for green belt development. A treated water quality report is attached as Annexure-1 (Page-1)</p> <div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">STP-250 KLD</p>
5	<p>'Permission' for withdrawal of 2850 m³/day from bore wells shall be obtained from SGWB / CGWA / concerned Department.</p>	<p>NOC for ground water withdrawal has been obtained from CGWA vide NOC for ground water withdrawal has been obtained from CGWA vide CGWA/NOC/IND/REN/2/2022/6673 on dated 18/2/2022 which will be valid up to 21.4.2024.</p>
6	<p>Efforts shall be made to collect maximum fly ash from nearby Thermal Power Plants and use in the cement manufacturing. Fly ash shall be stored in ash silo. All the fly ash and dust generated from air pollution control equipment's shall be properly recycled and re utilized in the cement plant itself. STP sludge shall be used as manure for green belt development within the premises. Used oil shall be sold to the authorized recyclers / re-processors.</p>	<p>Complying with. Fly ash is being sourced from nearby Thermal Power Plants for cement (PPC) manufacturing. Dry fly ash is transported through closed bulkers and stored in fully closed weather proof fly ash silo which is equipped with bag filters. Dust generated/collected by air pollution control equipment is being properly recycled ensuring that dust from pollution control equipment is re-utilized into the plant. Sludge generated from STP is being utilize as manure for green belt development. Used oil is being disposed/sold to authorize recyclers only @ M/s Bharat Petro Oil, Ajmer (Authorized from RSPCB)</p>
7	<p>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land</p>	<p>UCWL has already been taken corrective measures to reduce impact raised due to transportation.</p> <ul style="list-style-type: none"> We ensures that raw materials and finished products transported only through fully

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		<p>covered trucks/tippers/bulkers.</p> <ul style="list-style-type: none"> • Internal transport roads have been paved to control fugitive emissions during vehicular movements. Greenbelt has been developed along the roads. • The closed bulkers are also being used for transportation of fly ash from outside sources and unloading is being done by the pneumatic system directly into the fly ash silo • Vehicle speed at inside the plant premises is Max. 20 km/hr
		 
		<p align="center">Concrete Truck Parking</p> <p align="center">closed bulkers</p>
		 <p align="right">Tarpaulin covered Trucks</p>
		 <p align="right">Vehicle speed sign board</p>
8	<p>High calorific hazardous waste shall be used as fuel in the cement kiln. Accordingly, provision shall be made in the kiln.</p>	<p>Agreed with. UCWL are using/co-processing permitted hazardous/ nonhazardous waste in our cement kiln. The necessary provisions have been done for the utilization of hazardous/non-hazardous waste. The Chemical Gypsum is being used as alternative raw material. The Waste Mix Liquid is being used as co-fuel in cement kiln. We have obtained the necessary permission/authorization from RSPCB/CPCB for the same.</p>
9	<p>As proposed green belt shall be developed in 53.41 ha. (33%) out of total 161.87 ha. land within and around the project site as per the CPCB guidelines in consultation with local DFO.</p>	<p>Noted, Development of Greenbelt is our ongoing process. At present. 55 ha. (33.98 %) area is covered under green belt (peripheral plantation) out of total 161.87 ha.</p>

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10	<p>'Permission' and recommendation of the State Forest Department regarding impact of proposed plant on surrounding reserve forests viz. Kantia P.F. (7 km SW), Panwari R.F. (9 km, SSW), Bara Mangra R.F. (9 km, SW), Nahar Mangra R.F. (2 km, ENE) shall be obtained and implemented.</p>	<p>The recommendation of the State Forest Department has been obtained by the DFO Udaipur office vide letter no.-एफ()सर्वे/उ व स-उत्तर/2019-20 / 4564 on dated- 2/8/2019.</p>
GENERAL CONDITIONS:		
1	<p>The project authority shall adhere to the stipulations made by Rajasthan State Pollution Control Board (RSPCB) and State Government.</p>	<p>Noted. Stipulations made by Rajasthan State Pollution Control Board (RSPCB) and State Government are being followed by UCWL.</p> <p>In this regard unit has taken CTO under Water & Air Acts was issued vide HO letter no. F(CPM)/Udaipur(Girwa)/9(1)/2013-2014/5784-5786 Dated-11/03/2020 for the period from 01.12.2019 to 30.11.2024 for Cement @ 2.85 MMTPA and Clinker @ 2.0 MMTP.</p>
2	<p>No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.</p>	<p>Noted. UCWL ensures that no further expansion or modification if the plant will be carried out without prior approval of the Ministry.</p>
3	<p>The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the RSPCB. At no time, particulate emissions from the cement plant including kiln, coal mill, cement mill, cooler shall be exceeded beyond the permissible limit. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.</p>	<p>We have taken appropriate action to maintain the emission level as per the applicable notified standards issued for cement plant by the notification 25/8/2014. For the control of gaseous emissions, provided low NOx burners at cement kiln & installed pollution control devices (Bag House/Bag filters/ ESP) to keep the particulate emission within the prescribed norms. & particulate matter emissions from various stack of the plant are well within the norms. UCWL has provided interlocking facility of the pollution control equipment with the operating process sections. UCWL</p> <p>The Stack Emission monitoring reports tested by NABL approved lab) is attached in Annexure- A2 (Page no- 1 to 5)</p> <div style="display: flex; justify-content: space-around;">   </div>
4	<p>Ambient air quality including ambient noise levels shall not exceed the standards stipulated under</p>	<p>The Ambient air quality & Noise levels are within the prescribed limit.</p>



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(Apr-2020 to September-2020)

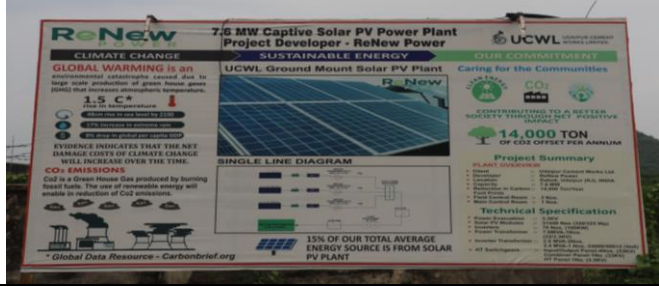
	<p>EPA or by the State Authorities. At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the RSPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Lucknow, RSPCB and CPCB once in six months. The instruments used for ambient air quality monitoring shall be calibrated time to time.</p>	<p>As per NAAQMS-2009 , periodic monitoring is being done from recognized NABL laboratories of Ambient air quality is being done at various identified locations and the data is regularly provided to the concerned authorities as part of compliance or other communications. The AQM-equipment used for Ambient Air Quality Monitoring are calibrated from time to time.</p> <p>The Air & Noise monitoring report monitored by NABL Labs are attached in Annexure-3 (Page no 1 to 8) & Annexure-4 (Page No 1 to 4)</p>
5	<p>Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.</p>	<p>The Cement Plant based on “Dry process technology”, hence there is no effluent/waste water generation from cement plant process. The water use for machinery cooling & process cooling.</p>
6	<p>The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1998 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>Complying with. Adequate noise control measures have been provided including acoustically room for compressor house; covered housing for turbine generators; silencer in cooler fans; Acoustic enclosure for D.G. sets; enclosure for noise generating equipment's/ areas etc.</p> <div data-bbox="821 1205 1513 1518" data-label="Image"> </div> <p>The regular checking/maintenance of the machineries are being done to reduce/control noise generation from/at the sources. All the personal protective equipments (i.e. earplug/ear muffs etc) have been provided to the all workers/employees. The Ambient noise level at plant boundary is being measured by NABL Approved Laboratory. The Monitored results is Attached in Annexure- 4 (Page no- 1 to 4)</p>
7	<p>Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and function and sputum analysis tests once in six months. Sufficient preventive measures</p>	<p>Good housekeeping is being practiced inside the plant premises. Appropriate PPEs and preventive measures are being used and practiced to avoid direct exposure to dust and noise. Health checkup is being conducting on regular basis as per prescribed intervals.</p>

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(Apr-2020 to September-2020)

	shall be adopted to avoid direct exposure to dust etc.	<p>Eye camp- UCWL in association with Unnati Sansthan conducted a free eye checkup camp at UCWL 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>Health Cap- 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 Nos of health checkup camps were conducted & treating around 328 patients. This initiatives is of great significance especially during challenging time of covid.</p>
8	The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water	<p>UCWL has constructed contour trenches, earthen check dams, recharge pits etc. to harvest the rainwater from the roof tops, open areas and storm drains to recharge the ground water although UCWL meet its maximum water requirement of surface collected rain water in mines pits.</p>  <p style="text-align: center;">Rooftop rainwater recharge structure</p>
9	The company shall undertake Eco-development measures including community welfare measures in the project area.	<p>UCWL has taken Eco-development measures including community welfare measures in the project area viz. tree plantation, supply of water to villagers, Medical checkup for villagers and center facility for colony residential as well as nearby villagers etc.</p> <p>Some activity is mentioned below.</p> <ol style="list-style-type: none"> 1. UCWL preserves for holistic development of local community by focusing on farm development. The program is amid at

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		<p>increasing incomes of farming community around operational area by introducing improved agriculture practices among the project participants. The program include soil testing, advisory service, providing fertilizers, seeds and capacity building resulting in improvement in agriculture activity.</p> <p>2. Further for capacity building of the farmer beneficiaries a pre-rabi workshop & farmers under the project was organized in the talai basti of mines lease village Mandesar;</p>
10	All the recommendations of the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be strictly followed.	<p>Recommendations of the Corporate Responsibility for Environment Protection (CREP) for cement plants have already been complied.</p> 
11	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP.	<p>UCWL is complying with all environmental protection measures and safeguards recommended in the EIA/EMP as per the details given below-</p> <ol style="list-style-type: none"> 1. Installation of pollution control measures before all major stacks i.e. Reverse Air Bag House (RABH) for Raw mill & kiln, Bag house for coal mill, ESP for cooler, Pulse Jet Bag Filters for cement mill to ensure the PM emission within norms. 2. Installation of bag filters at all material transfer points. 3. Covered storage for raw materials i.e. Clinker, Gypsum, Fly ash etc. 4. Covered conveyer belts to arrest fugitive dust. 5. Water spraying on haul roads. 6. Paved/cemented roads for transportation of vehicles. 7. Covered vehicles used for transportation of raw materials. 8. Treatment of domestic waste water in Sewage Treatment Plant (STP) and reuse of treated water in plantation and water spraying on haul roads. 9. Construction of artificial rainwater harvesting structures in plant, colony and mines area. 10. Recirculation of cooling water and leakage prevention by proper maintenance of the water supply system. 11. Installation of water meters for metering and monitoring of water receipt and consumption 12. Regular monitoring of noise level and corrective measures in concerned machinery accordingly. 13. Incorporating sound-proof enclosures for equipment and providing earplugs for operators working close to high noise generating sources. 14. Green belt development in plant and colony area. 15. Provided of Occupational Health Safety (OHS) gears like safety helmets, safety shoes and dust masks etc. to workers.

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(Apr-2020 to September-2020)

		<p>16. Maintaining good housekeeping in plant and colony area.</p> <p>17. Environmental Monitoring (Ambient air quality, water & wastewater quality, Noise level etc.) to check and control pollution as per the norms of regulatory agencies CPCB/SPCB/MoEF&CC etc.</p> <p>18. A dispensary has also been setup within colony area with medical testing facility is available like-blood test, PFT, audiometric test etc.</p>
12	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.	UCWL has separate Environment Management Cell to take care of monitoring and other issues related to environment under direct supervision/control of Senior Executive, Whole-time Director of the Company.
13	As mentioned in the EIA/EMP Rs. 43.05 and Rs. 3.50 Crores earmarked towards the capital cost and recurring cost/annum for environmental pollution control measures shall be used exclusively to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Ministry. The funds so provided shall not be diverted for any other purpose.	UCWL has kept the funds earmarked for environmental protection measures & which is being used exclusively to implement the conditions stipulated by MoEF as well as State Govt. This fund shall not be diverted for other purposes.
14	The Regional Office of this Ministry at Lucknow / CPCB / RSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Agreed with. The half yearly compliance report is regularly being submitted to the concerned authority & the soft copy of the compliance report also being sent by email (iro.jaipur-mefcc@gov.in & m_env@rediffmail.com) to concerned authorities. we have obtain the Certified Environmental Clearance Compliance Report from MoEF Regional Office (Central Region) Lucknow F.NO.IV/ENV /R/TH33-58308-393 dated-14/11/2019
15	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted, all the project work has been carried out within the existing premises of UCWL. No any additional land was used.
16	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Rajasthan State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environmental and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locally concerned and copy of the same shall be forwarded to the Regional Office at Lucknow.	Noted, UCWL had informed the public through advertisement in two local newspapers and the same was submitted to concern authority.


Udaipur Cement Work Limited

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(Oct-21 to March-22)

Name of Project	M/s Udaipur Cement Work Limited, Shri Pati Nagar, PO-CFA, Dabok-313022, District- Udaipur, Rajasthan
EC Letter No.-	J-11011/807/2007-IA -II (I) dated 19.01.2021
Compliance Period	Second Half Yearly (Oct-21 to March-22) Page 1 of 9

S. No.	Conditions	Compliance Status
	Specific Conditions	
1	The project proponent shall obtain the necessary permission from the competent authority concerned for drawl of groundwater before commencement of work.	UCWL has obtained NOC for abstraction of ground water from CGWA vide NOC No.: CGWA/NOC/IND/REN/2/2022/6673, Dated 18/02/2022. The copy of the NOC is attached in Annexure-A5 .
2	Dioxin/furan to be monitored by NABL accredited laboratory half yearly basis and report shall be furnished to the RO.	Agreed & will be comply accordingly. As the installation of cement plant is in under progress.
3	Stack emissions (PM) from all kilns shall not exceed 30 mg/Nm ³ .	
4	Green belt shall be developed in an area of 59 ha of the total plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Noted, Development of Greenbelt is our ongoing process. At present. 55 ha. (33.98 %) area is covered under green belt (peripheral plantation) out of total 161.87 ha.
5	Action plan to address the issues raised during public hearing shall be implemented and compliance status shall be furnished to the RO on six monthly basis.	Action plan to address the issue raised during (Env monitoring and management, pollution control in respect to noise, air, occupational health, jobs and sustainable employment, infrastructure development , Medial & health , water supply line works , development of green belt development in nearby villages (school, hospital and institutions) are under planning and the same shall be execute soon.
6	Public Health Centers shall be established in villages, Daroli, Dabok. Modi, Khemli, Nandbel and Dhunimata in consultation with local administration.	<p>To address the of health issues of the villagers, UCWL is presently organizing health check-up surveillance program regularly</p> <p><u>Health Camp</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 Nos of health checkup camps were conducted & treating around 328 patients. This initiative is of great significance especially during challenging time of covid.</p> <p><u>Eye camp</u>- UCWL in association with Unnati Sansthan conducted a free eye checkup camp primarily for dumpers driver & labors . This camp</p>

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		<p>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> 
7	PTFE (or) equivalent bags shall be used in filter bag house and designed for 150% of normal design air flow.	Agreed & PTFE (or) equivalent bags shall be used in filter bag house which will be designed for 150% of normal design air flow.
8	PP shall use ultra low NOx burner with three stage combustion, flue gas recirculation and auto combustion control system.	Noted, UCWL will install ultra low NOx burner as per three stage combustion along with flue gas recirculation and auto combustion control system.
9	FGD system for SOx Control shall be used.	Not applicable. At yet we are establishing only cement plant.
General Conditions		
I	Statutory compliance:	
i	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations etc. as may be applicable to the project.	Noted. As applicable unit has been obtained CTE under Water & Air Acts, which was issued vide RSPCB letter no. F(CPM)/Udaipur(Girwa)/9(1)/2013-2014/1611-1613 dated- 28/07/2021 for the period from 13/02/2021 to 31/01/2026.
i	Air quality monitoring and preservation	
A	The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986	Agreed with, UCWL shall be install CEMS at process stacks & comply accordingly. However, UCWL is in progress to install Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed.


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(Oct-21 to March-22)

		as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
	ii	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.	Noted, UCWL will be comply accordingly.
	iii	The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.	Noted, UCWL will be comply accordingly.
	iv	Ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; use closed bulkers for carrying fly ash.	Noted & shall be comply with & ensure the providing of covered conveying system to prevent spillage and dust generation.
	v	Provide wind shelter fence and chemical spraying on the raw material stock piles.	Noted, UCWL will be provide wind shelter on the raw material stock piles.
	vi	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.	Noted, UCWL will be make arrangement to reduce impact of the transport on the surrounding environment.
	vii	Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, cement bagging plants.	Noted, UCWL will ensure to arrange ventilation system at all the designated places.
III	Water quality monitoring and preservation		
	i	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25 th August, 2014 (Cement) and subsequent amendment dated 9 th May 2016 (Cement) and 10 th May 2016 (in case of Co-Processing Cement) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time)	Noted, UCWL will be provide 24x7 continuous effluent monitoring system at WHRS system and meet the prescribed norms.

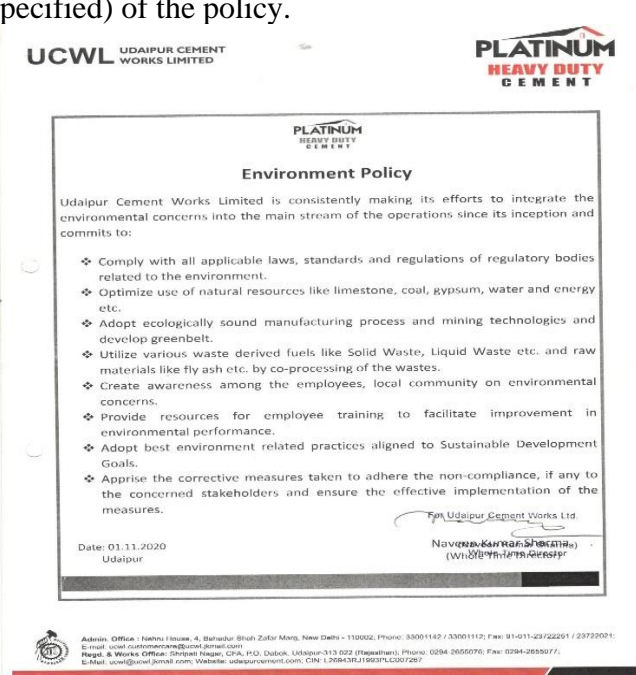
ENVIRONMENT CLEARANCE COMPLIANCE REPORT- CEMENT PLANT
(Oct-21 to March-22)

		and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act 1986 or NABL accredited laboratories.	
	ii	The project proponent shall regularly monitor ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act. 1986 and NABL accredited laboratories.	Complying with, we are testing quality of ground water through NABL approved lab as per prescribed frequency. The monitoring report is attached in Annexure-A6
	iii	Adhere to 'Zero Liquid Discharge'.	Noted, UCWL will be comply accordingly.
	iv	Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.	Domestic effluent is being treated in Sewage Treatment Plant (STP). A treated water quality report is attached as Annexure-A1
	E	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	Noted, UCWL will ensure & make arrangement to arrest the run-off in the event of heavy rains at each stock pile.
	F	Water meters shall be provided at the inlet to all unit processes in the cement plant.	Noted, UCWL will be comply accordingly.
	G	The project proponent shall make efforts to minimise water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Noted, UCWL will make effort to use recycled treated water to minimise water consumption.
IV	Noise monitoring and prevention		
	1	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation And Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noted, UCWL will be measures noise quality and shall be submit report as a part of six-monthly compliance report.
14	Energy Conservation measures		
	1	Waste heat recovery system shall be provided for kiln and cooler.	Noted, UCWL will be install WHRS and recover waste heat received from kiln and cooler.
	ii	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona	Noted, UCWL will be monitor power consumption & maintain accordingly

ENVIRONMENT CLEARANCE COMPLIANCE REPORT- CEMENT PLANT
(Oct-21 to March-22)

		Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.	
	iii	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	UCWL installed Solar power plant within the premises & utilize green power in common area of the premises. 
	iv	Provide the project proponent for LED lights in their offices and residential areas.	For power savings, LED lights have been provided in the offices and streetlights.
	v	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.	Noted, UCWL will be comply accordingly.
	vi	Maximize utilization of alternate fuels and Co-processing to achieve best practice.	Noted, UCWL will be comply accordingly.
VI	Waste management		
	A	Used refractories shall be recycled as far as possible.	Noted, UCWL will be comply accordingly.
	B	Kitchen waste shall be composted or converted to biogas for further use.	Yes, Kitchen waste is being composting & in use for horticulture development.
VII	Green Belt		
	i	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Noted, UCWL will be comply accordingly.
VIII	Public hearing and Human health issues		
	i	Emergency preparedness plan based on the hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Noted, UCWL will be prepare Emergency preparedness plan & Disaster Management Plan shall be implemented.
	ii	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	Noted, UCWL will be analysis of heat stress for the workmen who work in high temperature

ENVIRONMENT CLEARANCE COMPLIANCE REPORT- CEMENT PLANT
(Oct-21 to March-22)

	iii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Complying with , schedule occupational health surveillance program is being conducting in our dispensary on six monthly basis & the record is being maintained accordingly.
XI	Corporate Environment Responsibility		
	i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.	UCWL will follow the provision made in the OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.
	ii	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholder's / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	UCWL always adhered to implement content (as specified) of the policy. 
	iii	A separate Environmental Cell both at the project and company head quarter level with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	UCWL has separate Environment Management Cell to take care of monitoring and other issues related to environment under direct supervision/control of Senior Executive, Whole-time Director of the Company.
X	Miscellaneous		
	i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	The Environmental Clearance is available in UCWL Website & under the page - https://udaipurcement.com/environment/ along with conditions.

ENVIRONMENT CLEARANCE COMPLIANCE REPORT- CEMENT PLANT
(Oct-21 to March-22)

B	The copies of environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats, Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	The copies of environmental clearance has been submitted to suggested government offices.
C	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	The compliance status of the environmental clearance has been uploaded at the UCWL website under the page- https://udaipurcement.com/environment/ along with monitored Env. Data.
D	The project proponent shall monitor the criteria pollutants level namely: PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	The monitoring of the Ambient Air (PM10, SO2, NOx) & stack emission is being done by NABL approved lab. The same is attached in Annexure- For display the analyzed result for disclosure to the public, a display board 6 X 4 provided at main gate & this result are available in the compliance report at UCWL website under the page- https://udaipurcement.com/environment/
E	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment Forest and Climate Change at environment clearance portal.	Complying with, We are submitting compliance report as per prescribed frequency.
F	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently and put on the website of the company.	Noted, UCWL will be comply accordingly and submit Form-V.
G	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Noted.
H	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report commitment made	Noted & to be comply per action plan.

ENVIRONMENT CLEARANCE COMPLIANCE REPORT- CEMENT PLANT
(Oct-21 to March-22)

		during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	
	I	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted. UCWL will not expand the plant without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
	J	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
	K	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed with
	L	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted
	M	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the offices (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Agreed with
	N	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.



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TEST REPORT

Report No./ULR No. :	TC502522200000355	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 :	STP 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]	16	APHA.2017:2540-D	100
2	Ammonical Nitrogen as N [mg/l]	1.02	APHA 2017 : 4500-NH3 C	50
3	Biochemical Oxygen Demand (BOD) [mg/l]	4.57	APHA 2017:5210-B	30
4	Chloride as Cl [mg/l]	293.53	APHA 2017 : 4500- Cl- B	-
5	Chemical Oxygen Demand (COD) [mg/l]	35.2	APHA:2017 : 5220-C	250
6	pH	7.31	APHA:2017 : 4500 H+B	5.5 - 9.0
7	Sulphide as S [mg/l]	BDL(<0.1)	APHA. 2017 : 4500-S2-F	2
8	Oil & Grease [mg/l]	3	APHA 2017 : 5520 B	10
9	Total Residual Chlorine [mg/l]	BDL (<0.1)	APHA 2017 : 4500- Cl- B	1.0
10	Nitrate as NO3 [mg/l]	28.31	APHA 2017 : 4500-NO3- B	50

Notes :-

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

Sunil
Sunil Kumar
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: TC502522200000355)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No.	500000371	Date :	11-04-2022
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 :	Stack Emission Level	Date of Sample Collection/Monitoring :	28-03-2022
Point of Collection :	Coal Mill Outlet Stack	Date of Receipt :	30-03-2022
Date of Test/Analysis :	30-03-2022 to 11-04-2022	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
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	Particulate matter [mg/Nm ³]	13.71	IS 11255 (Part 1):1985 Reaffirmed 2014	30

Notes :-

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 500000371)



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TEST REPORT

Report No.	500000370	Date :	11-04-2022
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 :	Stack Emission Level	Date of Sample Collection/Monitori ng :	28-03-2022
Point of Collection :	Kiln/Raw Mill VRM Stack	Date of Receipt :	30-03-202
Date of Test/Analysis :	30-03-2022 to 11-04-2022	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
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	Particulate matter [mg/Nm3]	16.37	IS 11255 (Part 1):1985 Reaffirmed 2014	30
2	Sulphur Dioxide [mg/Nm3]	23	IS 11255(Part 2):1985 Reaffirmed 2014	-
3	Oxides of Nitrogen [mg/Nm3]	457	IS 11255 (Part 7):1985 Redffirmed 2012	-

Notes :-

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Senior Analyst

Rajesh Maheshwan
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(Report No: 500000370)



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TEST REPORT

Report No./ULR No. :	TC502522500000198	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 :	Stack Emission Level	Date of Sample Collection/Monitoring :	16-02-2022
Point of Collection :	Cement Mill - 01 Stack Outlet	Date of Receipt :	24-02-2022
Date of Test/Analysis :	24-02-2022 to 28-02-2022	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
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	Particulate matter [mg/Nm ³]	15.42	IS 11255 (Part 1):1985 Reaffirmed 2014	30

Notes :-

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Senior Analyst
Puran Mal Yogi

Authorized Signatory
Rajesh Maheshwari
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TEST REPORT

Report No./ULR No. :	TC502522500000199	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 :	Stack Emission Level	Date of Sample Collection/Monitoring :	15-02-2022
Point of Collection :	Clinker Cooler Stack	Date of Receipt :	24-02-2022
Date of Test/Analysis :	24-02-2022 to 28-02-2022	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
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	Particulate matter [mg/Nm ³]	21.23	IS 11255 (Part 1):1985 Reaffirmed 2014	30

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Puran Mal Yogi

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TEST REPORT

Report No./ULR No. :	TC502522500000201	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 :	Stack Emission Level	Date of Sample Collection/Monitoring :	16-02-2022
Point of Collection :	Cement Mill 2 Stack	Date of Receipt :	24-02-2022
Date of Test/Analysis :	24-02-2022 to 28-02-2022	Sampling Plan :	IS 11255:2008(Part 3)RA 2018
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	Particulate matter [mg/Nm ³]	17.66	IS 11255 (Part 1):1985 Reaffirmed 2014	30

Notes :-

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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400000375	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 :	14-02-2022
Point of Collection :	Near Weigh Bridge (Loco Shed)	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 24-02-2022	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]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	12.14	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]	38.12	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	6.07	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM-10) [microgram/m3]	72.93	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]	3.9	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh Maheshwar



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TEST REPORT

Report No./ULR No. :	400000375	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 :	14-02-2022
Point of Collection :	Near Weigh Bridge (Loco Shed)	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 24-02-2022	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
Puran Mal Yogi

Rajesh Maheshwari
Rajesh Maheshwari
(Report No: 400000375)



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Email : director@teamtesthouse.com,
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TEST REPORT

Report No./ULR No. :	TC502522400000376	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 :	14-02-2022
Point of Collection :	Near Packing Plant	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 25-02-2022	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]	360	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.16	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.76	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]	41.61	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.41	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	76.55	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]	8.2	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh Maheshwari



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TEST REPORT

Report No./ULR No. :	400000376	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 :	14-02-2022
Point of Collection :	Near Packing Plant	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 25-02-2022	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
Puran Mal Yogi

Rajesh Maheshwan
Rajesh Maheshwan
Authorized Signatory
(Report No: 400000376)



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TEST REPORT

Report No./ULR No. :	TC502522400000377	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 :	14-02-2022
Point of Collection :	Near ADM Building	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 25-02-2022	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]	330	JTH/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]	10.21	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]	33.88	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.83	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	63.74	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	IS 5182 : Part 26 : 2020	20.00

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Puran
Puran Mal Yogi

Rajesh
Rajesh Maheshwan



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400000377	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 :	14-02-2022
Point of Collection :	Near ADM Building	Date of Receipt :	22-02-2022
Date of Test/Analysis :	22-02-2022 to 25-02-2022	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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Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: 400000377)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522400000378	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 :	14-02-2022
Point of Collection :	Near Guest House	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/m ³]	BDL (<10.0)	IS 5182 (Part 25) : 2018	400.00
2	Carbon Monoxide [microgram/m ³]	360	TTH/AAQM/08	4000
3	Lead [microgram/m ³]	0.13	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	10.58	IS 5182 (Part 6) : 2006 Reaffirmed 2017	80.00
5	Ozone [microgram/m ³]	BDL (<20.0)	APHA 1977, Part 819	100.00
6	Particulate Matter (PM _{2.5}) [microgram/m ³]	35.42	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m ³]	3.74	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM ₁₀) [microgram/m ³]	66.72	IS 5182 (Part 23)-2006 RA 2017	100.00
9	Arsenic [ng/m ³]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	6.00
10	Nickel [ng/m ³]	5.1	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran
Puran Mal Yogi

Rajesh
Rajesh Maheshwan



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TEST REPORT

Report No./ULR No. :	400000378	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 :	14-02-2022
Point of Collection :	Near Guest House	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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Signature
Sensory Analyst
Manoj Mal Yogi

Signature
Rajesh Maheshwan
Authorized Signatory
(Report No: 400000378)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502522600000238	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 :	14-02-2022
Point of Collection :	Near Admin Building	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)]	61.4	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	54.8	IS 9989	70

Notes :-

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Senior Analyst
Purnan Mal Yogi

Authorized Signatory
(Report No: TC502522600000238)



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

TEST REPORT

Report No./ULR No. :	TC502522600000239	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 :	14-02-2022
Point of Collection :	Near Guest House	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)]	60.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	53.7	IS 9989	70

Notes :-

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Senior Analyst

Puran Mal Yogi

Rajesh Maheshwan
Authorized Signatory

(Report No: TC502522600000239)



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

TEST REPORT

Report No./ULR No. :	TC502522600000237	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 :	14-02-2022
Point of Collection :	Near Packing Plant	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)]	69.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	61.3	IS 9989	70

Notes :-

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Pravin Mal Yogi
Senior Analyst

Rajesh Maheshwari
(Report No: TC502522600000237)



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Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

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 :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
- # 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.
- # The samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.

Senior Analyst
Pran Mal Yogi

Authorized Signatory
Rajesh Maheshwan
(Report No: TC502522600000240)



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:

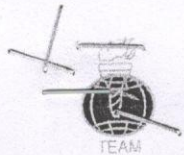
Mandatory conditions:

- 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.)



TEAM TEST HOUSE

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



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ISO 9001:2015

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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100001259	Date :	21-07-2021
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 :	29-06-2021
Point of Collection :	Colony Tank (Borewell)	Date of Receipt :	30-06-2021
Date of Test/Analysis :	30-06-2021 to 21-07-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr 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	7.70	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
6	Hardness (total) [mg/l]	465.35	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
7	Iron [mg/l]	BDL(<0.01)	IS 3025 (Part 53) : 2003 RA 2019	0.3	-
8	Chloride [mg/l]	308.56	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00

Note:

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Rajesh Manesiwala



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RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
10	Calcium [mg/l]	104	IS 3025 (Part 40) : 1991 RA 2014	75.00	200.00
11	Magnesium [mg/l]	21.87	IS 3025 (Part 46) : 1994 RA 2014	30.00	100.00
12	Copper [mg/l]	BDL(<0.01)	IS 3025 (Part 42) : 1992 RA 2014	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]	83	IS 3025 (Part 24) : 1986 RA 2014	200.00	400.00
15	Nitrate [mg/l]	28.6	IS 3025 (Part 34) : 1988 RA 2014	45.00	-
16	Fluoride [mg/l]	0.93	IS 3025 (Part 60) : 2008 RA 2013	1.00	1.50
17	Cadmium [mg/l]	BDL(<0.001)	IS 3025 (Part 41) : 1992 RA 2014	0.003	-
18	Arsenic [mg/l]	BDL(<0.001)	IS 3025 (Part 37) : 1988 RA 2014	0.01	-
19	Lead [mg/l]	BDL(<0.01)	IS 3025 (Part 47) : 1994 RA 2014	0.01	-
20	Zinc [mg/l]	0.12	IS 3025 (Part 49) : 1994 RA 2014	5.00	15.00
21	Alkalinity - T [mg/l]	250	IS 3025 (Part 23) : 1986 RA 2014	200.00	600.00
22	Aluminum [mg/l]	BDL(<0.01)	IS 3025 (Part 55) : 2003 RA 2014	0.03	0.2
23	Boron [mg/l]	0.35	IS 13428 (Annexure H)	0.5	1.0
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 2014	0.001	-
26	Polynuclear aromatic Hydrocarbon [mg/l]	BDL(<0.0001)	APHA 2017 : 6440 B	0.0001	-
27	Phenolic Compound [mg/l]	BDL(<0.001)	IS 3025 (Part 43) : 1992 RA 2014	0.001	-

Note:

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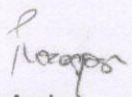
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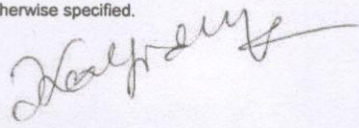
RESULTS

S.No	Parameters	Observed Value	Testing Protocol	Requirement (Acceptable Limit) as per IS 10500 : 2012	Standard Permissible limits in the absence of Alternate Sources as per IS 10500 : 2012
28	Mineral oil [mg/l]	BDL(<0.5)	IS 3025 (Part 39) : 1991 RA 2014	0.5	-
29	Cyanide [mg/l]	BDL(<0.01)	IS 3025 (Part 27) : 1986 RA 2014	0.05	-
30	Calcium Hardness [mg/l]	260	IS 3025 (Part 40) : 1991 RA 2014	-	-
31	Residual Chlorine [mg/l]	BDL(<0.1)	IS 3025 (Part 26) : 1986 RA 2014	0.2	1.0
32	Pesticides [mg/l]	Not Detected	APHA : 2017	-	-
33	Anionic Surface Detergents as MBA's [mg/l]	BDL(<0.1)	IS 13428 (Annexure K)	0.20	1.00
34	Total coliform [MPN/100ml]	BDL	IS 5401 (Part 2) : 2012	-	-
35	E. Coli [MPN/100ml]	BDL	IS 5887 (Part 1) : 1976 RA 2013	-	-
36	Selenium [mg/l]	BDL(<0.01)	APHA :2017 :3111- B	0.01	-

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Senior Analyst


Authorized Signatory
(Report No: UCWLW/1201)