

To,

The Deputy Director(S) /Scientist –C,
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office, Aranya Bhawan, Room No. A-209&218,
Institutional Area, Jhalana Doogari, Jaipur (Rajasthan)-302004

Subject: Six monthly compliance report of Environmental Clearance for Lime stone Mine (M.L-II), M.L.No.03/94 Area 635.00 Hect. At near village–Kherwar ,Rupasar, & Didiyakelan, Tehsil and Dist.Nagaur (Raj.) M/s. Ambuja Cement Ltd. Unit : Marwar Mundwa for the period of **Oct-21 to Mar-22.**

Ref.: MOEF& CC, New Delhi letter No.: - J-11015/422/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J- Vide letter no. no. J-11015/422/2005.IA.II (M) dated 28.03.2017.

Dear Sir,

This has reference to above subject matter & environmental Clearance Letter. We are herewith submitting the point wise six monthly compliance report along with monitoring data for the period from Oct-2021 to Mar-2022. As per MoEF & CC notification no. S.O. 5845(E) dated 26.11.2018 the soft copy has been send to e-mail id roc.z.lko-mef@nic.in, iro.jaipur-mefcc@gov.in, member-secretary@rpcb.nic.in, cpcb.bhopal@gmail.com, ccb.cpcb@nic.in , for kind reference and record please.

We hope that your good self will find the above in order.

Thanking You,
Yours faithfully,

For Ambuja Cements Ltd.(Unit: Marwar)



Hamendra Singh Rathore
(Unit Head)

Encl.: A/A & Soft copy

Copy to:

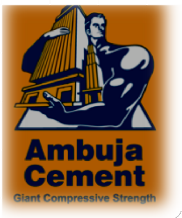
1. The Additional Director(S), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, Pin. 110003 (India).
2. Regional Director (Central Zone), Central Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal, Madhya Pradesh- 462016
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-CUM office complex, East Arjun Nagar, Near Dr. Hedgewar Hospital, Shahdara- Behind Karkarduma high court, New Delhi 110032.
4. Member Secretary, Rajasthan State Pollution Control Board' 4th, Institutional Area, Jhalana Doogari, Jaipur (Raj) - 302004.

**AMBUJA CEMENTS LTD.
UNIT-MARWAR MUNDWA**

Tehsil & District - Nagaur (Rajasthan)-341 026, Phone : 01584-283027, Email uhd.marwarmundwa@ambujacement.com

(Regd. Office: P.O. Ambujanagar-362 715, Taluka – Kodinar, Dist. Gir-Somnath, Gujarat)

CIN L26942GJ1981PLC004717



Ambuja Cement

HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE LETTER NO.

J-11015/422/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J- Vide letter no. no. J-11015/422/2005.IA.II (M) dated 28.03.2017.

Period: Oct-2021 to March-2022

For

Lime stone Mine (M.L.-II), M.L.No.03/94 Area 635.00 Hect. At near village-Kherwar ,Rupasar, & Didiyakelan, Tehsil and Dist.Nagaur (Raj.)

Submitted to:

MoEF&CC, New Delhi & Integrated Regional Office, Jaipur,
Central Pollution Control Board, New Delhi & Bhopal
Rajasthan State Pollution Control Board, Jaipur

Ambuja
Cement

Submitted by:

M/s Ambuja Cement Ltd., Unit : Marwar-Mundwa,
Post & Tehsil: Mundwa, District: Rajasthan (Raj)



Ambuja Cement

Validity of the statutory approvals obtained in compliance of EC:

Environmental Clearance issued by Ministry of Environment, Forest and Climate Change for Lime stone Mine (M.L-II), M.L.No.03/94 Area 635.00 Hect. At near village-Kherwar ,Rupasar, & Didiyakelan,Tehsil and Dist.Nagaur (Raj.) J-11015/422/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J- Vide letter no. no. J-11015/422/2005.IA.II (M) dated 28.03.2017.

Consent to Establish has been obtained under Air and Water Act for Lime stone mines (ML-II) vide letter no. F(Mines)/Nagaur(Nagaur)/4072(1)/2019-2020/3807-3811, Order No: 2019-2020/Mines/10004,date; 17/01/2020.

Consent to Operate has been obtained under Air and Water act for Lime stone mines (ML-II) vide letter no. F(Mines)/Nagaur(Nagaur)/4072(1)/2019-2020/2832-2836 ,order no. 2020-2021/Mines/10175, Dated 15/09/2020 valid till 31/08/2025.

Ambuja
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Ambuja Cement Ltd. Unit : Marwar-Mundwa,Nagaur (Raj)

Six monthly Compliance report of EC for Lime stone Mine **(M.L.-II)**, M.L.No.03/94 Area 635.00 Hect. At near village–Kherwar ,Rupasar, & Didiyakelan,Tehsil and Dist.Nagaur (Raj.) for the period From October-2021 to March-2022 .

Refe. Letter from MOEF& CC, New Delhi No.: - - J-11015/422/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J- Vide letter no. no. J-11015/422/2005.IA.II (M) dated 28.03.2017.

S.No.	Condition	Status
(A) Specific Conditions		
(i)	All the conditioned stipulated by the State Pollution Control Board in their NOC should be effectively implemented.	<p>Consent to Establish has been obtained under Air and Water Act for Lime stone mines (ML-II) vide letter no. F(Mines)/Nagaur(Nagaur)/4072(1)/2019-2020/3807-3811, Order No: 2019-2020/Mines/10004,date; 17/01/2020.</p> <p>Consent to Operate has been obtained under Air and Water act for Lime stone mines (ML-II) vide letter no. F(Mines)/Nagaur(Nagaur)/4072(1)/2019-2020/2832-2836 ,order no. 2020-2021/Mines/10175, Dated 15/09/2020 valid till 31/08/2025.</p>
(ii)	Mining shall not intersect ground water. The mine working shall be restricted to above ground water table. Prior approval of the MOEF and CGWA shall be obtain for mining below water table.	<p>Complied, The mine working is above the groundwater table and as per the proposed mining plan the water table will not be intersected. The general ground level is at 330 m RL. Present working depth of mine is 324 m RL and ultimate working depth of mine will be 280 m RL. The water table in the core zone varies from 245 to 250 (post monsoon) m RL.</p> <p>Hence, mine working will be restricted to above ground water table & the groundwater table will not be intersected.</p>
(iii)	Topsoil, if any, shall be stacked with proper slope at with adequate measures and should be used for reclamation and rehabilitate on of mined out areas.	Complied, The mine is having outcropping deposit of limestone and therefore no Topsoil have been encountered. Since the commissioning of mine i.e., on 18.09.2020, The outcrop has been excavated from the 0.66 Ha area.

		No Topsoil has been encountered yet.
(iv)	The waste generated during the initial six years shall be temporarily dumped externally and finally backfilled in the mined-out area. There shall be no permanent external OB Dump left created at the end of the mine life. Concurrent backfilling should start from the seventh year onwards. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forest on six monthly basis.	Agreed for compliance, The mining activity has been started recently and since the commissioning of mine i.e., on 18.09.2020, Total 0.66 ha has been excavated from the outcrops. No Waste has been encountered yet.
(v)	<p>Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working, temporary OB dump, soil and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. the drains should be regularly desilted, particularly after monsoon and maintained properly.</p> <p>Garland drain of (size, gradient and length) shall be constructed for both mine pit and temporary dumps 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 silt material. Sedimentation pits should be constructed at the corners of the garland drains</p>	<p>Agreed for compliance, The mine is in its initial development phase and having outcropping limestone deposit. As the production has commenced recently and only outcropped limestone has been excavated there are no dumps on the lease area. The OB generation will start in the year 2025 which will dump in Waste Dump. To arrest the silt and sediment flow, the retaining wall of length 255 m and Garland Drain of length 170 m is proposed in the year 2025-26.</p> <p>The water so collected will be utilized for watering the mine area, roads, green belt development etc.</p>

	and desilted at regular intervals.	
(vi)	Dimension of the retaining wall at the toe of temporary dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.	Agreed for compliance
(vii)	Water sprinkling system should be provided to check fugitive emissions from ancillary operations such as crushing and screening plant.	<p>Complied, there is no crusher present in the ML area. The limestone of ML-II is crushed in the crusher located in ML-I. The Efficient water sprinkling system & bag filter is provided installed at crushing site to control the fugitive emission.</p> 
(viii)	Plantation shall be raised in an area of 203.76 ha including a green belt of adequate width around ML area, roads, reclaimed area, around water reservoir etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1000 plants per hectare.	<p>Being Complied, The mine has been commissioned recently in September 2021 and it was observed during the inspection that efforts have been made for plantation within the lease area and about 8000 plants have been planted in an area of 4.0 Ha with 85 % survival rate.</p> <p>Local species are being planted after consultation with local forest officer and as per CPCB/SPCB guidelines. i.e. Neem, Conocarpus, Pipal, Gulmohar and Shisham.</p> <p>PHOTOGRAPHS OF PLANTATION</p>



<p>(ix)</p>	<p>Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around the project area in consultation with Regional Director, Central Ground water Board. The frequency of monitoring should be four times a year – pre-monsoon (April / May), monsoon (August), post-monsoon (November), and Winter (January). Data thus collected should be sent at regular intervals to the Ministry of Environment & Forest and its Regional office, Lucknow, Central Ground water Authority and Central Ground water Board, Western Region Jaipur.</p>	<p>Ground water level and quality monitoring carried out by NABL accredited laboratory, in four times a year – pre-monsoon (April / May), monsoon (August), post-monsoon (November), and Winter (January) for core zone & as well as buffer zone.</p> <p>Ground water quality & level report enclosed as Annexure-1.</p>
<p>(x)</p>	<p>Suitable conservation measures to augment groundwater resources in the area shall be planted and implemented in consultation with Regional Director, Central Ground water Board.</p>	<p>In consultation with CGWB has completed 2417 roof Rainwater Harvesting structures, 163 water storage tanks and reviving of 140 ponds in and around the project site. Company has received NATIONAL WATER AWARD by Ministry of Jal Shakti for outstanding work done in Over Exploited Areas. It was appraised by unit representative that the PP has been certified as "Six times water positive" after water audit.</p> <div style="display: flex; justify-content: space-around;">   </div>


(xi) Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground water Board.


Complied, The PP, In consultation with CGWB has completed 2417 roof Rainwater Harvesting structures, 163 water storage tanks and reviving of 140 ponds in and around the project site. Company has received NATIONAL WATER AWARD by Ministry of Jal Shakti for outstanding work done in Over Exploited Areas. It was appraised by unit representative that the PP has been certified as "Six times water positive" after water audit.

Water Conservation Initiatives By ACL




(xii)	Prier Permission from the competent authority shall be obtained for drawl of ground water.	Being complied, There is no abstraction of Groundwater. The requirement of water is met from the Matasukh Lignite Mines of RSMM Ltd. after treatment with ZLD.
(xiii)	Blasting operation should be carried out only during daytime. Controlled should be practiced. The mitigate measures for control of ground vibration and to arrest fly rocks and boulders should be implemented.	<p>Complied, Controlled Blasting is practiced with delay pattern of each hole, use of NONEL etc Bottom initiation is also being, The blasting operation is being carried out in day time only.</p> <ul style="list-style-type: none"> ➤ Controlled blasting is done in accordance with study and recommendation of CIMFR. ➤ Ground Vibrations of each blast is measured with Seismograph and records are kept in soft copy. Latest NONEL delay technology is used to control the fly rock and boulders. <p>Vibration monitoring report enclosed as Annexure-2.</p>
(xiv)	Drills should be wet operated or operated with dust extractors.	<p>Being Complied, During inspection it was observed that PP is using latest Drilling Machines (Sandvik DX 800 i) which are equipped with Dust Collector System and water injection system.</p> <p>Drilling With Both Water Injection And Dust Collector System (DCT)</p>

		
(xv)	<p>Vehicular emission should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.</p>	<p>Tippers engaged in the mines are periodically checked, vehicular emissions are kept under permissible limits. The tippers are not loaded above the rated capacity. Copy of PUC is enclosed as Annexure -3.</p>
(xvi)	<p>Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment & Forest and its Regional office.</p>	<p>Complied, Digital processing of the entire lease area using remote sensing technique has been done by CompuSense Automation, Ahmedabad in October, 2019.</p>
(xvii)	<p>Consent to operate should be obtained from SPCB before starting the production from the mine.</p>	<p>Consent to Operate (CTO) has been obtained from the Rajasthan State Pollution Control Board vide letter no. MLI:(Mines)/Nagaur/4072(1)/2019-2020/2827-2831 Dated 15/09/2020.</p>

(xviii)	Sewage treatment plant should be installed for colony. ETP should also be provided for workshop and wastewater generated from mining operations.	<p>Being Complied, Well efficient STP establish in colony. There is no office in the ML-II. Domestic sewage generated being disposed through septic tank followed by soak pit and waste water generated from the work shop will be reuse in HEMM washing after treated from ETP (5 KLD) present in ML-I.</p> <p style="text-align: center;">Photograph of STP in colony.</p> 
(xix)	The project authorities should undertake sample survey to generate data on pre- project community health status within a radius of 1 Km from proposed mine.	<p>Complied, We have submitted the Social Impact assessment survey including pre-project community health status analysis carried out by ERM India</p> <p>Major health related points are referred as:</p> <ul style="list-style-type: none"> ➤ For minor illnesses like cold, cough, fever, and small injuries PAFs tend ➤ Seeking to visit the local PHCs, mostly the one at Mundwa. ➤ For major diseases like malaria, typhoid, or that involving operations, PAFs tend to visit the private clinics in vicinity or private hospitals at Nagaur. ➤ Some of the common illnesses amongst the PAFs are minor issues such as cold and cough. However, a significant share of population from the study area is engaged in substance abuse. <p>Moreover, there is negligence towards women's health as observed</p>

		amongst the PAFs.
(xx)	The voids created at the end of mining shall be converted into water body with shallow depths. The slope of higher benches of the excavated void/mine pit shall be made gentler and duly terraced for easy accessibility for local people to use reservoir water. Peripheral fencing shall be carried out along the excavated area.	Agreed for compliance, We have proposed to convert the mined out area to the water reservoir after the life of mine .
(xxi)	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 approvals.	Agreed for compliance, The lease is valid up to 04.05.2057. ACL assure that final mine closure plan along with the details of Corpus Fund will be submitted to the Ministry, 5 years in advance of Final closure plan for approval. It has been stated that a bank guarantee of Rs. 145 Lakh was already (BG. No. No. 0544BGR0071017 dated 08.11.2021 valid up to 31.03.2027) submitted to IBM as Financial Assurance.
B. General Conditions :		

i.	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forest.	Complied, No change in mining technology and scope of working
ii.	No change in the calendar plan including excavation, quantum of limestone and waste should be made.	Complied, Mining operations are being carried out as per the approved mining plan
iii.	Conservation measures for protection of flora and fauna in the core & buffer zone should be drawn up in consultation with the local forest and wildlife department.	<p>Being Complied, For protection of flora and fauna, we have developed water bodies and conducted biodiversity awareness campaign in consultation with state forest department. Further, The ponds of Inana and Mundwa have been renovated for perennial water availability for local species. also, the plantation has been done by ACL in consultation with the local forest and Wildlife Department.</p> 

सेवा में

श्रीमान उप वन संरक्षक,

नागौर

दिनांक 21/08/2014

विषय :- हरित राजस्थान कार्यक्रम 2014 के अन्तर्गत पोषायापण की सुचना
भिजवाने के सम्बन्ध में।

महोदयजी,

आपके पत्र क्रमांक एफ विकास/उवस/2014-15/5113-37 दिनांक
12/08/2014 के संदर्भ में लेख है कि अम्बुजा सीमेन्ट फाउण्डेशन ने वर्ष
2014-15 के अन्तर्गत विभिन्न प्रकार के धायादार, फलदार व सजावटी पौधे नागौर
व मुण्डवा खान के आस-पास के क्षेत्रों में लगाये गये और वितरण किये गये।
जिसका विवरण निचे दी गयी तालिका में है।

पौधे का नाम	संख्या	पौधे का नाम	संख्या	पौधे का नाम	संख्या
नेम	5750	कनेर	10	खेजड़ी	500
श्रीशम	1400	बोगन बेल	20	फलदार पौधे	1610
पिपल	50	अलस्तोनिया	20		
नीम्बू	1500	अमलतास	20		
शीलपत्र	150	फायक्स	20		
		वेन्जीविना			

अतः इस प्रकार अम्बुजा सीमेन्ट फाउण्डेशन के द्वारा दिनांक 21 अगस्त 2014 तक
कुल 11050 पौधे लगाये।

Recd
21/8/14

धन्यवाद।

[Signature]

कार्यक्रम प्रदायक

अम्बुजा सीमेन्ट फाउण्डेशन

Ambuja Cement Foundation

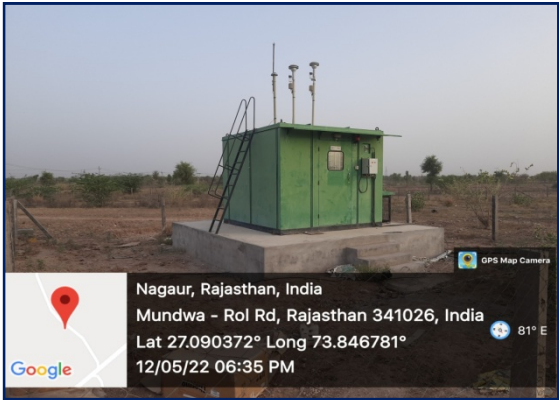
Plot, Railway Station, RAJWARA, MUNDWA, Dist. Nagaur, RAJASTHAN

Ph: 01562-269565, 01562-269566

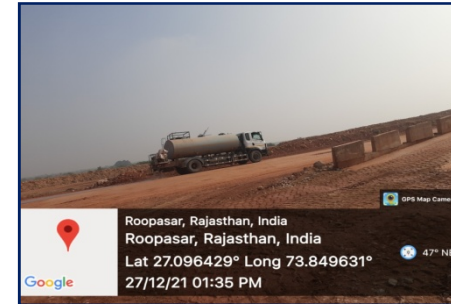
E-mail: ambujafoundation@gmail.com

Website: www.ambujafoundation.org

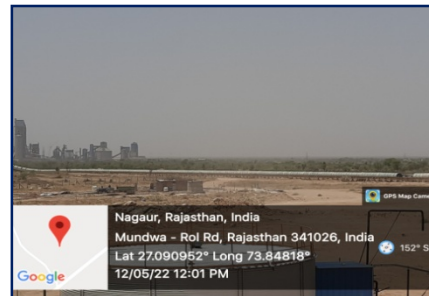
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<p>iv.</p>	<p>Four ambient air quality - monitoring stations should be established in the core zone as well as buffer zone for RPM, SPM, SO₂ and NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.</p> <p>Data on ambient air quality (RPM, SPM, SO₂ and 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 month.</p>	<p>Complied, We have established 4 Ambient air quality monitoring stations & one CAAQMS core zone as well buffer zone.</p> <p>Ambient Air Quality monitoring stations are set and monitoring it is being carried for all the parameters and results are regularly submitted to the Ministry including its Regional office and the State Pollution Control Board/Central Pollution Control Board once in six months.</p> <p>In-house monitoring data enclosed as Annexure-4.</p> <p>Third party monitoring by NABL accredited lab of ambient air quality monitoring report of period Oct-21 to Mar-22 enclosed as Annexure-5.</p> <p>Photographs of CAAQMS :</p> 
<p>v.</p>	<p>Fugitive dust emissions from all the source should be controlled regularly. Water spraying arrangements on haul roads, loading & unloading and at transfer points should be provided and properly maintained.</p>	<p>Complied, Arrangement of water sprinkling on main haulage road, loading unloading points have been provided & also having wet drilling system in the drill machines.</p> <ul style="list-style-type: none"> ➤ Wet drilling & Dust Collector System (DCT) are being used for during the drilling operation.

- Water is spraying on the haul roads to minimize the dust emission.



- Water spraying arrangement on haul roads, loading and unloading and at transfer points are provided and properly maintained.
- OLBC installed closed by metal sheet & high efficient bag filter installed at material transfer point:
- Bag filter installed at material transfer point



vi.	<p>Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operation of HEMM etc. should be provided with ear plugs/ muffs.</p>	<p>Complied, Necessary steps have been taken for abatement of noise at source. Workers working in the noise area have been provided with ear muffs/plugs. PP has submitted the noise monitoring reports from external laboratory.</p> <ul style="list-style-type: none"> ➤ Personal protection equipment provided to all to utilize where high noise environment, to reduce the exposure of noise levels. ➤ Controlled blasting is being adopted. ➤ Proper maintenance, oiling and greasing of machines at regular intervals is being done to reduce generation of noise. ➤ Adequate silencers with AC cabins is being provided in Heavy Earth Moving Machines. <p>We carried out noise level monitoring on monthly basis & third party monitoring carried out on quarterly basis by NABL accredited lab. Report enclosed as Annexure-6.</p>																					
vii.	<p>Industrial wastewater (workshop and waste water from the mine) should 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. Oil and grease trap should be installed before discharge of workshop effluents.</p>	<p>Complied, No waste water generating during mining operation and workshop waste water is collected in pit and reuse in vehicle washing after treatment.</p>																					
viii.	<p>Personal 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>Being Complied, Workers have been provided with PPE, necessary training to the workmen is being provided in accordance with the various mining legislations & regular health checkups of all the employees are being conducted as per the norms .Medical examination details :</p> <table border="1" data-bbox="976 1177 1942 1416"> <thead> <tr> <th>S/N</th> <th>EXAMINATION</th> <th>NUMBER OF BENEFICIARY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AUDIOMETRY</td> <td>45</td> </tr> <tr> <td>2</td> <td>SPIROMETRY</td> <td>23</td> </tr> <tr> <td>3</td> <td>EYE TESTING</td> <td>47</td> </tr> <tr> <td>4</td> <td>X-RAY (CHEST)</td> <td>45</td> </tr> <tr> <td>5</td> <td>LAB INVESTIGATION</td> <td>45</td> </tr> <tr> <td>6</td> <td>PERIODICAL MEDICAL EXAMINATION</td> <td>59</td> </tr> </tbody> </table>	S/N	EXAMINATION	NUMBER OF BENEFICIARY	1	AUDIOMETRY	45	2	SPIROMETRY	23	3	EYE TESTING	47	4	X-RAY (CHEST)	45	5	LAB INVESTIGATION	45	6	PERIODICAL MEDICAL EXAMINATION	59
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6	PERIODICAL MEDICAL EXAMINATION	59																					

ix.	A separate environmental management cell with suitable qualified personnel should be setup under the control of Senior Executive, who will report directly to the head of organization.	Complied, Well established environment management cell under the control of senior executives.														
x.	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.	<p>Adequate funds have been earmarked for the environment protection measures and details of expenditure cost for control measures for pollution for plant & mine for period Oct-21 to Mar-22.</p> <table border="1" data-bbox="1003 496 1927 911"> <thead> <tr> <th data-bbox="1003 496 1717 557">_Head under which Amount spent</th> <th data-bbox="1717 496 1927 557">Amount spent in Lakhs</th> </tr> </thead> <tbody> <tr> <td data-bbox="1003 557 1717 613">Pollution Control Devices Maintenance Cost & Power Cost</td> <td data-bbox="1717 557 1927 613">985.47</td> </tr> <tr> <td data-bbox="1003 613 1717 675">Pollution Monitoring & Analysis (New Equipment, Calibration, Consumables items & Chemicals)</td> <td data-bbox="1717 613 1927 675">228.291</td> </tr> <tr> <td data-bbox="1003 675 1717 732">Green Belt Development</td> <td data-bbox="1717 675 1927 732">22.429</td> </tr> <tr> <td data-bbox="1003 732 1717 789">Environment Consultancy</td> <td data-bbox="1717 732 1927 789">14.313</td> </tr> <tr> <td data-bbox="1003 789 1717 846">Consent Fee for CTE/CTO /Renewal of CTO & Water charges</td> <td data-bbox="1717 789 1927 846">6.587</td> </tr> <tr> <td data-bbox="1003 846 1717 911">Total amount</td> <td data-bbox="1717 846 1927 911">1257.09</td> </tr> </tbody> </table>	_Head under which Amount spent	Amount spent in Lakhs	Pollution Control Devices Maintenance Cost & Power Cost	985.47	Pollution Monitoring & Analysis (New Equipment, Calibration, Consumables items & Chemicals)	228.291	Green Belt Development	22.429	Environment Consultancy	14.313	Consent Fee for CTE/CTO /Renewal of CTO & Water charges	6.587	Total amount	1257.09
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Total amount	1257.09															
xi.	The Regional Office of this Ministry located at Lucknow shall monitor compliance of stipulated conditioned. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Complying with														
xii.	The project authorities should inform to the Regional Office located at Lucknow regarding date of financially closures and final approval of the project by the concerned authorities and the date of start of land development work.	Agreed for compliance														

xiii.	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, was received while processing the proposal.	Reported to be complied.
xiv.	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office / Tehsildar's office for 30 days.	ACL has requested the Regional officer SPCB, Collector, Tehsildar and DIC to display the clearance for 30 days on 1st Feb, 2007.
xv.	The Project authorities should be advertised at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the date of issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of 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.	Complied. PP submitted the clippings of newspaper to Regional Office of MoEF& CC .ACL has given the advertisement on 24.01.2007- in Rajasthan Patrika and Dainik Bhaskar newspaper as required by Ministry. A copy of advertisement is enclosed. The copy of EC has also been submitted to Regional Office of Ministry located at Lucknow on 1 st Feb, 2007.
xvi.	The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment & Forest, its Regional office, Lucknow, Central State Pollution Control Board and State Pollution Control Board.	Complying with
3.	The Ministry or any other competent authority may alter/modify the above condition or stipulate any further condition for environment protection.	Agreed

4.	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provision of Environmental (protection) Act,1986	Agreed
5.	The above condition will be enforced, inter- alia, under the provision of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment Protection Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendment and rules made thereunder and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Rajasthan of the subject matter.	Agreed

Authority Signatory



Hamendra Singh Rathore

(Unit Head)



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TEST REPORT

Report No.	Ambuja/W/ 21-113	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Bhandana Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	6.95	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	397.00	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	423.00	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1698.00	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	72.30	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	32.40	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	0.82	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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
9	Alkalinity - T [mg/l]	378.00	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	290.40	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	472.00	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	2.90	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Purni Mal Yogi
Senior Analyst


K.N. Mukhopadhyay
Authorized Signatory
(Report No: Ambuja/W/ 21-113)



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TEST REPORT

Report No.	Ambuja/W/ 21-114	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Innana Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.74	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	370.37	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	308	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1420	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	81.48	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	16.80	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	1.01	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	523.80	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	278.00	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	387.00	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	2.40	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Senior Analyst
Puran Mal Yogi


K.N. MUKHOPADHYAY
Authorized Signatory
(Report No: Ambuja/W/ 21-114)



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TEST REPORT

Report No.	Ambuja/W/ 21-115	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Kharda Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.10	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	385.00	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	305.80	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1498	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	14.81	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	20.25	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	0.49	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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
9	Alkalinity - T [mg/l]	486.00	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	275.00	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	485.00	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	3.90	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Sanjay Mal Yogi
Senior Analyst

K.N. MUKHOPADHYAY
Authorized Signatory
(Report No: Ambuja/W/ 21-115)



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TEST REPORT

Report No.	Ambuja/W/ 21-116	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Soliyana Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.26	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	335.00	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	234.50	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1523.00	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	22.22	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	15.75	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	0.65	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

Note:

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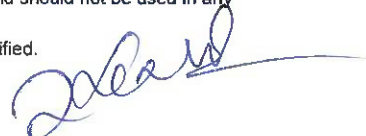
RESULTS

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	Alkalinity - T [mg/l]	533.50	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	282.00	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	440.00	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	3.42	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Purni Mal Yogi
Senior Analyst


K.N. Mukhophadyay
Authorized Signatory
(Report No: Ambuja/W/ 21-116)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	TC502521100002130	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Soliyana Village GW - 2	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	161.6	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.26	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	138.89	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	234.5	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1523	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	22.22	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	15.75	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	4.44	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	533.5	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	55.55	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	440	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	2	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502521100002130)



TEAM TEST HOUSE

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



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

TEST REPORT

Report No./ULR No. :	TC502521100002131	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Tausar Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	3.6	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.31	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	92.59	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	22.97	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Chloride [mg/l]	22.97	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
6	Total Dissolved Solids [mg/l]	178	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
7	Calcium [mg/l]	25.93	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
8	Magnesium [mg/l]	6.75	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]	0.70	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50
10	Alkalinity - T [mg/l]	81.48	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
11	Calcium Hardness [mg/l]	64.82	IS 3025 (Part 40) : 1991 RA 2019	-	-
12	Sodium [mg/l]	22.5	IS 3025 (Part 45) : 1993 RA 2019	-	-
13	Potassium [mg/l]	4.0	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory

(Report No: TC502521100002131)



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TEST REPORT

Report No./ULR No. :	TC502521100002132	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Roopsar Village (GW)	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.36	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	518.52	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	1158.15	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	3466	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	103.7	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	63	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	3.46	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	446.2	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	259.25	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	1150	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	4.0	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
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TEST REPORT

Report No./ULR No. :	TC502521100002133	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Kharda Village GW -5	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.89	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	120.37	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	445.07	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1762	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	14.81	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	20.25	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	2.27	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	417.1	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	37.02	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Calcium Hardness [mg/l]	37.02	IS 3025 (Part 40) : 1991 RA 2019	-	-
12	Sodium [mg/l]	485	IS 3025 (Part 45) : 1993 RA 2019	-	-
13	Potassium [mg/l]	2.0	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: TC502521100002133)



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TEST REPORT

Report No./ULR No. :	TC502521100002134	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Khen Village GW-6	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.84	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	92.59	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	282.36	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1619	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	13.33	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	14.4	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	4.16	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	620.8	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	33.32	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	490	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	1.6	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Rajesh
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TEST REPORT

Report No./ULR No. :	TC502521100002135	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Bhadana Village GW -7	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	6.95	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	1240.74	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	2230.16	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	6695	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	274.07	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	135	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	2.67	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

Note:

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Signature



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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	Alkalinity - T [mg/l]	310.4	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	685.17	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	1850	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	6.4	IS 3025 (Part 45) : 1993 RA 2019	-	-

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TEST REPORT

Report No./ULR No. :	TC502521100002136	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Mundwa Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.98	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	72.22	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	11.49	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	124	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	22.22	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
8	Fluoride [mg/l]	0.47	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	77.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	55.55	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	12.5	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	5.2	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521100002136)



TEAM TEST HOUSE

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



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TEST REPORT

Report No./ULR No. :	TC502521100002137	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Inana Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.74	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	370.37	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	593.43	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	2829	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	81.48	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	40.5	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	3.82	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	523.8	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	203.7	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	950	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	2.4	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram Agarwal
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TEST REPORT

Report No./ULR No. :	TC502521100002138	Date :	03-11-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Deediya Kalam Village GW	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 03-11-2021	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2 Ltr.	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.74	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	444.44	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	909.29	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	2623	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	111.11	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	40.5	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	2.42	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	368.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	277.77	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	700	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	4.4	IS 3025 (Part 45) : 1993 RA 2019	-	-

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TEST REPORT

Report No./ULR No. :	TC502522100000480	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Khen Village GW-6	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.06	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	108.74	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	327.84	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1785	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	21.75	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	13.21	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	4.35	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	627.2	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	54.36	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	662.5	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	2.2	IS 3025 (Part 45) : 1993 RA 2019	-	-

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TEST REPORT

Report No./ULR No. :	TC502522100000481	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Bhadana Village GW -7	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	6.93	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	1029.13	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	2073.12	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	5571	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	217.48	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	117.95	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	2.52	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	313.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	543.7	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	1475	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	5.8	IS 3025 (Part 45) : 1993 RA 2019	-	-

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TEST REPORT

Report No./ULR No. :	TC502522100000482	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Mundwa Village GW	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.72	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	112.62	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	31.82	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	219	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	34.17	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Manganese [mg/l]	BDL(<0.01)	IS 3025 (Part 59) : 2006 RA 2017	0.1	0.3
8	Fluoride [mg/l]	0.58	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	101.92	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	85.43	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	21	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	3.8	IS 3025 (Part 45) : 1993 RA 2019	-	-

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TEST REPORT

Report No./ULR No. :	TC502522100000483	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Inana Village GW	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.70	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	349.51	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	554.44	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	2871	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	62.14	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	47.18	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	3.98	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	486.08	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	155.35	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	850	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	3	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502522100000483)



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TEST REPORT

Report No./ULR No. :	TC502522100000484	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Deediya Kalam Village GW	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.49	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	873.79	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	2217.75	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	5914	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	178.64	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	103.8	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	2.31	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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
9	Alkalinity - T [mg/l]	294	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	446.56	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	1450	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	6	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwan
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TEST REPORT

Report No./ULR No. :	TC502522100000488	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	14-03-2022
Point of Collection :	Plant Site GW-1	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.51	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	31.07	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	48.21	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	235	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	7.77	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	2.83	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	0.63	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	90.16	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	19.41	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	60	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	5.6	IS 3025 (Part 45) : 1993 RA 2019	-	-

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TEST REPORT

Report No./ULR No. :	TC502522100000489	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Soliyana Village GW - 2	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL (<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.42	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	77.67	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	221.78	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1181	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	15.53	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	9.44	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	4.13	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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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	Alkalinity - T [mg/l]	380.24	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	38.83	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	250	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	2.2	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Senior Analyst


Rajesh Maheshwan
Authorized Signatory
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TEST REPORT

Report No./ULR No. :	TC502522100000490	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Tausar Village GW	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	8.35	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	100.97	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	241.06	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1245	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	17.09	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	14.15	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	3.42	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	297.92	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	42.71	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	260	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	5.8	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram Agarwal
Senior Analyst

Rajesh
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TEST REPORT

Report No./ULR No. :	TC502522100000491	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Roopsar Village (GW)	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.58	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	485.44	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	1325.83	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	3905	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	93.2	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	61.34	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	3.85	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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	Alkalinity - T [mg/l]	470.4	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	232.99	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	900	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	4.4	IS 3025 (Part 45) : 1993 RA 2019	-	-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwan
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TEST REPORT

Report No./ULR No. :	TC502522100000492	Date :	02-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Potable and Domestic Water	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Kharda Village GW -5	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 02-04-2022	Sampling Plan :	IS 3025:1987(Part 1)RA 2014
Quantity of Sample :	2ltr.	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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	Turbidity [NTU]	BDL(<0.1)	IS 3025 (Part 10) : 1984 RA 2017	1.00	5.00
2	pH	7.51	IS 3025 (Part 11) : 1983 RA 2017	6.50 - 8.50	-
3	Hardness (total) [mg/l]	116.5	IS 3025 (Part 21) : 2009 RA 2019	200.00	600.00
4	Chloride [mg/l]	289.27	IS 3025 (Part 32) : 1988 RA 2019	250.00	1000.00
5	Total Dissolved Solids [mg/l]	1673	IS 3025 (Part 16) : 1984 RA 2017	500.00	2000.00
6	Calcium [mg/l]	23.3	IS 3025 (Part 40) : 1991 RA 2019	75.00	200.00
7	Magnesium [mg/l]	14.15	IS 3025 (Part 46) : 1994 RA 2019	30.00	100.00
8	Fluoride [mg/l]	2.45	IS 3025 (Part 60) : 2008 RA 2019	1.00	1.50

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
9	Alkalinity - T [mg/l]	509.6	IS 3025 (Part 23) : 1986 RA 2019	200.00	600.00
10	Calcium Hardness [mg/l]	58.24	IS 3025 (Part 40) : 1991 RA 2019	-	-
11	Sodium [mg/l]	475	IS 3025 (Part 45) : 1993 RA 2019	-	-
12	Potassium [mg/l]	2.4	IS 3025 (Part 45) : 1993 RA 2019	-	-

Notes :-

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- # 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

(Report No: TC502522100000492)



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,
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 : WL/Plant/01
Date : 29.10.2021
Issued to : M/S Ambuja Cement Limited
(Unit – Marwar Mundwa)
PO & Tehsil Marwar Mundwa, District - Nagaur
(Rajasthan),
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement
Date of Measurement : 16.10.2021
Date of Receipt : 20.10.2021
Water Level Measured By : Banwari Lal Kumawat

RESULTS

S.No	Location	Water Level in Meters BGL
1	Plant Site	68.4
2	Soliyana Village	78.2
3	Tausar Village	85.4
4	Roopsar Village	70.5
5	Kharda Village	69.5
6	Khen Village	64.2
7	Bhadana Village	84.6
8	Mundwa Village	95.2
9	Inana Village	64.8
10	Deediya Kalan Village	68.2

Note: -

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Balram

Senior Analyst

Balram Agarwal

Rajesh

Authorized Signatory
(Report No:WL/Plant/01)

Rajesh Maheshwar



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Sitapura, Jaipur - 302022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT


Report No : WL/Plant/121
Date : 21.01.2022
Issued to : M/S Ambuja Cement Limited
(Unit – Marwar Mundwa)
PO & Tehsil Marwar Mundwa, District - Nagaur
(Rajasthan),
Type of Unit : Cement Plant
Type of Sample : Water Level Measurement
Date of Measurement : 18.01.2022
Date of Receipt : 19.01.2022
Water Level Measured By : Banwari Lal Kumawat


RESULTS

S.No	Location	Water Level in Meters BGL
1	Plant Site	70.8
2	Soliyana Village	79.4
3	Tausar Village	86
4	Roopsar Village	72.3
5	Kharda Village	71.4
6	Khen Village	69.3
7	Bhadana Village	85.5
8	Mundwa Village	95.8
9	Inana Village	67.3
10	Deediya Kalan Village	69.5

Note: -

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Senior Analyst
Balram Agarwal


Authorized Signatory
(Report No:WL/Plant/121)
Rajesh Maheshwari

ANNEXURE-2

Record: 10149202202051416500234.proevt
 Number: 234
 Seismograph: Mini-Seis III Pro 10149
 Type of Record: Waveform
 Date: 2/5/2022 2:16:50 PM
 Duration: 5.00 Seconds
 Sample Rate: 1024
 Pre-Trigger: 1 Seconds
 Seismic Trigger: 1.4 mm/s
 Acoustic Trigger: 130.0 dB
 Seismic Gain: 260.096
 Acoustic Gain: 148.2 dB
 Voltage: 6.18

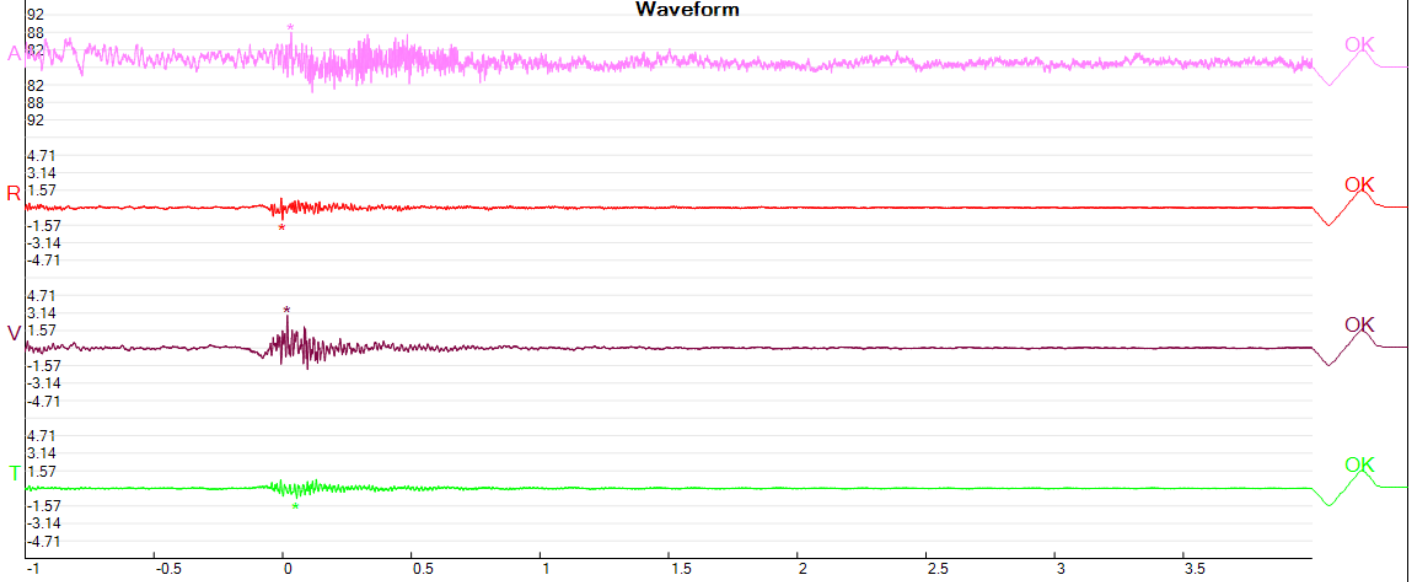
Peaks and Frequencies

PPV Maximum (Geo #1): 3.14 mm/s
 Acoustic #1: 88.0 dB @ 30.1 Hz (0.03320313 s)
 Radial #1: 1.14 mm/s @ 73.1 Hz (0 s)
 Vertical #1: 3.14 mm/s @ 51.2 Hz (0.01855469 s)
 Transverse #1: 1.02 mm/s @ 46.5 Hz (0.0546875 s)
 Displacement (Geo #1): 0.0415 mm
 Acceleration (Geo #1): 1.38E+03 mm/sec/sec
 Last Calibration Date: 9/1/2021

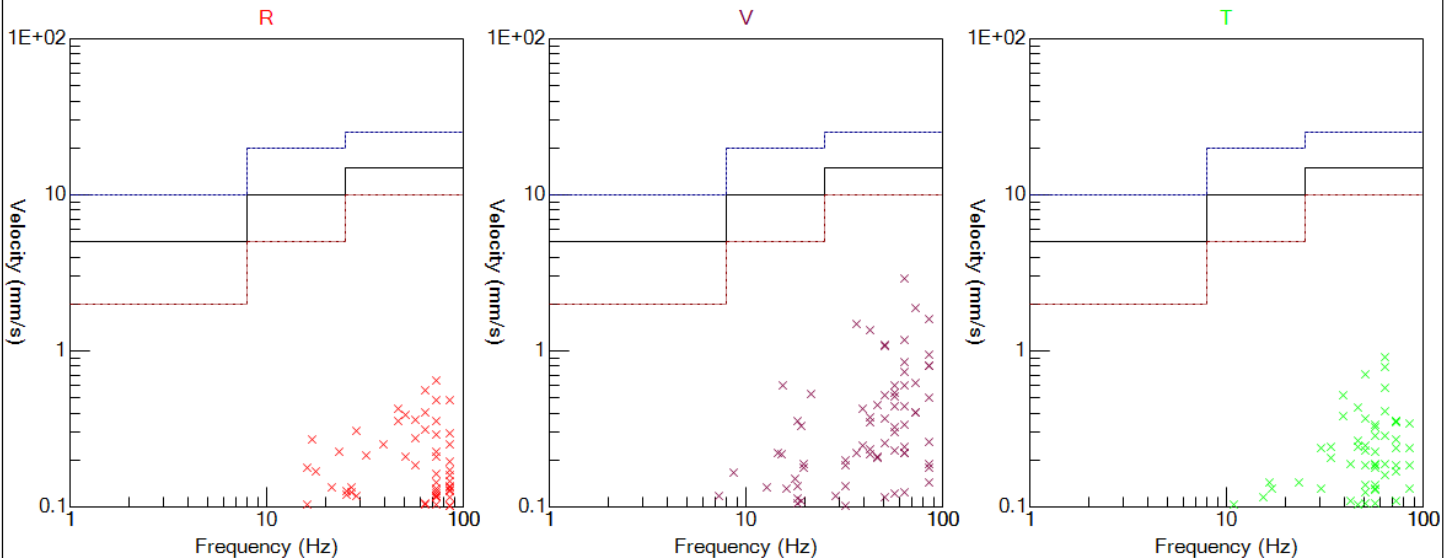
Graph Information

Time Range: -1 s to 4 s, Intervals: 0.5000 Seconds

Waveform



Velocity vs. Frequency (DGMS India (A))



Location of Blast ML II (Pit 1) No of Holes: 56 Explosive Consume: 1225
 Kgs, Location of seismograph: 180 meter towards Kherwar side from Blasting



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

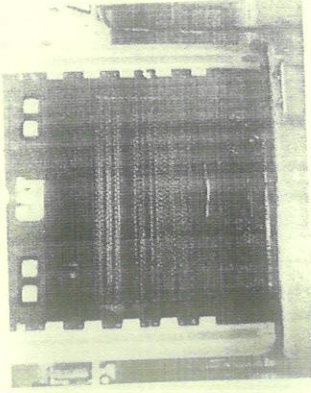
परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

12991865

VALID IN ALL INDIA

Photo of Vehicle:

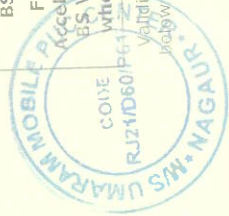


PUC No :	D60RJ21117184
Vehicle No :	LTS00470
Customer Name :	AMBUJA CEMENT LTD
Customer Mobile :	7698007883
Year of Regn :	01-03-2020
Type of Vehicle :	OTHERS
Make :	Cater
Model :	LOADER
Test Date :	27-12-2021
Time :	03:35:13 PM
Valid Up To :	26-06-2022
Center Name :	Umaram Mobile PUC Center, (RJ21-GC-3035)
Center Address :	Nagaur
License No :	RJ21-0061/0060
Test Result :	Pass

Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
	662	1961	0

Sl. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	663	2010	0.560	21.4	000.0
2	663	2019	0.467	18.2	000.0
3	663	2037	0.602	22.8	000.0
Mcan			0.543	20.8	

Prescribed Limit for Diesel vehicle:	1/m(Light Absorption Co-efficient)	Hairdye Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48



Validity Six Months for Heavy Duty or Medium Duty and one year for Light Duty IV / VI vehicles.

Get Certificate renewed within the expiry date.



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

13129985

Plant No.:	D60RJ21117213
Vehicle No.:	DOZERD8TJJ501365
Constructor Name:	AMBUJA CEMENT LTD
Constructor Mobile:	7698007883
Year of Regn.:	01-04-2017
Type of Vehicle:	OTHERS
Make:	Caterpillar
Model:	Carnival
Test Date:	27-12-2021
Time:	06:25:38 PM
Valid. (to):	26-06-2022
Center Name:	Umarain Mobile: PUC Center, (RJ21-GC-3035)
Center Address:	Nagaur
Licence No.:	RJ21-0061/0060
Test result:	Pass

Flushing Cycle			
AVG	RPM Min	RPM Max	Temp
	650	1867	0
1	658	1906	0.534
2	658	1916	0.542
3	698	1762	0.528
MC-F:			0.535



VALID IN ALL INDIA

Photo of Vehicle



Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Exhausting Units (mg/hp)
Free Acceleration BS II & III	2.4%	65
Free Acceleration BS IV	1.6%	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	10 / 7.5

Validity Six Months from Date of Issue. If the vehicle is below one year from issue date, it is valid for one year.



प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

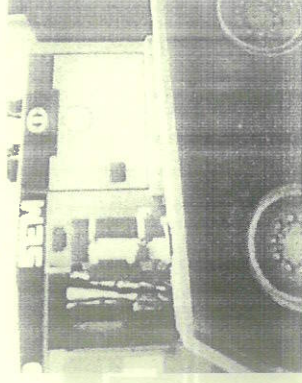
(Rule 116 of CMV Rules 1989)

13129981

Pucc No.	D608J21117211
Vehicle No.	554034709811019
Customer Name:	AMBUJA CEMENT LTD
Customer Mobile:	7698007883
Year of Buy:	01-10-2019
Type of Vehicle:	OTHERS
Make:	Cater
Model:	LOADER
Test Date:	27-12-2021
Time:	05:47:12 PM
Valid Up To:	26-06-2022
Center Name:	Umaram Mobile PUC Center, (RJ21-GC-3035)
Center Address:	Nagaur
Licence No.:	RJ21-0061/0060
Test Result:	Pass

VALID IN ALL INDIA

Photo of Vehicle



RPM Min		RPM Max		Temp	
	627		1882		0

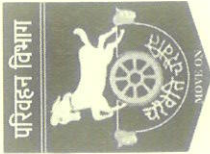
Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	596	1817	0.596	22.6	000.0
2	596	1888	0.614	23.2	000.0
3	596	1834	0.551	21.1	000.0
Mean			0.587	22.3	

Prescribed Limit for Diesel vehicle	Free Acceleration BS II & III	Free Acceleration BS IV	1/mi(Di)g Absorption Co-efficient	1/mi(Di)g Absorption Co-efficient	Coasting Units (dB(A)%
Free Acceleration BS II & III	2.45	2.45	2.45	2.45	65
Free Acceleration BS IV	3.02	3.02	3.02	3.02	50
Free Acceleration BS VI / 4/3 wheelers	0.7 / 1.5	0.7 / 1.5	0.7 / 1.5	0.7 / 1.5	76 / 43

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV/VI vehicle.

Certificate price: ₹ 100

Get Certificate renewed within the expiry date.



प्रदूषण नियंत्रण प्रमाण पत्र
Under the Pollution Control Board, Rajasthan

POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

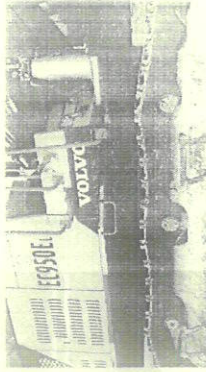
परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त 13129982

(Rule 115 of CMV Rules 1989)

Pucc No. :	D66RJ21117202
Vehicle No. :	EC950EXCAVATOR370092
Customer Name :	AMBUJA CEMENT LTD
Customer Mobile :	7698007883
Year of Issue :	01-04-2020
Type of Vehicle :	OTHERS
Make :	Volvo India
Model :	Excavators
Test Date :	27-12-2021
Time :	05:02:06 PM
Valid Upto :	26-06-2022
Center Name :	Umaram Mobile PUC Center, (RZ1- GC-3035)
Center Address :	Nagaur
License No. :	RJ21-0061/0060
Test Result :	Pass

VALID IN ALL INDIA

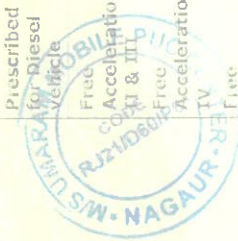
Photo of Vehicle



Running Cycle

Sl. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	657	1885	0.581	22.1	000.0
2	657	1808	0.507	19.6	000.0
3	657	1899	0.581	22.1	000.0
Mean			0.556	21.3	

Prescribed Limit for Diesel Vehicle	1/mi (Light Absorption Co-efficient)	Wear & Tear Units (100%)
Free Acceleration BS	2.45	05
Free Acceleration BS	1.62	50
Free Acceleration BS	0.7 / 1 %	2 / 40



Validity Six Months for Bharat Stage IV vehicles and one year for Bharat Stage IV/AI vehicles.

Certificate price: ₹ 100

Ambuja Cement Ltd. Unit : Marwar-Mundwa,Nagaur (Raj)

AAGM MONITORING LOCATIONS																			
PARAMETERS	PERMISSIBLE LIMIT	Core Zone												Buffer Zone					
		Near Mine Office (Upwind)			Near Ravana/Near Crusher (Down wind)			Drilling Operation (Down wind)			Loading Operation (Down wind)			Village Roopaser (Down wind)			Village Kherwar (Down wind)		
		Oct-21	Nov-21	Dec-21	Oct-21	Nov-21	Dec-21	Oct-21	Nov-21	Dec-21	Oct-21	Nov-21	Dec-21	Oct-21	Nov-21	Dec-21	Oct-21	Nov-21	Dec-21
SPM	500 µg/m ³	297.8	289.6	301	321.5	319.3	324.8	361.4	356.3	362.1	396	391.2	371.0	280.5	277.8	292.1	291	275.2	279.1
PM ₁₀	100 µg/m ³	57.9	56.8	61.2	59.9	60.8	62.7	61.4	60.8	62.8	60.1	58.8	63.2	49.6	50.4	52.6	48.9	51.3	50.3
PM _{2.5}	60 µg/m ³	36.7	37.2	35.6	37.3	38.3	36.9	39.9	39.1	39.2	39.9	41.2	40.3	32.3	30.7	34.2	32.6	32.5	32.8
SO ₂	80 µg/m ³	14.5	16.3	13.8	17.2	16.2	16.5	15.5	15.3	14.9	16.5	16.9	15.6	15.1	14.3	12.8	15.1	16.2	12.9
NO _x	80 µg/m ³	23.2	23.4	24.5	22.7	22.5	22.9	22.6	22.3	23.7	24.1	22.4	23.2	20.4	21.2	21.7	18.2	18.3	20.1
CO	4000 µg/m ³	572	621	736.1	792.6	688	798.1	703	796	807.9	723	786	782.0	593	608	545.2	532.6	540	505.4

AAGM MONITORING LOCATIONS																			
PARAMETERS	PERMISSIBLE LIMIT	Core Zone												Buffer Zone					
		Near Mine Office			Near Ravana/Near Crusher			Drilling Operation			Loading Operation (Down)			Village Roopaser			Village Kherwar		
		Jan-22	Feb-22	Mar-22	Jan-22	Feb-22	Mar-22	Jan-22	Feb-22	Mar-22	Jan-22	Feb-22	Mar-22	Jan-22	Feb-22	Mar-22	Jan-22	Feb-22	Mar-22
SPM	500 µg/m ³	322.0	301.0	363.5	340.0	324.8	391.8	346.5	362.1	398.0	361.0	371.0	388.0	292.8	292.1	335.9	291.0	279.1	308.0
PM ₁₀	100 µg/m ³	54.2	61.2	64.9	55.6	62.7	64.2	55.8	62.8	66.2	57.2	63.2	68.5	48.2	52.6	56.8	48.6	50.3	53.6
PM _{2.5}	60 µg/m ³	34.6	35.6	40.6	36.7	36.9	43.1	40.0	39.2	41.9	42.9	40.3	43.5	31.6	34.2	36.1	30.9	32.8	36.8
SO ₂	80 µg/m ³	14.8	13.8	16.8	15.8	16.5	15.6	18.2	14.9	17.9	16.5	15.6	17.5	14.5	12.8	16.9	15.6	12.9	15.7
NO _x	80 µg/m ³	21.2	24.5	22.5	20.7	22.9	21.4	22.3	23.7	23.1	22.7	23.2	22.2	19.9	21.7	20.2	20.3	20.1	21.4
CO	4000 µg/m ³	535.0	736.1	632.8	590.0	798.1	632.0	640.0	807.9	672.0	556.0	782.0	685.0	432.0	545.2	478.0	486.0	505.4	555.8

[Handwritten Signature]



TEAM TEST HOUSE ANNEXURE-5



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

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

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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./ULR No. :	TC502521400003126	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Mines Office	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 28-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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]	260	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.25	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]	26.78	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	2.23	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	70.01	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]	7.9	IS 5182 : Part 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Mahesh



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

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ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

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Phone : +91 6377210064, 9414077379,
Email : team.bdhead@gmail.com
Website : www.teamtesthouse.com

Laboratory : G1-584, RIICO Industrial Area,
Sitapura, Jaipur - 202022, Rajasthan
Phone : +91 9460222039, 9460222049,
Email : director@teamtesthouse.com,
Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400003126	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Mines Office	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 28-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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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Purnan Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 400003126)



TEAM TEST HOUSE

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



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

TEST REPORT

Report No./ULR No. :	TC502521400003127	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Near Crusher	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 28-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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]	280	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.05	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	12.54	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]	29.21	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.3	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	60.25	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]	5.3	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi
Puran Mal Yogi

Rajesh Maheshwar
Rajesh Maheshwar



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No./ULR No. :	400003127	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Near Crusher	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 28-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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

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Puran Mal Yogi
Senior Analyst


Rajesh Maneshwar
Authorized Signatory
(Report No: 400003127)



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TEST REPORT

Report No.	400003135	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Mines Boundry Area (ML-2) AAQM-8	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m ³]	290	IS 5182 (Part 10) : 1999 RA 2019	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]	13.68	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]	31.58	CPCB Guidelines	60.00
7	Sulphur Dioxide [microgram/m ³]	5.26	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM ₁₀) [microgram/m ³]	72.54	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]	3.45	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Puran
Puran Mal Yogi

Rajesh
Rajesh Maheshwari



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TEST REPORT

Report No.	400003135	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Mines Boundry Area (ML-2) AAQM-8	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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

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Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: 400003135)



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TEST REPORT

Report No.	400003131	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Innana Village AAQM-16	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m ³]	240	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m ³]	0.07	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	11.53	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]	21.38	CPCB Guidelines	60.00
7	Sulphur Dioxide [microgram/m ³]	3.45	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM ₁₀) [microgram/m ³]	61.43	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]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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P. Singh

Rajen



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TEST REPORT

Report No.	400003131	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan).	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Innana Village AAQM-16	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 400003131)



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TEST REPORT

Report No.	400003134	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	kherwar Village AAQM-17	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	250	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m3]	0.11	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.69	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]	28.45	CPCB Guidelines	60.00
7	Sulphur Dioxide [microgram/m3]	3.65	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	63.47	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]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

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Puran Mal Yogi

Rajesh Maheshwar



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TEST REPORT

Report No.	400003134	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection :	Kherwar Village AAQM-17	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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

Rakesh Maheshwan
Authorized Signatory
(Report No: 400003134)



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TEST REPORT

Report No.	400003138	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Roopsar Village AAQM-11	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m3]	240	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m3]	0.10	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	13.45	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]	24.35	CPCB Guidelines	60.00
7	Sulphur Dioxide [microgram/m3]	4.25	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	55.47	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]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

Notes :-

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PL. P. L. Maheshwari

Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

TEST REPORT

Report No.	400003138	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	16-10-2021
Point of Collection :	Roopsar Village AAQM-11	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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 Vianeshwar
Authorized Signatory
(Report No: 400003138)



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TEST REPORT

Report No.	400003130	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection	Deediya Kalan Village AAQM-18	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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)	CPCB Guidelines	400.00
2	Carbon Monoxide [microgram/m ³]	210	IS 5182 (Part 10) : 1999 RA 2019	4000
3	Lead [microgram/m ³]	0.10	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO ₂ [microgram/m ³]	10.87	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]	28.47	CPCB Guidelines	60.00
7	Sulphur Dioxide [microgram/m ³]	3.54	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM ₁₀) [microgram/m ³]	67.48	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]	BDL(<2.0)	IS 5182 (Part 22) : 2004 Reaffirmed 2019	20.00

Notes :-

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Puran
Puran Mal Yogi

Rajesh
Rajesh Maheshwa



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TEST REPORT

Report No.	400003130	Date :	29-10-2021
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	15-10-2021
Point of Collection	Deediya Kakan Village AAQM-18	Date of Receipt :	20-10-2021
Date of Test/Analysis :	20-10-2021 to 29-10-2021	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Banwari Lal Kumawat
Unit's representative :	Mr Anand Singh Chouhan	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

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 400003130)



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TEST REPORT

Report No./ULR No. :	TC502522400000734	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Mines Office	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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]	340	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.17	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	16.64	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]	43.73	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.38	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	76.61	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]	7	IS 5182 : Part 26 : 2020	20.00

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Puran Mal Yogi

Rajesh Maneshwan



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TEST REPORT

Report No./ULR No. :	400000734	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Mines Office	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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

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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwar
Authorized Signatory
(Report No: 400000734)



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TEST REPORT

Report No./ULR No. :	TC502522400000735	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Near Crusher	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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]	310	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.14	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	14.32	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]	33.85	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.94	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	71.03	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]	8.1	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh Maheshwan



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TEST REPORT

Report No./ULR No. :	400000735	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Near Crusher	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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

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Senior Analyst

Authorized Signatory
(Report No: 400000735)



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TEST REPORT

Report No./ULR No. :	TC502522400000736	Date :	28-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Mines Area [M.L No.2]	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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]	310	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.2	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	16.12	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]	33.57	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.98	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	70.82	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]	6.2	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. :	400000736	Date :	28-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	13-03-2022
Point of Collection :	Mines Area [M.L No.2]	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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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Pragn Mal Yogi
Senior Analyst

Rajesh Maheshwan
Authorized Signatory
(Report No: 400000736)



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TEST REPORT

Report No./ULR No. :	TC502522400000740	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	12-03-2022
Point of Collection :	Roopsar	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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]	230	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.05	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.46	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]	29.31	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	2.93	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	70.86	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]	4.6	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh
Rajesh Maheshwar



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TEST REPORT

Report No./ULR No. :	400000740	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	12-03-2022
Point of Collection :	Roopsar	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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 **Mal Yogi**

Authorized Signatory **Ramesh Maheshwan**

(Report No: 400000740)



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TEST REPORT

Report No./ULR No. :	TC502522400000745	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	14-03-2022
Point of Collection :	Innana	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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]	240	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.1	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	11.61	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]	30.55	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	4.09	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	68.3	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]	4.7	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. :	400000745	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	14-03-2022
Point of Collection :	Innana	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram Jangid
Unit's representative :	Mr Sanjay Kumar 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

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Puran Mal Yogi
Senior Analyst

Rakesh Maheshwari
Authorized Signatory
(Report No: 400000745)



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TEST REPORT

Report No./ULR No. :	TC502522400000746	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	14-03-2022
Point of Collection :	Kherwar	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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]	240	TTH/AAQM/08	4000
3	Lead [microgram/m3]	0.08	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	9.95	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]	30.51	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	3.43	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	64.72	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]	4.5	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi
Puran Mal Yogi

Rajesh Maheshwar
Rajesh Maheshwar



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TEST REPORT


Report No./ULR No. :	400000746	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	14-03-2022
Point of Collection :	Kherwar	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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
Rajan Maheshwari


Authorized Signatory
Rajan Maheshwari
(Report No: 400000746)



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TEST REPORT

Report No./ULR No. :	TC502522400000747	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	14-03-2022
Point of Collection :	Deediya Kalan	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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]	0.09	IS 5182 (Part 22) : 2004 Reaffirmed 2019	1.00
4	Nitrogen Dioxide as NO2 [microgram/m3]	9.74	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]	24.88	IS 5182 (Part 24) : 2019	60.00
7	Sulphur Dioxide [microgram/m3]	2.84	IS 5182 (Part 2) : 2001 RA 2017	80.00
8	Particulate Matter (PM 10) [microgram/m3]	70.3	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]	6.6	IS 5182 : Part 26 : 2020	20.00

Notes :-

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Puran Mal Yogi

Rajesh
Rajesh Maheshwan



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TEST REPORT

Report No./ULR No. :	400000747	Date :	09-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Air Quality Monitoring	Date of Sample Collection/Monitoring :	14-03-2022
Point of Collection :	Deediya Kalan	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 08-04-2022	Sampling Plan :	IS 5182:2000(Part 14)RA 2014
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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

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Senior Analyst
Manoj Yogi

Authorized Signatory
(Report No: 400000747)



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TEST REPORT

Report No : 600002292
Date : 29-10-2021
Issued to : M/S Ambuja Cements Ltd. (Unit Marwar Mundwa)
P.O.& Tehsil- Marwar Mundwa, District-Nagaur
(Rajasthan)
Type of Unit : Cement Plant
Type of Monitoring : Ambient Noise Monitoring
Sample Collected by : Banwari Lal Kumawat
Date of monitoring : 11-10-2021 to 20-10-2021
Date of Receipt : 20-10-2021

RESULTS

SL. No.	Location	Observed value [Leq in dB (A)]	Observed value [Leq in dB (A)]
1	Staff Colony (N-1)	53.5	42.6
2	Time Office (N-2)	58.6	51.2
3	CCR Building (N-3)	61.3	55.4
4	Packing Plant (N-4)	69.7	58.7
5	Staff Colony (N-5)	56.8	45.6
6	CCR Room (N-6)	67.4	59.2
7	Time Office (N-7)	65.2	58.3
8	Coal Tippler E Boundry (N-8)	71.4	62.5
9	Packing Plant N Boundry (N-9)	65.4	57.3
10	ACF Gate S Boundry (N-10)	61.7	52.3
11	Workshop (N-11)	64.8	55.4
12	Compressor Room (N-12)	73.5	64.5
13	STP/Labour Colony (N-13)	52.6	41.7
14	Raw Mill Area (N-14)	73.4	64.2
15	Kiln Area (N-15)	74.5	63.8
16	Packing Plant (N-16)	73.8	64.6
17	Cement Mill Area (N-17)	73.4	63.6
18	Coal Mill Area (N-18)	74.2	65.0
19	Railway Siding Area (N-19)	69.4	58.7
20	Truck Yard (N-20)	61.2	53.4
21	Near Dozer -(N-21)	74.5	67.3
22	Near Loader (N-22)	73.7	63.5
23	Near Excavator (N-23)	74.4	64.7
24	Near Motor Grader (N-24)	73.7	63.8
25	Near Drill Machine (N-25)	74.6	65.4



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SL. No.	Location	Observed value [Leq in dB (A)]	Observed value [Leq in dB (A)]
26	Near Dumper (N-26)	74.6	65.4
27	Near Braker (N-27)	68.4	61.2
28	Road Roller (N-28)	71.2	62.5
29	ML-1 E Boundry (N-29)	58.7	51.4
30	ML-1 W Boundry (N-30)	57.8	50.8
31	ML-1 N Boundry (N-31)	61.3	52.3
32	ML-1 S Boundry (N-32)	58.5	51.2
33	ML-2 E Boundry (N-33)	60.3	53.6
34	ML-2 W Boundry (N-34)	58.7	51.4
35	ML-2 N Boundry (N-35)	59.4	53.2
36	ML-2 S Boundry (N-36)	58.6	51.5
37	Near Working Pit (N-37)	62.4	54.7
38	Near Haul Road (N-38)	61.5	54.2
39	Near Crusher (N-39)	72.3	63.5
40	Near Blasting Site (N-40)	66.7	59.6
41	East Boundry (N-41)	58.4	51.7
42	West Boundry (N-42)	59.6	52.5
43	Nort Boundry (N-43)	61.4	53.5
44	South Boundry (N-44)	58.7	51.5
45	DG Stack Matasukh (N-45)	65.4	56.7
46	Boiler Stack Matasukh (N-46)	61.5	53.5
47	MEE (N-47)	60.3	52.4
48	WTP(N-48)	55.7	48.3
49	Barge Pump- Kashnaau Pit(N-49)	56.8	49.6
50	Site Office (N-50)	57.5	48.2

Standard Limits [in dB (A)] Leq:

Category of Area/ Zone	Day Time	Night Time
Industrial Area	75	70
Mines Area	75	65
Commercial Area	65	55
Residential Area	55	45

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Puran Mal Yogi
Senior Analyst

Rajesh Maheshwari
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TEST REPORT

Report No./ULR No. :	TC502522600000502	Date :	05-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	15-03-2022
Point of Collection :	ML-2 East Boundary	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 04-04-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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)]	63.3	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	52.5	IS 9989	70

Notes :-

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Senior Analyst
Sunil Kumar


Authorized Signatory
(Report No: TC502522600000502)



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TEST REPORT

Report No./ULR No. :	TC502522600000503	Date :	04-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	15-03-2022
Point of Collection :	ML- 2 West Boundary /AAQM Location	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 04-04-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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)]	64.2	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	52.2	IS 9989	70

Notes :-

- # The results listed refer only to the tested sample (s) & parameters (s). Endorsement of products is neither inferred nor implied.
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Senior Analyst
Sunil Kumar

Rajesh Maheshwan
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(Report No: TC502522600000503)



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TEST REPORT

Report No./ULR No. :	TC50252260000504	Date :	04-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	15-03-2022
Point of Collection :	ML-2 North Boundary	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 04-04-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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)]	62.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	50.8	IS 9989	70

Notes :-

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


Senior Analyst
Sunil Kumar


Rajesh Maheshwan
Authorized Signatory
(Report No: TC50252260000504)



TEAM TEST HOUSE

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



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TEST REPORT

Report No./ULR No. :	TC502522600000505	Date :	04-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	15-03-2022
Point of Collection :	ML-2 South Boundary / AAQM Location	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 04-04-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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)]	63.4	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	49.8	IS 9989	70

Notes :-

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TEST REPORT

Report No./ULR No. :	TC50252260000507	Date :	05-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	15-03-2022
Point of Collection :	Haul Road	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 04-04-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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)]	66.0	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	56.4	IS 9989	70

Notes :-

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Senior Analyst
Sunil Kumar

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TEST REPORT

Report No./ULR No. :	TC50252260000508	Date :	04-04-2022
Issued To :	M/S Ambuja Cement Limited (Unit - Marwar Mundwa) PO & Tehsil Marwar Mundwa, District - Nagaur (Rajasthan),	Type of Unit :	Cement Plant
Type of Sample :	Ambient Noise Level Monitoring	Date of Sample Collection/Monitoring :	15-03-2022
Point of Collection :	Crusher	Date of Receipt :	16-03-2022
Date of Test/Analysis :	16-03-2022 to 04-04-2022	Sampling Plan :	TTH/NOISE/01
Quantity of Sample :	-	Sample Collected By :	Sitaram jangid
Unit's representative :	Mr Sanjay Kumar 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)]	66.8	IS 9989	75
2	Noise Level (Night Time) : Leq [dB(A)]	58.7	IS 9989	70

Notes :-

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