

Ref: ACL/MM/ENV/EC-ML-I/F-5

Date: 30th May 2022

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 Marwar Mundwa Lime stone Mine ML-I (ML area 699.939 ha. Capacity 2.50 MTPA, **M.L.No 111/2007**) located at near village(s) –Rupasar, Inana, Kherwar & Deediya Kalan Tehsil & Dist. Nagaur M/s Ambuja Cement Ltd. Unit: Marwawar Mundwa ,Nagaur (RAJ) for the period of **Oct-21 to Mar-22**.

Ref.: MOEF& CC, New Delhi letter No.: - J-11015/421/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J-11015/421/2005-IA.II (M) Dated: 20.04.2017.

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 rocz.lko-mef@nic.in, iro.jaipur-mefcc@gov.in, member-secretary@pcb.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 Cement Ltd.(Unit: Marwar)



Hamendra Singh Rathore
(Unit Head)

Encl.: A/A & Soft copy

Copy to:

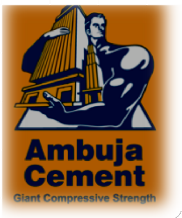
1. The Additional Director(S), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi, Pin. 110003 (India).
2. Regional Director (Central Zone), Central Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal, Madhya Pradesh- 462016
3. Chairman, 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-11015/421/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J-11015/421/2005-IA.II (M)
Dated: 20.04.2017

Period: Oct-2021 to March-2022

For

**Marwar Mundwa Lime stone Mine (ML area 699.939 ha. Capacity 2.50 MTPA) (M.L.-I),
M.L.No.03/87(new M.L.No 111/2007) located at near village(s) –Rupasar,Inana,Kherwar and
Deediya Kalan 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

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 Marwar- Mundwa Lime stone Mine (ML area 699.939 ha. Capacity 2.50 MTPA) (M.L.-I), M.L.No.03/87(new M.L.No 111/2007) Vide letter No.: - J-11015/421/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J-11015/421/2005-IA.II (M) Dated: 20.04.2017.

Consent to Establish has been obtained under Air and Water Act for Lime stone mines (ML-I) vide letter no. F(Mines)/Nagaur(Nagaur)/4072(1)/2019-2020/3745-3749 , Order No: 2019-2020/Mines/10002, date; 16/01/2020.

Consent to Operate has been obtained under Air and Water act for Lime stone mines (ML-I) vide letter no. F(Mines)/Nagaur(Nagaur)/4072(1)/2019-2020/2827-2831, Order No: 2020-2021/Mines/10174, Dated 15/09/2020 valid till 31/08/2025.

Ambuja Cement

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

Six monthly Compliance report of EC for Marwar Mundwa Lime stone Mine (ML area 699.939 ha. Capacity 2.50 MTPA , M.L.No 111/2007) located at near village(s) –Rupasar,Inana,Kherwar and Deediya Kalan Tehsil and Dist. Nagaur (Raj.) for the period


From October-2021 to March-2022

Refe. Letter from MOEF& CC, New Delhi No.: - J-11015/421/2005-IA.II (M) Dated 18.01.2007 & Transfer Letter No . J-11015/421/2005-IA.II

(M) Dated: 20.04.2017.

| 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-I) vide letter no. F(Mines)/Nagaur(Nagaur)/ 4072(1)/2019-2020 /3745-3749 , Order No: 2019-2020 /Mines/10002, date; 16/01/2020.</p> <p>Consent to Operate has been obtained under Air and Water act for Lime stone mines (ML-I) vide letter no. F(Mines)/Nagaur (Nagaur)/4072(1)/2019-2020/2827-2831,Order No: 2020-2021/Mines /10174, 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. | Complied, The mine working is above the groundwater table and as per the proposed mining plan the water table will not be intersected. |
| (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, Since the commissioning of mine i.e., on 18.09.2020, The outcrop has been excavated from the 34.70 Ha area. At the conceptual period, 2.69 lac cubic meter of Top soil will be generated which will be utilized for plantation/greenbelt. |

| (iv) | <p>The waste generated during the initial two years shall be temporally 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 back filling should start from the third years onwards. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self sustaining. Compliance status should be submitted to the MOEF on six monthly basis.</p> | <p>Total 7.42 lac tone of waste generated till date. At the conceptual period, 7.08 Million Tonnes of waste will be generated are planned for concurrent reclamation in the mined out pits based on regular year wise progress of the mine.</p> <p>Details of overburden dump with dimension :</p> <table border="1" data-bbox="1081 435 1942 620"> <thead> <tr> <th>Location</th> <th>Av. Length (m.)</th> <th>Av. Width (m.)</th> <th>Av. Height (m.)</th> </tr> </thead> <tbody> <tr> <td>Near Pit</td> <td>310</td> <td>104</td> <td>6</td> </tr> <tr> <td>Near crusher</td> <td>340</td> <td>40</td> <td>2.5</td> </tr> </tbody> </table> | Location | Av. Length (m.) | Av. Width (m.) | Av. Height (m.) | Near Pit | 310 | 104 | 6 | Near crusher | 340 | 40 | 2.5 |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|----------------|-----------------|----------|-----|-----|---|--------------|-----|----|-----|
| Location | Av. Length (m.) | Av. Width (m.) | Av. Height (m.) | | | | | | | | | | | |
| Near Pit | 310 | 104 | 6 | | | | | | | | | | | |
| Near crusher | 340 | 40 | 2.5 | | | | | | | | | | | |
| (v) | <p>Catch drain and siltation ponds of appropriate size should be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, green belt development etc. The drains should be regularly de-silted, particularly after monsoon, and maintained properly.</p> <p>Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden 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. Sumps 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 and de-silted at regular intervals.</p> | <p>The storm water are been collected to garland drain has been constructed all along the waste dump and the waste dump area routed to siltation pond. The collected water is being used for plantation and water sprinkling on haul road.</p> | | | | | | | | | | | | |

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| (vi) | Dimension of the retaining wall at the toe of inter burden dumps and inter burden benches within the mine to check run-off and siltation should be based on the rain fall data. | Total 920.0 meter retaining wall constructed along waste dumps. |
| (vii) | Water sprinkling system should be provided to check fugitive emissions from ancillary operations such as crushing and screening plant. | <p>Complied, Efficient water sprinkling system installed at crushing site to control the fugitive emission.</p>  |
| (viii) | Plantation shall be raised in area of 263.42 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 tree should be 1000 plants per ha. | <p>Total 3.00 ha area has been used for plantation and total 6000 nos. of plant has planted 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> |



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| (ix) | <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> |
| (x) | <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>The company shall make rainwater harvesting structures on all the rooftops and storm water drains to recharge the ground water. Moreover the company with the help of its community development arm “Ambuja Cement Foundation” has already completed 942 Roof Rain Water harvesting structures, 1063 water storage tanks and deepening of 140 ponds in and around the project site.</p> |

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| (xi) | <p>Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground water Board.</p> | <p>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.</p> <p>Water Conservation Initiatives By Acl</p> |

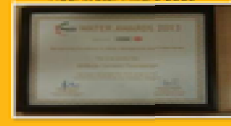
Water Harvesting & Recharge Work

A total of 80000 literatures, Recharging 80 thousand Pockets, 80 thousand 1 acre, Harvesting 1.85 MCM Rainwater

| RRWHS-2417 | POND'S REVIVED- 140 | FARM PONDS - 68 | IBIADIN -05 | MICRO IRRIGATION | FARM BUNDING - 428 |
|--------------------------------------|------------------------------|--------------------------------|-----------------------------|---------------------------|------------------------------|
| 12.18 Gwd Storage Capacity Harvested | 26.145 Gwd Storage Harvested | 85936.14 Gwd Storage Harvested | 48806 Gwd Storage Harvested | 1700 Gd Storage Harvested | 171000.07 Capacity Harvested |



FICCI & Water Digest Award 2013



For "Excellent Water Management Initiatives" Ambuja Cement Foundation Marwa Mandva under Beyond the Bound

For "Most Useful Presentation" Ambuja Cement Foundation Marwa Mandva

जल दिवस पर दी पानी बचाने की सीख

अंबुजा सीमेंट फाउंडेशन की ओर से कार्यालय का आयोजन, लघुनाटिका की प्रस्तुति

अंबुजा सीमेंट फाउंडेशन की ओर से जल दिवस पर 'दी पानी बचाने की सीख' कार्यक्रम का आयोजन किया गया। कार्यक्रम में अंबुजा सीमेंट फाउंडेशन के कर्मचारी, प्रतिनिधियों, और बच्चों ने भाग लिया। कार्यक्रम के दौरान अंबुजा सीमेंट फाउंडेशन के कर्मचारी बच्चों को जल बचाने की सीख दिये। कार्यक्रम में अंबुजा सीमेंट फाउंडेशन के कर्मचारी बच्चों को जल बचाने की सीख दिये। कार्यक्रम में अंबुजा सीमेंट फाउंडेशन के कर्मचारी बच्चों को जल बचाने की सीख दिये।





अंबुजा सीमेंट फाउंडेशन द्वारा आयोजित कार्यक्रम में अंबुजा सीमेंट फाउंडेशन की ओर से आयोजित कार्यक्रम


विचारों के सरिता की सदहनना दीना

जल दिवस के अवसर पर अंबुजा सीमेंट फाउंडेशन के कर्मचारी बच्चों को जल बचाने की सीख दिये। कार्यक्रम में अंबुजा सीमेंट फाउंडेशन के कर्मचारी बच्चों को जल बचाने की सीख दिये।

रौत में परिवर्तन लाने से ही


रौत में परिवर्तन लाने से ही जल बचाने की सीख दिये। कार्यक्रम में अंबुजा सीमेंट फाउंडेशन के कर्मचारी बच्चों को जल बचाने की सीख दिये।

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| (xii) | <p>Prior Permission from the competent authority shall be obtained for drawl of ground water.</p> | <p>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.</p> |
| (xiii) | <p>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> | <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 |

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| | | <p>Seismograph and records are kept in soft copy. Latest NONEL delay technology is used to control the fly rock and boulders.</p> <p>Vibration monitoring report enclosed as Annexure-2.</p> |
| (xiv) | <p>Drills should be wet operated or operated with dust extractors.</p> | <p>Being Complied, We are 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>  <p>The image shows a red Sandvik DX 800 i drilling machine in operation at a mining site. The machine is equipped with a dust collector system and water injection system. The background shows a clear sky and a dirt ground. A Google Maps overlay at the bottom of the image provides the following information: Roopasar, Rajasthan, India; Roopasar, Rajasthan, India; Lat 27.100889° Long 73.853523°; 27/12/21 12:11 PM.</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>Tipper engaged in the mines are periodically checked, vehicular emissions are kept under permissible limits. The tipper are not loaded above the rated capacity. Copy of PUC is enclosed as Annexure -3.</p> |

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| (xvi) | 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. | Complied, We have carried out digital processing of the entire mining area using remote sensing technique and submitted the report to MoEF. |
| (xvii) | Consent to operate should be obtained from SPCB before starting the production from the mine. | Consent to Operate has been obtained under Air and Water act for Lime stone mines (ML-I) vide letter no. F(Mines)/Nagaur(Nagaur)/4072(1)/2019-2020/2827-2831,Order No: 2020-2021/Mines/10174, Dated 15/09/2020 valid till 31/08/2025. |
| (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. 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) .</p> <p>Photograph of STP in colony.</p>  |
| (xix) | The project authorities should undertake sample survey to generate data on pre- project community health status | Complied, We have submitted the Social Impact assessment survey including pre-project community health status analysis carried out |

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| | within a radius of 1 Km from proposed mine. | <p>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. ➤ Moreover, there is negligence towards women's health as observed 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. | <p>The lease is valid up to 20.09.2038. The life of the mine based on assessed residual proved mineral reserves would be around 33 years reckoning the approved annual capacity of 2.5 million tons of limestone. However, mine life shall change after completion of exploration work. 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.</p> <p>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.</p> |
| B. General Conditions : | | |

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| 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 उपवन संरक्षक,
नागौर

दिनांक 21/08/2014

विषय :- इरित राजस्थान कार्यक्रम 2014 के अन्तर्गत पोधारण की सुचना भिजवाने के सम्बन्ध में।

महोदयजी,

आपके पत्र क्रमांक :एफ विकास/उवसं/2014-15/5113-37 दिनांक 12/08/2014 के संदर्भ में लेख है कि अम्बुजा सीमेन्ट 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 |
|-------------|--------|-------------|--------|-------------|--------|
| नीम | 5750 | कनेर | 10 | खेजड़ी | 500 |
| शीशम | 1400 | बोगन बेल | 20 | फलदार पौधे | 1610 |
| पिपल | 50 | अलस्तोनिया | 20 | | |
| नीम्बू | 1500 | अमलतास | 20 | | |
| बीलपत्र | 150 | फायक्स | 20 | | |
| | | बेन्जीबिना | | | |

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

Ready
21/8/14

धन्यवाद।

Asmita

कार्यक्रम प्रबंधक
अम्बुजा सीमेन्ट फाउण्डेशन

Ambuja Cement Foundation

Opp. Railway Station, MAF WFR, MINDWA, Dist. Nagaur, Rajasthan
Ph: 0158-236560, 236561
E-mail: info@ambujacementfoundation.org
Website: www.ambujacementfoundation.org

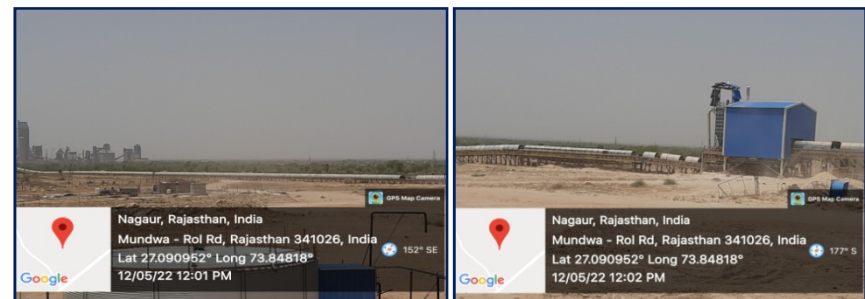
| | | |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 monitoring 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. | 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>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. | 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. | Complied, No waste water generating during mining operation and workshop waste water is collected in pit and reuse in vehicle washing after treatment. | | | | | | | | | | | | | | | | | | | | | |
| viii. | 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. 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>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="1081 1174 1948 1408"> <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 |
| 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 | | | | | | | | | | | | | | | | | | | | | |

| 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="1083 496 1938 922"> <thead> <tr> <th data-bbox="1083 496 1738 558">_Head under which Amount spent</th> <th data-bbox="1745 496 1938 558">Amount spent in Lakhs</th> </tr> </thead> <tbody> <tr> <td data-bbox="1083 563 1738 618">Pollution Control Devices Maintenance Cost & Power Cost</td> <td data-bbox="1745 563 1938 618">985.47</td> </tr> <tr> <td data-bbox="1083 623 1738 678">Pollution Monitoring & Analysis (New Equipment, Calibration, Consumables items & Chemicals)</td> <td data-bbox="1745 623 1938 678">228.291</td> </tr> <tr> <td data-bbox="1083 683 1738 738">Green Belt Development</td> <td data-bbox="1745 683 1938 738">22.429</td> </tr> <tr> <td data-bbox="1083 743 1738 799">Environment Consultancy</td> <td data-bbox="1745 743 1938 799">14.313</td> </tr> <tr> <td data-bbox="1083 803 1738 859">Consent Fee for CTE/CTO /Renewal of CTO & Water charges</td> <td data-bbox="1745 803 1938 859">6.587</td> </tr> <tr> <td data-bbox="1083 863 1738 919">Total amount</td> <td data-bbox="1745 863 1938 919">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 |
| _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 | | | | | | | | | | | | | | | |
| 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. We have 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 1st 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 | Agreed |

| | | |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | (protection) Act,1986 | |
| 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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Email : marketinglab@teamtesthouse.com

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:

Continue to next page...



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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] | 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 | - | - |

Notes :-

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

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 |

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] | 523.80 | 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 |

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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] | 486.00 | 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 | - | - |

Notes :-

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Sanjay Mal Yogi
Senior Analyst

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



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Email : marketinglab@teamtesthouse.com

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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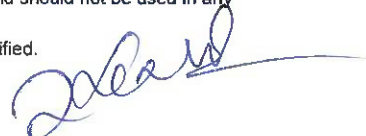
RESULTS

| 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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Puran 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 |

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] | 533.5 | 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 | - | - |

Notes :-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: TC502521100002130)



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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 |

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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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Email : marketinglab@teamtesthouse.com

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

(Report No: TC502521100002132)



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Email : marketinglab@teamtesthouse.com

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

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 | - | - |

Notes :-

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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521100002134)



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. : | 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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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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Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
(Report No: TC502521100002135)



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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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Balra
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwar
Authorized Signatory
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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 |

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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
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory

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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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Balram Agarwal
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Rajesh Maheshwan
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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:

Continue to next page...

Rajesh
Rajesh Maheshwan



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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:

Continue to next page...

Rajesh Maheshwar



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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] | 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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Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory
(Report No: TC502522100000481)



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Email : marketinglab@teamtesthouse.com

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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Rajesh
Rajesh Maheshwan
Authorized Signatory

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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
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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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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Rajesh
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(Report No: TC502522100000484)



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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 |

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] | 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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Balram Agarwal
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502522100000489)



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./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:

Continue to next page...

Rajesh
Rajesh Maheshwan



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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] | 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 | - | - |

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: TC502522100000490)



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

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:

Continue to next page...

Rajesh
Rajesh Maheshwan



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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] | 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 | - | - |

Notes :-

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Balram Agarwal
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: TC502522100000491)



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

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:

Continue to next page...

Rajesh Maheshwar
Rajesh Maheshwar



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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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Balram
Balram Agarwal
Senior Analyst

Rajesh
Rajesh Maheshwan
Authorized Signatory

(Report No: TC502522100000492)



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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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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 |

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Senior Analyst
Balram Agarwal


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

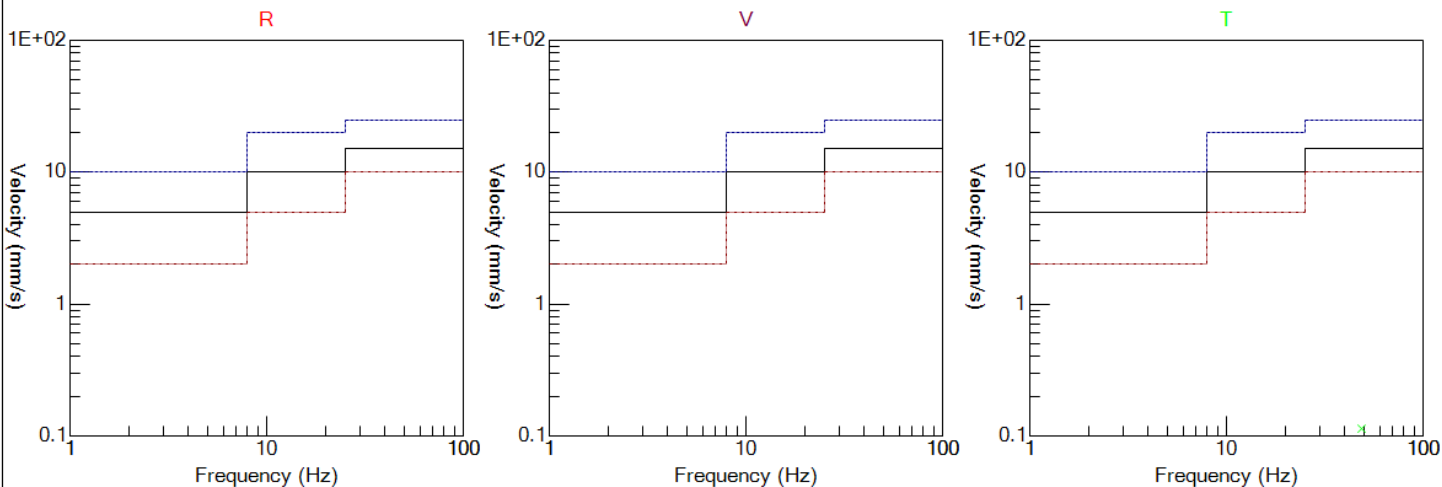
Record: 8001202110171420410527.evt
 Number: 0527
 Seismograph: Mini-Seis III 8001
 Type of Record: Waveform
 Date: 10/17/2021 2:20:41 PM
 Duration: 1.50 Seconds
 Sample Rate: 2048
 Pre-Trigger: 0.5 Seconds
 Seismic Trigger: 0.625 mm/s
 Acoustic Trigger: 130.0 dB
 Seismic Gain: 256
 Acoustic Gain: 148.2 dB
 Voltage: 6.33

Peaks and Frequencies
PPV Maximum (Geo #1): 1.41 mm/s
 Acoustic #1: 83.4 dB @ 0 Hz (0.5024414 s)
 Radial #1: 1.37 mm/s @ 146.3 Hz (0.0009765625 s)
 Vertical #1: 1.41 mm/s @ 256.0 Hz (0.001464844 s)
 Transverse #1: 0.758 mm/s @ 341.3 Hz (0.0009765625 s)
 Displacement (Geo #1): 0.00298 mm
 Acceleration (Geo #1): 2.43E+03 mm/sec/sec
 Last Calibration Date: 7/25/2020

Graph Information
 Time Range: -0.5 s to 1 s, Intervals: 0.1500 Seconds



Velocity vs. Frequency (DGMS India (A))





प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

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

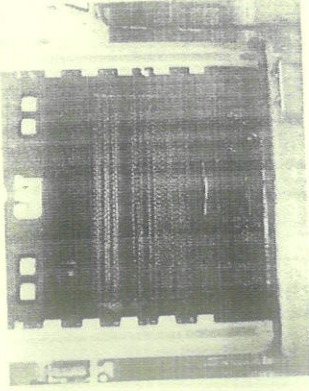
परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

12991865

VALID IN ALL INDIA

Photo of Vehicle:

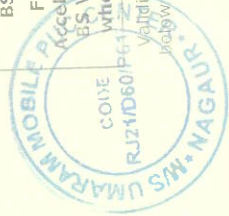


| | |
|-------------------|---------------------------------------------|
| PUC No : | D60RJ21117184 |
| Vehicle No : | LTS00470 |
| Customer Name : | AMBUJA CEMENT LTD |
| Customer Mobile : | 7698007883 |
| Year of Regn : | 01-03-2020 |
| Type of Vehicle : | OTHERS |
| Make : | Cater |
| Model : | LOADER |
| 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 above and one year for Light Duty IV / VI vehicle.

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 |
| Company Name: | AMBUJA CEMENT LTD |
| Company 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 upto: | 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 |

| Sl. No. | RPM Min | RPM Max | Km | HSU% | Temp |
|---------|---------|---------|-------|------|-------|
| 1 | 658 | 1906 | 0.534 | 20.5 | 000.0 |
| 2 | 658 | 1916 | 0.542 | 20.8 | 000.0 |
| 3 | 698 | 1762 | 0.528 | 20.3 | 000.0 |
| MC-F: | | | 0.535 | 20.5 | |

Get Certificate renewed within the expiry date.

VALID IN ALL INDIA

Photo of Vehicle



| Prescribed Limit for Diesel vehicle | 1/m(Light Absorption Co-efficient) | Exhaustive Units (mg/200) |
|--------------------------------------|------------------------------------|---------------------------|
| Free Acceleration BS II & III | 2.45 | 65 |
| Free Acceleration BS IV | 1.63 | 50 |
| Free Acceleration BS VI 4/3 wheelers | 0.7 / 1.5 | 10 / 15 |

Validity Six Months from Date of Issue. If the vehicle is below one year from issue date, it is valid for 12 months.





प्रदूषण नियंत्रण प्रमाण पत्र

POLLUTION UNDER CONTROL CERTIFICATE

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

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

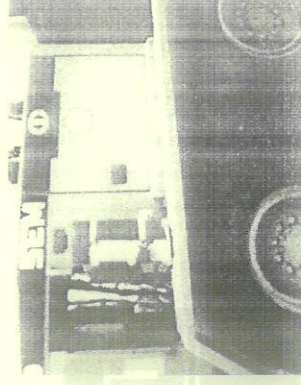
13129981

(Rule 116 of CMV Rules 1989)

| | |
|------------------|------------------------------------------|
| 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 |

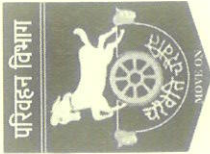
| Sr. No. | RPM Min | RPM Max | Km | HSU% | Temp |
|---------|---------|---------|-------|------|-------|
| 1 | 596 | 1817 | 0.596 | 22.6 | 000.0 |
| 2 | 596 | 1888 | 0.614 | 23.2 | 000.0 |
| 3 | 596 | 1834 | 0.551 | 21.1 | 000.0 |
| Mean | | | 0.587 | 22.3 | |

| Prescribed Limit for Diesel vehicle | 1/mi (Light Absorption Co-efficient.) | 1/mi (Light Absorption Co-efficient.) | Exhausting Units (dB(A))% |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------|
| Free Acceleration BS II & III | 2.45 | 2.45 | 65 |
| Free Acceleration BS IV | 1.52 | 1.52 | 50 |
| Free Acceleration BS VI 4/3 wheelers | 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
Pollution Control Board, Rajasthan

POLLUTION UNDER CONTROL CERTIFICATE

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

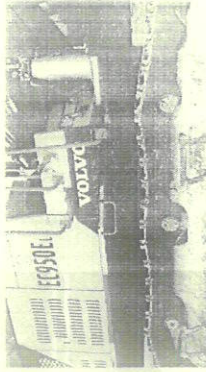
परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त 13129982

(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

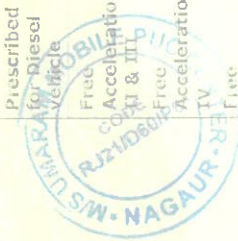
Photo of Vehicle



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 |



Valid for 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 |


 Director
 Marwar-Mundwa, Nagaur



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

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

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Email : team.bdhead@gmail.com

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

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./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 |

Notes :-

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

Puran Mal Yogi
Puran Mal Yogi

Rajesh Maheshi
Rajesh Maheshi



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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JDA/UDH

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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/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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Purni 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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Phone : +91 9460222039, 9460222049,
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
Puran Mal Yogi

Rajesh
Rajesh Maheshwar



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(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. : | 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 |

Notes :-

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Puran Majhi
Senior Analyst


Rajesh Anandeshwar
Authorized Signatory
(Report No: 400003127)



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

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502521400003128 | 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 Area <i>ML-I</i> | 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/m ³] | BDL (<10.0) | IS 5182 (Part 25) : 2018 | 400.00 |
| 2 | Carbon Monoxide [microgram/m ³] | 290 | TTH/AAQM/08 | 4000 |
| 3 | Lead [microgram/m ³] | 0.06 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 13.53 | 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] | 30.97 | IS 5182 (Part 24) : 2019 | 60.00 |
| 7 | Sulphur Dioxide [microgram/m ³] | 4.79 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM ₁₀) [microgram/m ³] | 69.72 | IS 5182 (Part 23)-2006 RA 2017 | 100.00 |
| 9 | Arsenic [ng/m ³] | BDL(<2.0) | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 6.00 |
| 10 | Nickel [ng/m ³] | 5.7 | IS 5182 : Part 26 : 2020 | 20.00 |

Notes :-

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Puran Mal Yogi
Puran Mal Yogi

Rajesh Maneswari
Rajesh Maneswari



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

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400003128 | 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 Area | 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/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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Puran Mal Yogi
Senior Analyst

Rajesh Maneshwar
Authorized Signatory
(Report No: 400003128)



TEAM TEST HOUSE

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

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

RSPCB

ISO 9001:2015

OHSAS 18001:2007

JDA/UDH

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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. | 400003139 | 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 : | 17-10-2021 |
| Point of Collection : | Soliyana Village AAQM-10 | 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] | 220 | 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] | 10.58 | 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] | 26.45 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 3.47 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 58.74 | IS 5182 (Part 23)-2006 RA 2017 | 100.00 |
| 9 | Arsenic [ng/m3] | BDL(<2.0) | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 6.00 |
| 10 | Nickel [ng/m3] | BDL(<2.0) | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 20.00 |

Notes :-

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Manoj Mal Yogi

Rajesh Maheshwar



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Email : marketinglab@teamtesthouse.com

TEST REPORT

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|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No. | 400003139 | 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 : | 17-10-2021 |
| Point of Collection : | Soliyana Village AAQM-10 | 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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Purni Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 400003139)



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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No. | 400003133 | 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 : | Khen Village AAQM-13 | 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] | 230 | IS 5182 (Part 10) : 1999 RA 2019 | 4000 |
| 3 | Lead [microgram/m ³] | 0.08 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 10.55 | 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] | 28.57 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m ³] | 3.47 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM ₁₀) [microgram/m ³] | 57.68 | 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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Puran Mal Yogi
Puran Mal Yogi

Rajesh Maheshwari
Rajesh Maheshwari



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| 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 : | Khen Village AAQM-13 | 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: 400003133)



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| Report No. | 400003132 | 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 | Kharda Village AAQM-12 | 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] | 230 | IS 5182 (Part 10) : 1999 RA 2019 | 4000 |
| | Lead [microgram/m ³] | 0.10 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 11.58 | IS 5182 (Part 6) : 2006 Reaffirmed 2017 | 80.00 |
| 5 | Ozone [microgram/m ³] | BDL(<20.0) | APHA 1977, Part 819 | 100.00 |
| 6 | Particulate Matter (PM _{2.5}) [microgram/m ³] | 29.64 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m ³] | 3.58 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM ₁₀) [microgram/m ³] | 63.45 | 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] | 2.74 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 20.00 |

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Puran
Puran Mai Yogi

Rajesh
Rajesh Mansiwar



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TEST REPORT

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| Report No. | 400003132 | 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 : | Kharda Village AAQM-12 | 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 Maheshwar
Authorized Signatory
(Report No: 400003132)



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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No. | 400003129 | 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 : | 14-10-2021 |
| Point of Collection : | Bhandana Village AAQM-14 | 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] | 0.07 | 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] | 26.50 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 5.28 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 65.64 | 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 Maheshwari



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TEST REPORT

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| 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 : | 14-10-2021 |
| Point of Collection | Bhandana Village AAQM-13 | 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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Rajesh Maheshwan
Authorized Signatory
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TEST REPORT

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| Report No. | 400003136 | 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 : | 14-10-2021 |
| Point of Collection : | Mundwa Village AAQM-15 | 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] | 270 | IS 5182 (Part 10) : 1999 RA 2019 | 4000 |
| 3 | Lead [microgram/m ³] | 0.11 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 13.47 | 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] | 19.26 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m ³] | 3.58 | 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] | 3.58 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 20.00 |

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Rajesh Maheshwar



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|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No. | 400003136 | 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 : | 14-10-2021 |
| Point of Collection : | Mundwa Village AAQM-15 | 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 |

Notes :-

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Puran Mal Yogi
Senior Analyst


Rakesh Maheshwan
Authorized Signatory
(Report No: 400003136)



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

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/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] | 0.07 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO2 [microgram/m3] | 11.53 | 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] | 21.38 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 3.45 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 61.43 | 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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P. Singh

Rajin



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

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/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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Puran Mal Yogi
Senior Analyst

Rajesh Maneswari
Authorized Signatory
(Report No: 400003131)



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Email : marketinglab@teamtesthouse.com

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/m ³] | BDL(<10.0) | CPCB Guidelines | 400.00 |
| 2 | Carbon Monoxide [microgram/m ³] | 250 | IS 5182 (Part 10) : 1999 RA 2019 | 4000 |
| 3 | Lead [microgram/m ³] | 0.11 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO ₂ [microgram/m ³] | 11.69 | 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] | 28.45 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m ³] | 3.65 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM ₁₀) [microgram/m ³] | 63.47 | 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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Puran Mal Yogi

Rajesh Maheshwar



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

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

Rajesh Maheshwari
Authorized Signatory
(Report No: 400003134)



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Email : director@teamtesthouse.com,
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 | 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. Maheshwari

Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

TEST REPORT

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|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| 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/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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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwari
Authorized Signatory
(Report No: 400003138)



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

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/m3] | BDL(<10.0) | CPCB Guidelines | 400.00 |
| 2 | Carbon Monoxide [microgram/m3] | 210 | 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] | 10.87 | 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] | 28.47 | CPCB Guidelines | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 3.54 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 67.48 | 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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Puran Mal Yogi

Rajesh Maheshwa



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

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 |

Notes :-

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Puran
Puran Mai Yogi
Senior Analyst

Rajesh
Rajesh Maheshwari
Authorized Signatory
(Report No: 400003130)



TEAM TEST HOUSE

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

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 |

Notes :-

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Puran Mal Yogi

Rajesh Maheshwan



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Email : marketinglab@teamtesthouse.com

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/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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Puran Mal Yogi
Senior Analyst


Rakesh Maheshwar
Authorized Signatory
(Report No: 400000734)



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

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

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 |

Notes :-

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Pooja Mal Yogi
Senior Analyst


Rajesh Maneswar
Authorized Signatory
(Report No: 400000735)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502522400000736 | 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 Area <i>ML-I</i> | 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
Rajesh Maheshwari



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400000736 | 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 Area | 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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Puran Mal Yogi
Puran Mal Yogi
Senior Analyst

Rajiv Manoj Swain
Rajiv Manoj Swain
Authorized Signatory
(Report No: 400000736)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502522400000737 | 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 Boundary Area <i>ML-I</i> | 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] | 0.12 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO2 [microgram/m3] | 11.8 | 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] | 28.49 | IS 5182 (Part 24) : 2019 | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 3.35 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 66.73 | 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
Puran Mar yogi

Rajesh
Rajesh Maheshwar



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

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400000737 | 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 Boundary Area | 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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Purnan Mal Yogi
Senior Analyst

Rajesh Maheshwari
Authorized Signatory
(Report No: 400000737)



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

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 Maheshwar



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Email : marketinglab@teamtesthouse.com

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/m3] | BDL (<1.0) | IS 5182 (Part 11) : 2012 RA 2017 | 5.00 |
| 2 | Benzo-alfa- Pyrene [ng/m3] | BDL(<0.5) | CPCB Guidelines | 1.00 |

Notes :-

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Senior Analyst Mal Yogi


Authorized Signatory
(Report No: 400000740)



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

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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Email : marketinglab@teamtesthouse.com

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 |

Notes :-

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Puran Mai Yogi
Senior Analyst

Rakesh Maheshwar
Authorized Signatory
(Report No: 400000745)



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Email : marketinglab@teamtesthouse.com

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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Purnan Mal Yogi

Rajesh Maheshwar



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TEST REPORT


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|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| 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/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
Rajesh Mal Yogi


Authorized Signatory
Rajesh Maheshwari
(Report No: 400000746)



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Email : marketinglab@teamtesthouse.com

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/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

(Report No: 400000747)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502522400000739 | 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 : | Soliyana | 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] | 170 | TTH/AAQM/08 | 4000 |
| 3 | Lead [microgram/m3] | 0.06 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO2 [microgram/m3] | 10.06 | 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] | 26.56 | IS 5182 (Part 24) : 2019 | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 6.34 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 72.49 | 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] | 11.4 | IS 5182 : Part 26 : 2020 | 20.00 |

Notes :-

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Puran
Puran Mal Yogi

Rajesh
Rajesh Maheshwar



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400000739 | 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 : | Soliyana | 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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Puran Mal Yogi
Senior Analyst


Rajesh Maheshwan
Authorized Signatory
(Report No: 400000739)



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

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502522400000741 | 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 : | Kharda | 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] | 360 | 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] | 12.79 | 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] | 32.84 | IS 5182 (Part 24) : 2019 | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 3.27 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 64.81 | 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 |

Notes :-

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Puran Mal Yogi
Puran Mal Yogi

Rajesh Maheshwan
Rajesh Maheshwan



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TEST REPORT

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|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400000741 | 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 : | Kharda | 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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Pawan Mal Yogi
Senior Analyst

Raju Kishanwan
Authorized Signatory
(Report No: 400000741)



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

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502522400000742 | 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 : | Khen | 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] | 0.15 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO2 [microgram/m3] | 12.34 | IS 5182 (Part 6) : 2006 Reaffirmed 2017 | 80.00 |
| 5 | Ozone [microgram/m3] | BDL (<20.0) | APHA 1977,Part 819 | 100.00 |
| 6 | Particulate Matter (PM2.5) [microgram/m3] | 27.52 | IS 5182 (Part 24) : 2019 | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 2.96 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 67.54 | 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

Puran Mal Yogi

Rajesh
Rajesh Maheshwar



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400000742 | 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 : | Khen | 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


Authorized Signatory
(Report No: 400000742)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502522400000743 | 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 : | Bhadana | 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] | 260 | TTH/AAQM/08 | 4000 |
| 3 | Lead [microgram/m3] | 0.12 | IS 5182 (Part 22) : 2004 Reaffirmed 2019 | 1.00 |
| 4 | Nitrogen Dioxide as NO2 [microgram/m3] | 10.45 | 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] | 32.04 | IS 5182 (Part 24) : 2019 | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 2.27 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 63.96 | 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] | 6.8 | IS 5182 : Part 26 : 2020 | 20.00 |

Notes :-

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Pujan Mal

Pujan Mal Yogi

Rajesh

Rajesh Maheshwari



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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400000743 | 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 : | Bhadana | 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
Purnima Mal Yogi


Authorized Signatory
Raresh Maheshwar
(Report No: 400000743)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | TC502522400000744 | 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 : | Mundwa | 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] | 270 | 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] | 11.59 | 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] | 29.09 | IS 5182 (Part 24) : 2019 | 60.00 |
| 7 | Sulphur Dioxide [microgram/m3] | 5.57 | IS 5182 (Part 2) : 2001 RA 2017 | 80.00 |
| 8 | Particulate Matter (PM 10) [microgram/m3] | 66.68 | 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] | 6.5 | IS 5182 : Part 26 : 2020 | 20.00 |

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Puran Mal Yogi

Rajesh Malleshwar



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Email : marketinglab@teamtesthouse.com

TEST REPORT


| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|
| Report No./ULR No. : | 400000744 | 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 : | Mundwa | 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


Authorized Signatory
(Report No: 400000744)



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Email : marketinglab@teamtesthouse.com

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

| 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 Maheshwan
Authorized Signatory



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

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC50252260000498 | 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 : | 13-03-2022 |
| Point of Collection : | ML-1 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)] | 64.2 | IS 9989 | 75 |
| 2 | Noise Level (Night Time) : Leq [dB(A)] | 59.8 | IS 9989 | 70 |

Notes :-

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Senior Analyst
Sunil Kumar


Authorized Signatory
(Report No: TC50252260000498)



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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC50252260000499 | 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 : | 13-03-2022 |
| Point of Collection : | ML-1 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)] | 64.5 | IS 9989 | 75 |
| 2 | Noise Level (Night Time) : Leq [dB(A)] | 55.2 | IS 9989 | 70 |

Notes :-

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Senior Analyst
Sunil Kumar


Authorized Signatory
Rajesh Maheshwar
(Report No: TC50252260000499)



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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC50252260000500 | 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-1 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)] | 65.3 | IS 9989 | 75 |
| 2 | Noise Level (Night Time) : Leq [dB(A)] | 55.8 | IS 9989 | 70 |

Notes :-

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Rajesh Maheshwari
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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC50252260000501 | 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-1 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)] | 65.1 | IS 9989 | 75 |
| 2 | Noise Level (Night Time) : Leq [dB(A)] | 50.5 | IS 9989 | 70 |

Notes :-

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Senior Analyst
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Rajesh Maheshwari
Authorized Signatory
(Report No: TC50252260000501)



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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC502522600000506 | 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 : | Working Pit | 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)] | 64.1 | IS 9989 | 75 |
| 2 | Noise Level (Night Time) : Leq [dB(A)] | 54.8 | IS 9989 | 70 |

Notes :-

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Senior Analyst
Sunil Kumar


Authorized Signatory
(Report No: TC502522600000506)



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Email : marketinglab@teamtesthouse.com

TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC502522600000507 | 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


Rajesh Maheshwari
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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC502522600000508 | 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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TEST REPORT

| | | | |
|-------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------|
| Report No./ULR No. : | TC502522600000509 | 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 : | Blasting Site | 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)] | 66.2 | 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


Rajesh Maheshwan
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(Report No: TC502522600000509)