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SHREE CEMENT LTD.

An ISO 9001, 14001, 45001 & 50001 Certified Company

Regd. Office:

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305901, RAJASTHAN, INDIA

SCL/RAS/MoEF&CC/2021-2022/3082

25/05/2021

To

Ministry of Env., Forest and Climate Change,
Integrated Regional Office, Jaipur ,
A-209&218, Aranya Bhawan, Mahatma Gandhi Road,
Jhalana Institutional Area, Jaipur – 304002, Rajasthan

Sub: - Compliance of conditions of environmental clearance by M/s Shree Cement Limited situated near Village – Ras, Tehsil – Jaitaran, District – Pali, Rajasthan.

Ref: - **EC letter No. letter no. J-11011/343/2012-IA-II(I) dated: 07th November 2017. & amendment EC letter no. J-11011/343/2012-IA-II(I) dated 29th May 2018**

Dear Sir,

Kindly refer to the above subjected matter and referred EC letter. We are submitting herewith the compliance report for the period from **October-2020 to March-2021**.

This is for your kind information please.

Thanking you,

Yours faithfully,
For Shree Cement Ltd.

(Dr. Anil Kumar Trivedi)
Sr. GM (Environment)

Copy to:

- 1) The Additional Chief Principal Conservator of Forest (C), Ministry of Environment & Forest, Regional Office (Central Region), Kendriya Bhavan, 5th Floor, Sector 'H' Aliganj, Lucknow (U.P.), Pin-226024
- 2) The In-Charge (Zonal Office), Central Pollution Control Board (CPCB), Vithal Market, Paryavaran Parisar, E-5, Arera Colony, Bhopal, Madhya Pradesh 462016
- 3) The Member Secretary, Rajasthan Pollution Control Board, 4, Institutional Area, Jhalana Doongri, JAIPUR-302004 (Rajasthan).

o/c Environment Department, Ras

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SHREE CEMENT LIMITED; Vill-RAS, Tehsil- JAITARAN, Dist- PALI (RAJASTHAN)
COMPLIANCE STATUS OF ENVIRONMENT CLEARANCE LETTER NO.: J-11011/343/2012-IA-II(I) dated: 07th
November 2017. & amendment EC letter no. J-11011/343/2012-IA-II(I) dated 29th May 2018
October-2020 to March-2021

| A | Specific Conditions | Compliances status |
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| (i) | The project proponent should install 24x7 air monitoring devices to monitor air emission, as provided by the CPCB and submit report to Ministry and its Regional Office. | <ul style="list-style-type: none"> • CEMS has been installed for continuous monitoring of PM, SO₂ and NO_x at the stack of all Kilns and Boiler & connected 24x7 with the RSPCB & CPCB servers. • Opacity meters have been installed for continuous monitoring of PM at the stack of coal mill, cement mill and clinker cooler & connected 24x7 with the RSPCB & CPCB servers. |
| (ii) | The Standards issued by the Ministry vide G.S.R No. 612 (E) dated 25 th August, 2014 and subsequent amendment dated 9 th May, 2016 and 10 th May, 2016 regarding cement plants with respect to particulate matter, SO ₂ and NO ₂ shall be followed. | <ul style="list-style-type: none"> • The stack of Raw Mill & Kiln, Clinker Cooler, Coal Mill, Cement mill of all units are complying with PM <30 mg/Nm³. All the stacks are installed with emission control devices like Bag house, ESPs. • PM emission levels are <50 mg/Nm³ for all boiler stacks. • Complying with SO₂ <100 mg/Nm³ for kiln. • Low NO_x burners have been installed with all kilns. • De-NO_x system have been provided at all kilns and boilers. |
| (iii) | Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. After expansion, limit of PM shall be controlled to meet prescribed standards by installing adequate air pollution control viz Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill. Low NO _x burners shall be provided to control NO _x emissions. Regular calibration of the instruments must be ensured. | <ul style="list-style-type: none"> • Opacity meters have been installed for continuous monitoring of PM at the stack of Raw mill & Kiln, Clinker Cooler, Cement mill, Coal mill and Boilers. • CEMS have been installed for continuous emission monitoring of SO₂ and NO_x at the stack of Raw Mill-Kiln and Boiler. • PM Emission level are <30 mg/Nm³ for Raw mill & kiln, Coal mill, Clinker Cooler and Cement mill stacks of all units. • PM Emission level are <50 mg/Nm³ for all Boiler stacks. • Adequate numbers of air pollution control devices have been installed at all the material transfer points & silos. • Low NO_x burners have been installed with all kilns. • De-NO_x system have been provided at all kilns and boilers. • Calibration of all instruments is being done on regular basis. |
| (iv) | Efforts shall be made to achieve power consumption of 70 units/tonne for Portland Pozzolana Cement (PPC) and 95 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker. | <ul style="list-style-type: none"> • Separate energy management cell has been established to monitor power & fuel consumption. Regular energy audits are performed and the findings are being implemented. • All suitable measures like VFD, high efficient motors have been adopted to reduce power consumption. |

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| (v) | The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed. | <ul style="list-style-type: none"> • Ambient air quality is being monitored at four locations of the plant boundary near main-gate, near mess, near stacker & reclaimer and towards village Khera and Jawangarh. • The ambient air quality is within the prescribed in National Ambient Air Quality Emission Standards issued by the Ministry. • Results of ambient air quality monitored are enclosed as Annexure-1. • Stack monitoring results for PM, SO₂ & NO_x are enclosed as Annexure-2. • Six monthly compliance reports are submitted on regular basis to the RO of the MOEF, CPCB and RPCB. |
| (vi) | AAQ Modelling shall be carried out based on the specific mitigative measures taken in the existing project and proposed for the expansion project to keep the emission well below prescribed standards. | <ul style="list-style-type: none"> • AAQ modeling was carried out during EIA study and submitted. • Emission levels are maintained within prescribed limits. |
| (vii) | Secondary fugitive emission shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines/Code or Practice issued by the CPCB in this regard shall be followed. | <ul style="list-style-type: none"> • CPCB guidelines for control of fugitive emissions have been implemented. • Following measures have been taken for the control of fugitive emissions: <ul style="list-style-type: none"> ◦ Covered vehicle for cement and clinker transportation ◦ Closed containers and bulkers for fly ash transportation ◦ Implementation of Rail transportation along with road transportation. ◦ All vehicle movement area are concreted. ◦ Silos for the storage of Clinker and fly ash. ◦ Covered storage for natural and synthetic gypsum. ◦ Circular stock pile storage for coal and petcoke. ◦ All unloading hoppers are covered and provided with bag filters. ◦ All conveyor belts are covered. ◦ Bag filters and dust collectors have been provided at all material transfer points. ◦ Water spray system has been provided with stacker & reclaimer and limestone unloading points. ◦ Vacuum sweeping machines are being used for better housekeeping. ◦ Green belt has been developed at all around the plant premises. ◦ Fugitive emissions are within limit. Emission level is enclosed as Annexure-3. <p>Photographs showing control measure taken for fugitive emissions are attached as Annexure-3</p> |
| (viii) | A statement on carbon budgeting including the quantum of equivalent CO ₂ being emitted by the existing plant operations, the amount of carbon sequestered annually by the existing green belt and the proposed green belt and the quantum of equivalent CO ₂ that will be | A team of experts performs the survey of the entire plant and collects the raw data for calculation of GHG emissions. Company follows the GCCA and "Energy Accounting and Reporting Standard for the Cement Industry" for the calculation of the GHG emissions. |

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| | submitted to the Ministry and the Regional Office of the Ministry. This shall be prepared every year by the project proponent. The first such budget shall be prepared within a period of 6 months and subsequently it should be prepared every year. | Every year a third party is engaged for assurance of the GHG data. During the year 2020-2021, CO ₂ emitted by existing plant operation was 9035189 Tons & sequestered CO ₂ was 6506.38 MT. |
| (ix) | For the employees working in high temperature zone falling in the plant operation areas, the total shift duration would be 4 hrs or less per day where the temperature is more than 50°C. Moreover, the jobs of these employees will be alternated in such a way that no employee is subjected to working in high temperature area for more than 1 hr continuously. Such employees would be invariably provided with proper protective equipment, garments and gears such as head gear, clothing, gloves, eye protection etc. There should also be an arrangement for sufficient drinking water at site to prevent dehydration etc. | <ul style="list-style-type: none"> • Cement plant & Power Plant are using state of art fully mechanized technology. • No direct exposure of human beings to the high temperature area. • PPEs are provided to all the plant workers. Specific PPE related to high temperature working zones are provided to the workmen working at the hot areas. Such area are demarked as Hot Area Work in the plant. • Drinking water & utility facilities are available at the site. |
| (x) | Arsenic and Mercury shall be monitored in emission, ambient air and water. | • Arsenic and Mercury in stack emissions, ambient air and ground water are carried out by approved lab. Reports are enclosed as Annexure-4 . |
| (xi) | The coal yard be lined and covered. | Covered Circular Stacker Reclaimer for storage of coal and pet coke are provided. |
| (xii) | The project proponent shall prepare a report on impact of project on surrounding reserve forests within six months and will get it approved from the state forest Department. A copy of the same should be submitted to the ministry and it's Regional Office. | <ul style="list-style-type: none"> • As per the EIA study report submitted to the Ministry, maximum distance of impact is up to 900 mtr. in NNE direction whereas the nearest reserve forest is at 5 Km in South direction hence there is no impact on reserve forest. • Study report has been submitted to the DFO Pali for approval. |
| (xiii) | The project proponent shall take all precautionary measures for conservation and protection of wild fauna found in the study area. A Wildlife Conservation Plan specific to this project site shall be prepared in consultation with the State Forest and Wildlife Department. A copy of the Conservation plan shall be submitted to the Ministry and its Regional Office | As per certified list of Fauna received from DFO Pali, there is no Schedule – I species in the study area, hence no conservation plan required. |
| (xiv) | The project proponent will also provide the latest status of the environmental compliances in respect of its existing plant. | Existing plant complying with all stipulated condition made under EC vide letter no. J-11011/343/2012-IA-II(I) dated: 07 th November 2017. & amendment EC letter no. J-11011/343/2012-IA-II(I) dated 29 th May 2018 |
| (xv) | Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emission shall be regularly monitored. | <p>Following measures have been taken for the control of emissions due to transportation:</p> <ul style="list-style-type: none"> ○ Cement and clinker are being transported in covered vehicles. ○ Fly ash is being transported in the closed containers and bulkers. ○ All vehicles used in transportation are loaded as per the capacity. ○ Vehicles with PUC are allowed only. ○ Rail transportation has been adopted along with road to reduce impact. |

| (xvi) | <p>Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated wastewater shall be recycled and reused in the process and/or for the dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.</p> | <ul style="list-style-type: none"> • All boilers of Power Plant & WHRS have been attached with air cooled condensers. • Cement manufacturing process is based on dry process technology. • RO reject from CPP & WHRS is being used for synthetic gypsum manufacturing within the plant premises. • Most of the underground water pipelines are converted to overhead pipelines. • Separate Water Cell is constituted for daily, monthly and yearly reporting of water consumption. • Domestic sewage generated from office & guest house toilets is being treated at STP and the treated water is used for plantation and greenbelt development. • 'Zero' liquid discharge has been achieved. | | | | | | | | | | | | | | | |
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| (xvii) | <p>Efforts shall be make to use rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.</p> | <ul style="list-style-type: none"> • Rain water collection pits have been developed at the following locations to use for plant & mining activities and to recharge the ground water. <table border="1" data-bbox="866 835 1525 1272"> <thead> <tr> <th>S. No</th><th>Structure</th><th>Water storage Capacity in KL</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Harvesting Pit-1 at Mines</td><td>1375000</td></tr> <tr> <td>2.</td><td>Harvesting Pit-2 at Mines</td><td>40000</td></tr> <tr> <td>3.</td><td>Harvesting Pit-3 near plant gate</td><td>147000</td></tr> <tr> <td>4.</td><td>Harvesting Pit-4 in Colony near Vill. Bhagatpura</td><td>40000</td></tr> </tbody> </table> <ul style="list-style-type: none"> • Total water requirement for entire Ras project (Cement, Power, Mine and Residential colony) is <4380 KLD. • CGWA permission has been granted to withdraw 4000 KLD ground water. • The balance 380 KLD water is being used from the rain water collected in above pits. | S. No | Structure | Water storage Capacity in KL | 1. | Harvesting Pit-1 at Mines | 1375000 | 2. | Harvesting Pit-2 at Mines | 40000 | 3. | Harvesting Pit-3 near plant gate | 147000 | 4. | Harvesting Pit-4 in Colony near Vill. Bhagatpura | 40000 |
| S. No | Structure | Water storage Capacity in KL | | | | | | | | | | | | | | | |
| 1. | Harvesting Pit-1 at Mines | 1375000 | | | | | | | | | | | | | | | |
| 2. | Harvesting Pit-2 at Mines | 40000 | | | | | | | | | | | | | | | |
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| 4. | Harvesting Pit-4 in Colony near Vill. Bhagatpura | 40000 | | | | | | | | | | | | | | | |
| (xviii) | <p>Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986.</p> | <ul style="list-style-type: none"> • There is no effluent discharge on land or outside of the plant premises. • Sewage generated from office, canteen/mess and guest house toilets is being treated at STP, and treated water is used for plantation & greenbelt development. Analysis report of STP treated water is enclosed as Annexure-5. Photograph of STP is attached as Annexure-5. • Ground water level and quality monitoring is being carried out on regular basis. Ground water level for last 3 years is given in Annexure-6 and ground water quality reports are enclosed as Annexure-7. | | | | | | | | | | | | | | | |

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| (xix) | All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/re-processors only. | <ul style="list-style-type: none"> • Dust collected in air pollution control equipment is being reused in process. • Used lead acid batteries are sold to authorized recycler / preprocessors only. • Used oil generated from entire complex is being coprocessor in kilns and sold to authorized recyclers. |
| (xx) | The kiln shall be provided with a flexible fuel feeding system to enable use of hazardous wastes and other wastes including biomass, etc. | <ul style="list-style-type: none"> • Flexible fuel feeding system to utilize hazardous waste & other waste are provided. • Various hazardous waste such as paint sludge, ETP sludge, phosphate sludge, oily rags etc. are being utilized. • Separate AFR cell is constituted for management and utilization of Hazardous and non – hazardous wastes. |
| (xxi) | The proponent shall examine and prepare a plan for utilisation of high calorific wastes such as chemical wastes, distillation residues, refuse derived fuels, etc as alternate fuels based on availability and composition. For this, the proponent shall identify suitable industries with such wastes and enter into an MOU for long-term utilisation of such wastes as per the Environment (Protection) Rules, 1986 and with necessary approvals. | <ul style="list-style-type: none"> • We have in-house CSIR recognized R&D and AFR Cell for utilization of alternate raw material and fuels. • Lead Zinc slag of Hindustan Zinc Limited and other solid wastes are being used as alternative raw material in place of iron ore. • CPCB & RSPCB permissions have been obtained for the following HW / waste materials are used as AFR: <ul style="list-style-type: none"> ○ Paint sludge. ○ ETP sludge and Phosphate sludge of automobile industries. ○ CETP sludge of Pali, Bhiwadi. ○ Chemical Gypsum ○ Solid mix waste and liquid mix waste ○ Oil soaked cotton and grinding waste ○ Oily rags & incineration ash ○ Furnace/Reactor residue and debris ○ Tarry residues (TDI Tar) ○ Oily sludge emulsion ○ Residues from alkali wash of fuels ○ Spent catalyst and molecular sieves ○ Sludge from acid recovery unit ○ Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse ○ Cargo residue, washing water and sludge containing oil ○ Ballast water containing oil from ships ○ Exhaust Air or Gas cleaning residue ○ Oil and grease skimming ○ Slop oil ○ Waste cutting oils ○ Trade rejected/Date expired products ○ ETP Bio solid from soft drink industry ○ Spent Carbon from soft drink Industries ○ WTP sludge from soft drink industry ○ Carbide lime sludge ○ Spent catalyst and molecular sieves. |
| (xxii) | Efforts shall be made to use the high calorific | <ul style="list-style-type: none"> • We have in-house CSIR recognized R&D |

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| | hazardous waste in the cement kiln and necessary provision shall be made accordingly. The PP shall enter into an MOU with units with potential for generating hazardous waste and in accordance with Hazardous Waste Regulations and prior approval of the MPPCB. | <p>and AFR Cell for utilization of alternate raw material and fuels.</p> <ul style="list-style-type: none"> • Lead Zinc slag of Hindustan Zinc Limited and other solid wastes are being used as alternative raw material in place of iron ore. • CPCB & RSPCB permissions have been obtained for the following HW / waste materials are used as AFR: <ul style="list-style-type: none"> • Paint sludge. • ETP sludge and Phosphate sludge of automobile industries. • CETP sludge of Pali, Bhiwadi. • Chemical Gypsum • Solid mix waste and liquid mix waste • Oil soaked cotton and grinding waste • Oily rags & incineration ash • Furnace/Reactor residue and debris • Tarry residues (TDI Tar) • Oily sludge emulsion • Residues from alkali wash of fuels • Spent catalyst and molecular sieves • Sludge from acid recovery unit • Contaminated aromatic, aliphatic or naphthenic solvents may or may not be fit for reuse • Cargo residue, washing water and sludge containing oil • Ballast water containing oil from ships • Exhaust Air or Gas cleaning residue • Oil and grease skimming • Slop oil • Waste cutting oils • Trade rejected/Date expired products • ETP Bio solid from soft drink industry • Spent Carbon from soft drink Industries • WTP sludge from soft drink industry • Carbide lime sludge |
| (xxiii) | Green belt over 33% of the total project area shall be developed within plant premises with at least 10-meter-wide green belt on all sides along the periphery of the project area and along road sides etc. by planting native and broad leaved species in consultation with local DFO, local community and as per the CPCB guidelines. Plantation at all the neighboring villages should be done along the road and in free areas | <ul style="list-style-type: none"> • 3 layers plantation has been provide along with boundary wall. • Out of total plant area of 187.56 hectare, green belt has been developed in 63.8 hectares (34%) area with 165311 numbers of saplings. • Local native species viz. <i>Neem</i>, <i>Karanj</i>, <i>paltfarm</i>, <i>acacia species</i>, <i>dak</i>, <i>gulmohar</i> etc. are planted. Photographs are attached as Annexure-10. |
| (xxiv) | The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly. | <ul style="list-style-type: none"> • Solar lights are provided. |
| (xxv) | The project proponent shall provide for LED lights in their offices and residential areas. | <ul style="list-style-type: none"> • LED lights with occupancy sensor provided in office. • LED lights provided in Bagatpura residential township. |

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| (xxvi) | All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented. | <ul style="list-style-type: none"> All CREP recommendations have been implemented. Detailed CREP compliance status is attached as <u>Annexure-9</u> |
| (xxvii) | At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. | <p>CSR plan for next 5 year has been submitted on 29/11/2017.</p> <p>Company is engaged in extensive social welfare works under CSR activities. Total expenses on social welfare activities for the year 2020-2021 was INR 617.88 Lacs for all units of cement, power and mining.</p> |
| (xxviii) | The proponent shall prepare a detailed CSR Plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise(Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The plan so prepared shall be based on SMART (Specific, Measurable, Relevant and Time bound) concept. The expenditure should be aimed at sustainable development and direct free distribution and temporary relief should not be included. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company. | <p>CSR plan for next 5 year has been submitted on 29/11/2017.</p> <p>Company is engaged in extensive social welfare works under CSR activities. Total expenses on social welfare activities for the year 2020-2021 was INR 617.88 lac for all units of cement, power and mining.</p> <p>Company has constituted separate CSR cell with experts from the field of social, civil, IT, education, medical, environment etc.</p> <p>The dedicated team regularly visits the nearby communities and identify the various needs and programs are developed for implementation of the same.</p> <p>Regular internal and external audits are carried out to further improve the CSR programs in the nearby communities.</p> <p>Every year the CSR budget is prepared and inventory of the expenditure is being maintained.</p> |
| (xxix) | A Risk Assessment Study and Disaster Preparedness and Management Plan along with the mitigation measures shall be prepared with a focus of the Disaster Prevention and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter. | Disaster management plan submitted vide letter dt. 29/11/2017. |
| (xxx) | To educate the workers, all the work place where dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects. | <ul style="list-style-type: none"> Training programs being organized for workers on regular basis. Sign boards have been displayed at all health associated risk area. Adequate PPE's such as ear muffs / ear plugs, helmet, dust mask and shoes have been provided to workers. |

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| | | <ul style="list-style-type: none"> All necessary facilities such as toilets, drinking water, medical health, fuel etc. has been provided to construction labors. |
| (xxxii) | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. | <ul style="list-style-type: none"> Facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, cretches etc have been provided to construction labours. Temporary housing facility for construction labour has been constructed by the industry. |
| (xxxii) | Required permission for withdrawal from the ground water resources shall be obtained from the CGWA for the total requirement of 3500 m ³ /day of water | <ul style="list-style-type: none"> CGWA NOC for ground water withdrawal of 4000 KLD obtained and renewal pending with CGWA. |
| | General Conditions | Compliances |
| (i) | The project authorities must strictly adhere to the stipulations made by the Rajasthan Pollution Control Board and the State Government. | Complying with all the stipulation made by the RSPCB and state govt. |
| (ii) | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC). | For further expansion, prior approval will be obtained from MoEF&CC. |
| (iii) | At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB/CPCB once in six months. | <p>Ambient air quality is being monitored at the four locations inside the plant boundary near main-gate, near mess, near stacker & reclaimer and towards village Khera and Jawangarh.</p> <p>Complying with the National Ambient Air Quality Emission Standards issued by the Ministry. Stack emission levels are maintained within the stipulated norms. Data of AAQ and stack emission is given as Annexure-1 & 2. Six monthly compliance reports are being submitted on regular basis to the Ministry of RO office of the MOEF/CPCB and RPCB.</p> |
| (iv) | Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19 th May, 1993 and 31 st December 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose. | <ul style="list-style-type: none"> No effluent is being generated from the dry cement manufacturing process. RO reject water generated from captive power plant is being utilized in synthetic gypsum manufacturing and ash quenching. Domestic sewage generated from office, mess and guest house toilet is being treated, and treated water is used for plantation & greenbelt development. |
| (v) | The overall noise level in and around the plant area shall be kept well within the standards (85 dB(A) during night time. | <p>Overall noise level in and around the plant area is within the prescribed standards of 85 dB (A). Ambient noise levels at the plant boundary are well within the standards prescribed under EPA Rules viz 75 dB (A) (Day time) and 70 dB (A) (Night time.) Reports are enclosed as Annexure-8</p> |
| (vi) | Occupational health surveillance of the workers shall be done on regular basis and records maintained as annexure per the Factories Act. | <ul style="list-style-type: none"> Occupational Health Management Center with specialist has been established. Occupational Health Surveillance programmes are being carried out on regular basis and |

| | Factories Act. | <p>are being carried out on regular basis and record of the same is maintained as per Factories Act.</p> <ul style="list-style-type: none">Health Checkup is being carried out on annual basis. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|---|--------|-----------|------------------------------|----|---------------------------|---------|----|---------------------------|-------|----|----------------------------------|--------|----|--|-------|--------|---|----------------|--|----|--|----------------|--|---|---|---|--|---|--|---|--|---|--|----------------|--|---|--|---|---|---|---|---|---|----|--|----|--|----------------|--|----|---|
| (vii) | The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table. | <ul style="list-style-type: none">Rain water collection pits have been developed at the following locations to use for plant & mining activities and to recharge the ground water <table><tr><th>Sr. No</th><th>Structure</th><th>Water storage Capacity in KL</th></tr><tr><td>1.</td><td>Harvesting Pit-1 at Mines</td><td>1375000</td></tr><tr><td>2.</td><td>Harvesting Pit-2 at Mines</td><td>40000</td></tr><tr><td>3.</td><td>Harvesting Pit-3 near plant gate</td><td>147000</td></tr><tr><td>4.</td><td>Harvesting Pit-4 in Colony near Vill. Bhagatpura</td><td>40000</td></tr></table> <ul style="list-style-type: none">Following rain water harvesting measures have been developed outside the plant premises. <table><tr><th>S.N O.</th><th>Watershed development & Construction of Anicuts</th></tr><tr><td colspan="2">Year 2015-2016</td></tr><tr><td>1.</td><td>Construction of anicut in Roopnagar(Ras) village</td></tr><tr><td colspan="2">Year 2010-2011</td></tr><tr><td>1</td><td>Construction of anicut in Bagatpura village</td></tr><tr><td>2</td><td>Construction of anicut in Bhimgarh village</td></tr><tr><td>3</td><td>Construction of anicut in Kanyakhedi village</td></tr><tr><td>4</td><td>Rooftop water harvesting in 12 schools</td></tr><tr><td>5</td><td>Construction of Rapat (Nimbeti to Jawangarh village)</td></tr><tr><td colspan="2">Year 2009-2010</td></tr><tr><td>6</td><td>Watershed development project for all villages</td></tr><tr><td>7</td><td>Small check dam/Anicut, Village Nimbeti</td></tr><tr><td>8</td><td>Construction of anicut in Nimbeti river</td></tr><tr><td>9</td><td>Construction of anicut in Kheda Village</td></tr><tr><td>10</td><td>Construction of anicut in Bhimgarh Village</td></tr><tr><td>11</td><td>Pal construction at Anicut Nimbeti river</td></tr><tr><td colspan="2">Year 2008-2009</td></tr><tr><td>12</td><td>Construction/Repairing of anicut in Nimbeti village</td></tr></table> | Sr. No | Structure | Water storage Capacity in KL | 1. | Harvesting Pit-1 at Mines | 1375000 | 2. | Harvesting Pit-2 at Mines | 40000 | 3. | Harvesting Pit-3 near plant gate | 147000 | 4. | Harvesting Pit-4 in Colony near Vill. Bhagatpura | 40000 | S.N O. | Watershed development & Construction of Anicuts | Year 2015-2016 | | 1. | Construction of anicut in Roopnagar(Ras) village | Year 2010-2011 | | 1 | Construction of anicut in Bagatpura village | 2 | Construction of anicut in Bhimgarh village | 3 | Construction of anicut in Kanyakhedi village | 4 | Rooftop water harvesting in 12 schools | 5 | Construction of Rapat (Nimbeti to Jawangarh village) | Year 2009-2010 | | 6 | Watershed development project for all villages | 7 | Small check dam/Anicut, Village Nimbeti | 8 | Construction of anicut in Nimbeti river | 9 | Construction of anicut in Kheda Village | 10 | Construction of anicut in Bhimgarh Village | 11 | Pal construction at Anicut Nimbeti river | Year 2008-2009 | | 12 | Construction/Repairing of anicut in Nimbeti village |
| Sr. No | Structure | Water storage Capacity in KL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Harvesting Pit-1 at Mines | 1375000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Harvesting Pit-2 at Mines | 40000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Harvesting Pit-3 near plant gate | 147000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Harvesting Pit-4 in Colony near Vill. Bhagatpura | 40000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.N O. | Watershed development & Construction of Anicuts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year 2015-2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Construction of anicut in Roopnagar(Ras) village | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year 2010-2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Construction of anicut in Bagatpura village | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Construction of anicut in Bhimgarh village | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Construction of anicut in Kanyakhedi village | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Rooftop water harvesting in 12 schools | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Construction of Rapat (Nimbeti to Jawangarh village) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year 2009-2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Watershed development project for all villages | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Small check dam/Anicut, Village Nimbeti | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Construction of anicut in Nimbeti river | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Construction of anicut in Kheda Village | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Construction of anicut in Bhimgarh Village | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Pal construction at Anicut Nimbeti river | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Year 2008-2009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Construction/Repairing of anicut in Nimbeti village | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | <table><tr><td>13</td><td>JawangarhAnicut</td></tr><tr><td>14</td><td>Bhairav Ji Dhani Anicut Jawangarh Anicut</td></tr></table> <ul style="list-style-type: none">Artificial recharge structures (de-silting & filter pits) have been provided with dug wells and bore wells inside the plant premises to recharge the ground water.After year 2016, artificial rain water recharge structures were made outside plant premises i.e. 04 nos of Nadi were constructed in Bhimgarh, Butiwas, Kundal and Bagatpura villages. 04 nos. of west wears were constructed near Roopnagar village. 03 nos. CCT (Continuous Contour Trenched) were constructed near Mohangarh, Kotadiya and Bakhtawarpura. 10 nos. MPT (Multi Percolating Tanks) were constructed near Kurki village. | 13 | JawangarhAnicut | 14 | Bhairav Ji Dhani Anicut Jawangarh Anicut | | | | | | | | | | | | |
|-------------|---|--|--------------|-----------------|-----------|--|-------|--------------|--------------|--------------|-------|-------------|-------------|-------------|-------|--------------|--------------|--------------|
| 13 | JawangarhAnicut | | | | | | | | | | | | | | | | | |
| 14 | Bhairav Ji Dhani Anicut Jawangarh Anicut | | | | | | | | | | | | | | | | | |
| (viii) | The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc. | Complying with EIA/EMP study report. | | | | | | | | | | | | | | | | |
| (ix) | Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF& CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Lucknow. The funds so provided shall not be diverted of any other purpose. | <ul style="list-style-type: none">All the pollution control measures have been implemented.The last three years recurring cost for the environment pollution control is given as below- <table><tr><th>Description</th><th>2018-2019</th><th>2019-2020</th><th>2020-2021</th></tr><tr><td>Plant</td><td>1370.29 Lacs</td><td>1196.85 Lacs</td><td>1193.20 Lacs</td></tr><tr><td>Mines</td><td>297.99 Lacs</td><td>305.58 Lacs</td><td>304.47 Lacs</td></tr><tr><td>Total</td><td>1668.28 Lacs</td><td>1502.41 Lacs</td><td>1494.67 Lacs</td></tr></table> | Description | 2018-2019 | 2019-2020 | 2020-2021 | Plant | 1370.29 Lacs | 1196.85 Lacs | 1193.20 Lacs | Mines | 297.99 Lacs | 305.58 Lacs | 304.47 Lacs | Total | 1668.28 Lacs | 1502.41 Lacs | 1494.67 Lacs |
| Description | 2018-2019 | 2019-2020 | 2020-2021 | | | | | | | | | | | | | | | |
| Plant | 1370.29 Lacs | 1196.85 Lacs | 1193.20 Lacs | | | | | | | | | | | | | | | |
| Mines | 297.99 Lacs | 305.58 Lacs | 304.47 Lacs | | | | | | | | | | | | | | | |
| Total | 1668.28 Lacs | 1502.41 Lacs | 1494.67 Lacs | | | | | | | | | | | | | | | |
| (x) | A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom, suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent. | <ul style="list-style-type: none">Copy of environment clearance letter has been sent on 08/11/2017 to the followings:- (copy submitted on 29/11/2017)<ul style="list-style-type: none">✓ Gram Panchayat, Ras✓ Gram Panchayat, Butiwas✓ Nagar Palika, Jaitaran✓ ZilaParishad, Pali✓ SDM, PaliEC letter has been placed on our website:- www.shreecement.in | | | | | | | | | | | | | | | | |

| | | |
|--------|--|--|
| (xi) | <p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF&CC at Lucknow. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p> | <ul style="list-style-type: none"> • Status of compliance of the stipulated environment clearance conditions, including results of monitored data are available on company's website and shall be updated periodically. • Four ambient air quality-monitoring stations have been installed at plant premises as suggested by the Regional office of RSPCB. • Data on ambient air quality and stack emission are being carried out regularly and result of which submitted monthly to the RSPCB and six monthly to the Ministry & CPCB-Bhopal. |
| (xii) | <p>The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The Regional office of this Ministry at Lucknow/CPCB/SPCB shall monitor the stipulated conditions.</p> | <ul style="list-style-type: none"> • Compliance of the stipulated environment clearance conditions, including results of monitored data are being submitted on six monthly basis to the Ministry of Environment and Forests, its Regional Office, Lucknow, Central Pollution Control Board and State Pollution Control Board. |
| (xiii) | <p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF&CC at Lucknow by e-mail.</p> | <ul style="list-style-type: none"> • Every year in the month of September, Environment statement is being submitted to the concerned authorities. • Environment Statement & EC compliance have been uploaded on the website:- www.shreecement.in |
| (xiv) | <p>Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at the Website of the Ministry of Environment, Forests and Climate Change at http://envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Lucknow.</p> | <ul style="list-style-type: none"> • Advertisement has been given in two local newspapers widely circulated in the region namely, Rajasthan Patrika and Dainik Navjyoti on 11/11/2017. |

| | | |
|------|--|---|
| (xv) | Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work. | <ul style="list-style-type: none"> The date of commissioning of various units is given as below: <ul style="list-style-type: none"> Cement plant Unit-III : 2005 Cement plant Unit-IV : 2007 Clinker Unit-V : 2007 Clinker Unit-VI : 2008 Clinker Unit-VII : 2009 Clinker Unit-VIII : 2010 Clinker Unit-IX : 2013 Clinker Unit -X : 2014 Ras New Cement Unit : 2014 CPP 80 MW : 2007 –2008 CPP 100 MW : 2010 Waste heat recovery power plant : 2010 Synthetic Gypsum Plant : 2015 Nimbeti Limestone mine : Since 1997 |
|------|--|---|

Annexure-I
Ambient Air Quality Monitoring Data: (All values in $\mu\text{g}/\text{m}^3$)

| Location | Near Main gate | | | | Near Mess | | | | Toward Stacker & Reclaimer | | | | Toward Vill: Khera & Jawangarh | | | |
|----------|-------------------|------------------|-----------------|-----------------|-------------------|------------------|-----------------|-----------------|----------------------------|------------------|-----------------|-----------------|--------------------------------|------------------|-----------------|-----------------|
| Month | PM _{2.5} | PM ₁₀ | SO ₂ | NO _x | PM _{2.5} | PM ₁₀ | SO ₂ | NO _x | PM _{2.5} | PM ₁₀ | SO ₂ | NO _x | PM _{2.5} | PM ₁₀ | SO ₂ | NO _x |
| Oct-2020 | 14.4 | 21.5 | 9.1 | 12.0 | 12.9 | 22.3 | 11.9 | 12.6 | 10.9 | 18.8 | 11.0 | 12.3 | 12.3 | 19.5 | 10.1 | 11.8 |
| Nov-2020 | 17.6 | 26.0 | 10.1 | 12.2 | 15.3 | 25.5 | 12.3 | 13.1 | 15.3 | 25.5 | 11.6 | 12.6 | 18.5 | 25.3 | 10.9 | 12.0 |
| Dec-2020 | 21.0 | 28.5 | 11.0 | 11.7 | 18.6 | 30.5 | 12.1 | 12.1 | 19.6 | 29.3 | 11.9 | 11.7 | 20.6 | 30.4 | 11.4 | 11.3 |
| Jan-2021 | 28.8 | 38.5 | 14.2 | 16.4 | 26.9 | 39.0 | 16.0 | 16.8 | 25.9 | 37.9 | 15.1 | 15.6 | 28.4 | 40.5 | 13.9 | 15.1 |
| Feb-2021 | 32.9 | 39.5 | 11.1 | 16.9 | 28.6 | 41.8 | 11.9 | 16.7 | 30.0 | 40.4 | 11.3 | 16.0 | 30.9 | 41.3 | 10.9 | 15.6 |
| Mar-2021 | 37.6 | 42.5 | 8.4 | 16.9 | 33.3 | 47.1 | 10.3 | 17.1 | 33.8 | 49.6 | 8.9 | 17.6 | 34.3 | 47.6 | 8.3 | 17.0 |

Stack Emission Monitoring Data: (Particulate Matter (All Value in mg/Nm³))

| Units | Location of Stack | Oct-2020 | Nov-2020 | Dec-2020 | Jan-2021 | Feb-2021 | Mar-2021 |
|------------------|---------------------|----------|----------|----------|----------|----------|----------|
| Unit-III | Raw mill & Kiln | 16.0 | 15.0 | 23.0 | 12.0 | 26.0 | 10.2 |
| | Coal mill | 13.0 | 14.0 | 13.0 | 15.0 | 12.0 | 15.2 |
| | Cooler | 11.0 | 20.0 | 16.0 | 20.0 | 10.0 | 16.0 |
| | Cement mill | 25.0 | 16.0 | 19.0 | 13.0 | 22.0 | 20.1 |
| Unit-IV | Raw mill & Kiln | 16.0 | 15.0 | 23.0 | 10.0 | 26.0 | 19.4 |
| | Coal mill | 14.6 | 11.0 | 13.0 | 22.0 | 14.0 | 17.0 |
| | Cooler | 7.0 | 10.0 | 9.0 | 5.0 | 4.0 | 4.0 |
| | Cement mill | 14.3 | 19.0 | 26.0 | 17.5 | 21.0 | 16.7 |
| Unit-V | Raw mill & Kiln | 9.0 | 8.0 | 6.0 | 12.0 | 8.0 | 13.6 |
| | Coal mill | 17.6 | 11.0 | 19.0 | 20.1 | 15.0 | 20.6 |
| | Cooler | 19.0 | 18.0 | 15.0 | 12.0 | 25.0 | 14.2 |
| Unit-VI | Raw mill & Kiln | 23.2 | 22.0 | 21.0 | 13.2 | 20.0 | 19.6 |
| | Coal mill | 12.2 | 13.0 | 14.0 | 13.0 | 11.0 | 18.3 |
| | Cooler | 10.6 | 7.0 | 6.0 | 7.5 | 5.0 | 18.4 |
| Unit-VII | Raw mill & Kiln | 20.3 | 14.0 | 13.0 | 11.6 | 14.0 | 17.7 |
| | Coal mill | 10.0 | 13.0 | 12.0 | 20.0 | 10.0 | 13.5 |
| | Cooler | 8.0 | 9.0 | 10.0 | 6.0 | 23.0 | 9.7 |
| Unit-VIII | Raw mill & Kiln | 14.7 | 18.0 | 17.0 | 14.0 | 13.0 | 16.9 |
| | Coal mill | 16.6 | 15.0 | 18.0 | 18.0 | 16.0 | 17.1 |
| | Cooler | 11.8 | 8.0 | 12.0 | 10.0 | 8.0 | 12.8 |
| Unit-IX | Raw mill & Kiln | 26.5 | 19.0 | 20.0 | 22.0 | 25.0 | 21.6 |
| | Coal mill | 12.7 | 18.0 | 17.0 | 13.0 | 17.0 | 15.4 |
| | Cooler | 8.3 | 6.0 | 9.0 | 7.0 | 11.0 | 10.0 |
| Unit-X | Raw mill & Kiln | 21.8 | 20.0 | 23.0 | 19.0 | 12.0 | 19.7 |
| | Coal mill | 17.0 | 13.0 | 27.0 | 23.0 | 16.0 | 18.2 |
| | Cooler | 18.0 | 12.0 | 16.0 | 10.0 | 23.0 | 12.0 |
| RNCU (VRM) | Cement mill | 13.0 | 16.0 | 17.0 | 15.0 | 19.0 | 14.8 |
| RNCU (Ball Mill) | Cement mill | 10.0 | 20.0 | 13.0 | 18.0 | 17.0 | 22.2 |
| Synthetic Gypsum | Mixer and Den | 16.0 | 11.5 | 8.0 | 6.2 | 12.0 | 18.8 |
| | Limestone Ball Mill | 14.0 | 15.9 | 10.5 | 15.0 | 18.0 | 22.0 |
| Power Plant | Boiler-II & III | 37.0 | 29.7 | 35.2 | 28.0 | 33.0 | 16.0 |
| | Boiler- IV & V | 33.0 | 38.6 | 42.2 | 41.0 | 44.0 | 28.0 |
| | Boiler- VI & VII | 41.0 | 36.0 | 32.4 | 36.0 | 39.0 | 41.0 |

Stack Emission Monitoring Data: (NO_x & SO₂) (All Value in mg/Nm³)

| Units | Location of Stack | Parameter | Oct-2020 | Nov-2020 | Dec-2020 | Jan-2021 | Feb-2021 | Mar-2021 |
|-------------|------------------------|-----------------|----------|----------|----------|----------|----------|----------|
| Unit-III | Raw mill & Kiln Stack | NO _x | 502.0 | 598.5 | 402.4 | 368.6 | 371.2 | 483.5 |
| | | SO ₂ | 14.3 | 11.6 | 9.7 | 13.6 | 17.9 | 22.4 |
| Unit-IV | Raw mill & Kiln Stack | NO _x | 502.0 | 598.5 | 402.4 | 378.3 | 384.4 | 411.0 |
| | | SO ₂ | 14.3 | 11.6 | 9.7 | 18.2 | 15.6 | 12.5 |
| Unit-V | Raw mill & Kiln Stack | NO _x | 518.2 | 462.6 | 588.8 | 491.6 | 441.6 | 479.5 |
| | | SO ₂ | 26.3 | 30.7 | 12.9 | 18.1 | 23.1 | 13.3 |
| Unit-VI | Raw mill & Kiln Stack | NO _x | 497.6 | 511.3 | 492.8 | 529.7 | 461.0 | 480.0 |
| | | SO ₂ | 10.0 | 8.6 | 11.0 | 14.2 | 13.2 | 10.4 |
| Unit-VII | Raw mill & Kiln Stack | NO _x | 391.0 | 410.0 | 421.0 | 416.7 | 452.3 | 520.1 |
| | | SO ₂ | 16.7 | 9.0 | 0.0 | 19.7 | 12.6 | 35.2 |
| Unit-VIII | Raw mill & Kiln Stack | NO _x | 330.8 | 542.3 | 592.7 | 456.4 | 404.9 | 467.1 |
| | | SO ₂ | 18.6 | 8.1 | 17.4 | 13.0 | 21.1 | 17.6 |
| Unit-IX | Raw mill & Kiln Stack | NO _x | 226.2 | 416.4 | 597.5 | 506.4 | 423.9 | 453.9 |
| | | SO ₂ | 11.3 | 6.9 | 14.8 | 18.4 | 28.8 | 3.8 |
| Unit-X | Raw mill & Kiln Stack | NO _x | 502.5 | 464.8 | 453.9 | 464.6 | 398.1 | 489.3 |
| | | SO ₂ | 10.0 | 11.6 | 13.4 | 10.4 | 16.1 | 13.2 |
| Power Plant | Boiler-II & III Stack | NO _x | 169.7 | 132.0 | 79.2 | 113.1 | 84.8 | 94.3 |
| | | SO ₂ | 78.7 | 65.6 | 55.1 | 39.3 | 26.2 | 26.2 |
| | Boiler- IV & V Stack | NO _x | 235.7 | 201.7 | 165.9 | 173.4 | 113.1 | 133.9 |
| | | SO ₂ | 30.4 | 22.0 | 33.6 | 47.2 | 31.5 | 47.2 |
| | Boiler- VI & VII Stack | NO _x | 84.8 | 103.7 | 82.8 | 95.4 | 130.1 | 111.2 |
| | | SO ₂ | 21.0 | 39.3 | 27.5 | 42.0 | 49.8 | 26.2 |

Annexure-3
Fugitive Emission :- (All Values in $\mu\text{g}/\text{m}^3$)

| Location Month | Gypsum storage | Lime stone stock pile | Coal storage area | Fly ash silo | Packing plant III & IV | Packing plant RNCU |
|-------------------|-------------------|--------------------------|----------------------|--------------|---------------------------|--------------------------|
| Norms | 5000 | 5000 | 2000 | 5000 | 5000 | 5000 |
| Oct-2020 | 2256 | 2089 | 1374 | 2201 | 2110 | 1924 |
| Nov-2020 | 2291 | 2119 | 1407 | 2256 | 2137 | 2011 |
| Dec-2020 | 2218 | 2179 | 1553 | 2334 | 2241 | 2094 |
| Jan-2021 | 3007 | 3651 | 1863 | 2919 | 3581 | 3364 |
| Feb-2021 | 3568 | 3812 | 1937 | 3744 | 3340 | 3691 |
| Mar-2021 | 3826 | 3367 | 1655 | 3907 | 3741 | 2844 |

Photographs showing material covered storage yards to control Fugitive Emission

Coal / Petcoke Storage (Circular Staicker & Reclaimer)



Gypsum Storage Yard



Fly ash & pond ash storage yard



Fly ash & pond ash storage yard



AFR storage yard



AFR storage yard





EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No., 9818405427, 9810240678, 8826344487 E-mail: email@ekopro.in, ekoproengineers@gmail.com; website: www.ekopro.in

TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/270/071220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Air
Sample Drawn on : 05/12/2020 To 06/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 07/12/2020
Sampling Location : Plant Boundary Near Main Gate
Sampling Time : 24.0 Hrs.
Sampling Plan & Procedure : SOP-AAQ/15
Analysis Duration : 07/12/2020 To 10/12/2020
Ambient Temperature (°C) : 20.0
Average Flow Rate of SPM (m³/min.) : 1.1
Average Flow Rate of Gases (lpm) : 1.0
Weather Conditions : Clear
Remark (if any) : Monitoring Photograph Showing Coordinate an enclosure Annexure-1

RESULTS

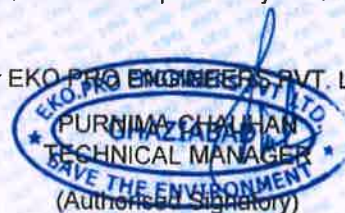
| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 63.5 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EKO/CHEM/SOP/AAQ/01 | 38.9 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 11.2 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 19.8 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EKO/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EKO/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.





Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/271/071220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Air
Sample Drawn on : 05/12/2020 To 06/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 07/12/2020
Sampling Location : Plant Boundary Near Mess
Sampling Time : 24.0 Hrs.
Sampling Plan & Procedure : SOP-AAQ/15
Analysis Duration : 07/12/2020 To 10/12/2020
Ambient Temperature (°C) : 20.0
Average Flow Rate of SPM (m³/min.) : 1.1
Average Flow Rate of Gases (lpm) : 1.0
Weather Conditions : Clear
Remark (if any) : Monitoring Photograph Showing Coordinate an enclosure Annexure-1

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 62.8 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EKO/CHEM/SOP/AAQ/01 | 39.7 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 10.3 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 19.6 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EKO/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EKO/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
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4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

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TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/121/101220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Air
Sample Drawn on : 07/12/2020 To 08/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 10/12/2020
Sampling Location : Plant Boundary Towards Stacker & Reclaimer
Sampling Time : 24.0 Hrs.
Sampling Plan & Procedure : SOP-AAQ/15
Analysis Duration : 10/12/2020 To 15/12/2020
Ambient Temperature (°C) : 20.0
Average Flow Rate of SPM (m³/min.) : 1.1
Average Flow Rate of Gases (lpm) : 1.0
Weather Conditions : Clear
Remark (if any) : Monitoring Photograph Showing Coordinate an enclosure Annexure-1

RESULTS

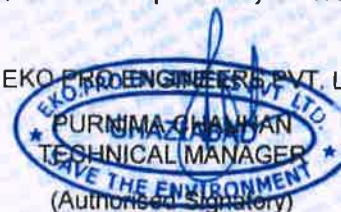
| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 56.9 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EKO/CHEM/SOP/AAQ/01 | 34.5 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 8.60 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 17.5 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EKO/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EKO/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

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3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.





Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. 9818405427, 9810240678, 8826344487 E-mail: email@ekopro.in, ekoproengineers@gmail.com, website: www.ekopro.in

TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/122/101220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Air
Sample Drawn on : 07/12/2020 To 08/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 10/12/2020
Sampling Location : Plant Boundary Towards Khara & Jawangarh
Sampling Time : 24.0 Hrs.
Sampling Plan & Procedure : SOP-AAQ/15
Analysis Duration : 10/12/2020 To 15/12/2020
Ambient Temperature (°C) : 20.0
Average Flow Rate of SPM (m³/min.) : 1.1
Average Flow Rate of Gases (lpm) : 1.0
Weather Conditions : Clear
Remark (if any) : Monitoring Photograph Showing Coordinate an enclosure Annexure-1

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 63.5 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EK0/CHEM/SOP/AAQ/01 | 35.9 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 10.20 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 16.9 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EK0/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EK0/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.


PURNIMA MAZUMDAR
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

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TEST REPORT

Noise Monitoring

Test Report No. : EKO/125/101220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 05/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 10/12/2020
Sampling Location : Plant Boundary Near Main Gate
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 10/12/2020 To 15/12/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 63.5 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 51.2 | dB (A) | 70.0 |

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.





Contact : +91 - 9810243870

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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Noise Monitoring

Test Report No. : EKO/126/101220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 05/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 10/12/2020
Sampling Location : Plant Boundary Near Mess
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 10/12/2020 To 15/12/2020
Remark (if any) : NA

RESULTS

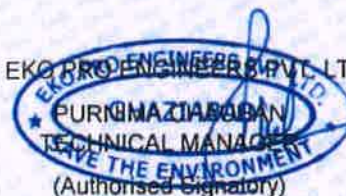
| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 62.8 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 49.6 | dB (A) | 70.0 |

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.





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TEST REPORT Noise Monitoring

Test Report No. : EKO/127/101220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 07/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 10/12/2020
Sampling Location : Plant Boundary Towards Stacker & Reclaimer
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 10/12/2020 To 11/12/2020
Remark (if any) : NA

RESULTS

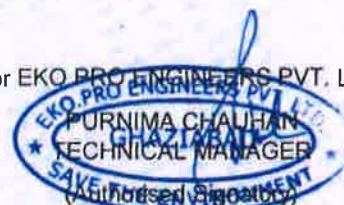
| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 63.2 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 47.9 | dB (A) | 70.0 |

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.



TEST REPORT

Noise Monitoring

Test Report No. : EKO/128/101220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 07/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 10/12/2020
Sampling Location : Plant Boundary Towards Khera & Jawangarh
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 10/12/2020 To 11/12/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 63.8 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 53.6 | dB (A) | 70.0 |

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
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- The test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/131/101220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 07/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 10/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Common Stack Unit - 3&4
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 10/12/2020 To 15/12/2020
Source of Emission : Raw Mill & Klin Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/Circular
Diameter of Stack (meter) : 5.6
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 70.0 from Ground level
Type of Fuel Used : Petcoke
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 98.0
Average Velocity of Flue Emission (m/sec) : 5.8
Average Flow Rate (lpm) : 18.7
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per EPA* |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|--------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 19.1 | 17.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 466.3 | 460.0 | mg/Nm ³ | 800.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.1 |

Notes :

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2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
PUJANIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/244/141220

Issue Date : 18/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 11/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 14/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-V
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 14/12/2020 To 17/12/2020
Source of Emission : Raw Mill & Klin Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 44.0 From Ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 33.0
Stack Temperature (deg.C) : 124.0
Average Velocity of Flue Emission (m/sec) : 6.5
Average Flow Rate (lpm) : 21.9
Control Measures (if any) : Bag house
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 17.60 | 20.1 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 483.5 | 480.0 | mg/Nm ³ | 800.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.1 |

Notes :

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4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
* PURNIMA CHATURVEDI *
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/248/211220

Issue Date : 26/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 19/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 21/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-VI
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 21/12/2020 To 25/12/2020
Source of Emission : Raw Mill & Kiln stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 44.0 From Ground Level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 92.0
Average Velocity of Flue Emission (m/sec) : 5.6
Average Flow Rate (lpm) : 20.8
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|--|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 20.8 | 19.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as NO _x) | IS :11255 (P-7) | 454.8 | 453.0 | mg/Nm ³ | 800.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |

Notes :

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5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
PUJANIMA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/182/171220

Issue Date : 21/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 14/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 17/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-VII
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 17/12/2020 To 21/12/2020
Source of Emission : Raw Mill & Klin Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/Circular
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 48.0 From Ground Level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 120.0
Average Velocity of Flue Emission (m/sec) : 6.7
Average Flow Rate (lpm) : 20.7
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 17.2 | 15.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 378.9 | 371.0 | mg/Nm ³ | 800.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.1 |

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**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
SPURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

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Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/139/081220

Issue Date : 15/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 05/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit VIII
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 08/12/2020 To 11/12/2020
Source of Emission : Raw Mill & Kiln stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 44.0 From Ground Level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 92.0
Average Velocity of Flue Emission (m/sec) : 5.6
Average Flow Rate (lpm) : 20.8
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 18.20 | 16.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0.0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as NOx) | IS :11255 (P-7) | 490.5 | 496.0 | mg/Nm ³ | 800.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.05 |

Notes :

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**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorized Signatory)



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TEST REPORT

Stack Emission Analysis

Test Report No : EKO/184/171220

Issue Date : 21/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 14/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 17/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-IX
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 17/12/2020 To 21/12/2020
Source of Emission : Raw Mill & Kiln Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/ Circular
Diameter of Stack (meter) : 5.0
Height of Stack from Ground Level (meter) : 150.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 68.0 from ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 88.0
Average Velocity of Flue Emission (m/sec) : 6.2
Average Flow Rate (lpm) : 20.8
Control Measures (if any) : RABH
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|-----------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (as PM) | IS :11255 (P-1) | 14.9 | 16.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0.0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as NOx) | IS :11255 (P-7) | 381.2 | 377.0 | mg/Nm ³ | 800.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.05 |

Notes :

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**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
PUJNIM KATIYABAS
TECHNICAL MANAGER
(Authorized Signature)



Contact : +91 - 9810243870

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TEST REPORT

Stack Emission Analysis

Test Report No : EKO/219/121220

Issue Date : 17/12/2020

Issued To

: Shree Cement Limited

Village - Ras

Tehsil - Jaitaran

Distt. - Pali

Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 09/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 12/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-X
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 12/12/2020 To 16/12/2020
Source of Emission : Raw Mill & Kiln Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/Circular
Diameter of Stack (meter) : 5.0
Height of Stack from Ground Level (meter) : 150.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 68.0 From Ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 96.0
Average Velocity of Flue Emission (m/sec) : 6.4
Average Flow Rate (lpm) : 20.5
Control Measures (if any) : RABH
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 14.8 | 13.2 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 486.7 | 480.0 | mg/Nm ³ | 800.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.05 |

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**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.





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TEST REPORT

Stack Emission Analysis

Test Report No : EKO/196/291220

Issue Date : 02/02/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 27/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 29/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Power Plant
Sampling Plan & Procedure : SOP-SE/01
Analysis Duration : 29/12/2020 To 02/01/2021
Source of Emission : Boiler Stack 2 & 3 Attached With ESP
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.15
Height of Stack from Ground Level (meter) : 105.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 37.0 from ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 114.0
Average Velocity of Flue Emission (m/sec) : 7.1
Average Flow Rate (lpm) : 20.7
Control Measures (if any) : ESP
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 32.8 | 32.0 | mg/Nm ³ | 50.0 |
| 2 | Sulphur dioxide (as SO ₂) | IS :11255 (P-2) | 388.2 | 393.0 | mg/Nm ³ | 600.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 151.8 | 155.41 | mg/Nm ³ | 300.0 |
| 4 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |
| 5 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |

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** End of Report **

For EKO PRO ENGINEERS PVT. LTD.
PUJNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

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TEST REPORT

Stack Emission Analysis

Test Report No : EKO/187/171220

Issue Date : 21/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 15/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 17/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Power Plant
Sampling Plan & Procedure : SOP-SE/01
Analysis Duration : 17/12/2020 To 21/12/2020
Source of Emission : Boiler Stack 4 & 5 Attached With ESP
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.2
Height of Stack from Ground Level (meter) : 115.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 37.0 from ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 140.0
Average Velocity of Flue Emission (m/sec) : 6.8
Average Flow Rate (lpm) : 22.7
Control Measures (if any) : ESP
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 35.0 | 38.5 | mg/Nm ³ | 50.0 |
| 2 | Sulphur dioxide (as SO ₂) | IS :11255 (P-2) | 372.54 | 371.17 | mg/Nm ³ | 600.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 144.8 | 141.63 | mg/Nm ³ | 300.0 |
| 4 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |
| 5 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |

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** End of Report **

For EKO PRO ENGINEERS PVT. LTD.
PUJNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Stack Emission Analysis

Test Report No : EKO/223/191220

Issue Date : 24/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 17/12/2020
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 19/12/2020
Time of Sampling (Minutes) : 30.0
Sampling Location : Power Plant
Sampling Plan & Procedure : SOP-SE/01
Analysis Duration : 19/12/2020 To 23/12/2020
Source of Emission : Boiler Stack 6 & 7 Attached With ESP
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.2
Height of Stack from Ground Level (meter) : 115.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 32.0 from ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 21.0
Stack Temperature (deg.C) : 90.0
Average Velocity of Flue Emission (m/sec) : 5.6
Average Flow Rate (lpm) : 19.7
Control Measures (if any) : ESP
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 34.5 | 36.6 | mg/Nm ³ | 50.0 |
| 2 | Sulphur dioxide (as SO ₂) | IS :11255 (P-2) | 408.4 | 412.0 | mg/Nm ³ | 600.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 169.7 | 167.32 | mg/Nm ³ | 300.0 |
| 4 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |
| 5 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |

Notes :

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** End of Report **

For EKO PRO ENGINEERS PVT. LTD.

PUJIMA CHAUHAN

TECHNICAL MANAGER

(Authorised Signatory)



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TEST REPORT

Effluent Sample Analysis

Test Report No. : EKO/239/141220

Issue Date : 19/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Effluent After Treatment (STP Outlet)
Sample Drawn on : 12/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 14/12/2020
Sampling Location : From Plant
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal
Analysis Duration : 14/12/2020 To 18/12/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB (EPR-1986 Schedule-VI Part-A) |
|--------|---|--------------------------------------|---------|------------|--|
| 1 | pH | IS: 3025 (P-11) | 7.31 | - | 5.5-9.0 |
| 2 | Total Dissolved Solids | IS: 3025 (P-16) | 1320.0 | mg/L | - |
| 3 | Total Suspended Solids | IS: 3025 (P-17) | 40.0 | mg/L | 100.0 |
| 4 | Oil & Grease | IS: 3025 (P-39) | <4.0 | mg/L | 10.0 |
| 5 | COD (as O ₂) | IS: 3025 (P-58) | 72.5 | mg/L | 250.0 |
| 6 | BOD (@27°C for 3 days) | IS: 3025 (P-44) | 18.0 | mg/L | 30.0 |
| 7 | Sulphides (as S) | IS: 3025 (P-29) | <1.0 | mg/L | 2.0 |
| 8 | Nitrate (as N) | IS: 3025 (P-34) | 5.12 | mg/L | - |
| 9 | Ammonical Nitrogen (as N) | APHA 4500 NH ₃ C 22nd Ed. | 6.12 | mg/L | 50.0 |
| 10 | Total Residual Chlorine | IS: 3025 (P-26) | <0.2 | mg/L | 1.0 |
| 11 | Residual Free Chlorine | IS: 3025 (P-26) | <0.2 | mg/L | - |
| 12 | Total Kjeldahl Nitrogen (as NH ₃) | APHA 4500 N 22nd Ed. | 10.23 | mg/L | 100.0 |
| 13 | Faecal Coliform | IS: 1622 | 310 | MPN/100 mL | 1000.0 |
| 14 | E.coli | IS: 1622 | Absent | Per 100 mL | - |

Notes :

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- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of reporting of result, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
GHAZIABAD
PUJANIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Effluent Sample Analysis

Test Report No. : EKO/240/141220

Issue Date : 19/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Effluent After Treatment (STP Outlet)
Sample Drawn on : 12/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 14/12/2020
Sampling Location : Bagatpura Township - 200 KLD (STP Treated Water)
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal
Analysis Duration : 14/12/2020 To 18/12/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB (EPR-1986 Schedule-VI Part-A) |
|--------|---|--------------------------------------|---------|------------|--|
| 1 | pH | IS: 3025 (P-11) | 7.31 | - | 5.5-9.0 |
| 2 | Total Dissolved Solids | IS: 3025 (P-16) | 1230.0 | mg/L | - |
| 3 | Total Suspended Solids | IS: 3025 (P-17) | 33.0 | mg/L | 100.0 |
| 4 | Oil & Grease | IS: 3025 (P-39) | <4.0 | mg/L | 10.0 |
| 5 | COD (as O ₂) | IS: 3025 (P-58) | 60.5 | mg/L | 250.0 |
| 6 | BOD (@27°C for 3 days) | IS: 3025 (P-44) | 20.0 | mg/L | 30.0 |
| 7 | Sulphides (as S) | IS: 3025 (P-29) | <1.0 | mg/L | 2.0 |
| 8 | Nitrate (as N) | IS: 3025 (P-34) | 2.32 | mg/L | - |
| 9 | Ammonical Nitrogen (as N) | APHA 4500 NH ₃ C 22nd Ed. | 4.66 | mg/L | 50.0 |
| 10 | Total Residual Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | 1.0 |
| 11 | Residual Free Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | - |
| 12 | Total Kjeldahl Nitrogen (as NH ₃) | APHA 4500 N 22nd Ed. | 9.65 | mg/L | 100.0 |
| 13 | Faecal Coliform | IS : 1622 | 270 | MPN/100 mL | 1000.0 |
| 14 | E.coli | IS : 1622 | Absent | Per 100 mL | - |

Notes :

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The customer asked for the above tests only.
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- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of reporting of result, unless until specified by the customer: Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

GHAZIABAD
* PURNIMA CHAUHAN *
TECHNICAL MANAGER
SAVE THE ENVIRONMENT

(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
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Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Effluent Sample Analysis

Test Report No. : EKO/241/141220

Issue Date : 19/12/2020

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Effluent After Treatment (STP Outlet)
Sample Drawn on : 12/12/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 14/12/2020
Sampling Location : Bagatpura Township - 75 KLD (STP Treated Water)
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal
Analysis Duration : 14/12/2020 To 18/12/2020
Remark (If any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB (EPR-1986 Schedule-VI Part-A) |
|--------|---|--------------------------------------|---------|------------|--|
| 1 | pH | IS: 3025 (P-11) | 7.21 | - | 5.5-9.0 |
| 2 | Total Dissolved Solids | IS: 3025 (P-16) | 1290.0 | mg/L | - |
| 3 | Total Suspended Solids | IS: 3025 (P-17) | 37.0 | mg/L | 100.0 |
| 4 | Oil & Grease | IS: 3025 (P-39) | <4.0 | mg/L | 10.0 |
| 5 | COD (as O ₂) | IS: 3025 (P-58) | 62.3 | mg/L | 250.0 |
| 6 | BOD (@27°C for 3 days) | IS: 3025 (P-44) | 19.0 | mg/L | 30.0 |
| 7 | Sulphides (as S) | IS: 3025 (P-29) | <1.0 | mg/L | 2.0 |
| 8 | Nitrate (as N) | IS: 3025 (P-34) | 2.68 | mg/L | - |
| 9 | Ammonical Nitrogen (as N) | APHA 4500 NH ₃ C 22nd Ed. | 4.25 | mg/L | 50.0 |
| 10 | Total Residual Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | 1.0 |
| 11 | Residual Free Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | - |
| 12 | Total Kjeldahl Nitrogen (as NH ₃) | APHA 4500 N 22nd Ed. | 7.01 | mg/L | 100.0 |
| 13 | Faecal Coliform | IS : 1622 | 280 | MPN/100 mL | 1000.0 |
| 14 | E.coli | IS : 1622 | Absent | Per 100 mL | - |

Notes :

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- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUDHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

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Contact No.: 9818405427, 9810240678, 8826344487 E-mail: email@ekopro.in, ekoproengineers@gmail.com, website: www.ekopro.in

TEST REPORT

Coal Sample Analysis

Test Report No. : EKO/187/220920

Issue Date : 09/12/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Coal Sample
Sample Drawn on : 21/09/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 22/09/2020
Sampling Location : Inside Plant
Sampling Plan & Procedure : SOP-S/50
Sample Quantity : 5.0 kg
Environmental Condition : Normal
Analysis Duration : 16/10/2020 To 08/12/2020
Remark (if any) : Reference Report No. SQC/NR-20110606

RESULTS

| S. No. | Parameters | Test Method | Results | Units |
|--------|------------|--------------------|---------|-------|
| 1 | Uranium | APHA | BDL | Bq/kg |
| 2 | Thorium | Gamma Spectrometry | BDL | Bq/kg |

Remark:- BDL- Below Detection Limit, DL- Detection Limit, DL for Uranium is 0.0407Bq. And DL for Thorium is 8.009 Bq.

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorized Signatory)



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TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/197/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

| | |
|---|--|
| Sample Description | : Ambient Air |
| Sample Drawn on | : 03/03/2021 To 04/03/2021 |
| Sample Drawn by | : EPEPL (Mr. Rohitash Rajput) |
| Sample Received on | : 08/03/2021 |
| Sampling Location | : Plant Boundary Near Main Gate |
| Sampling Time | : 24.0 Hrs. |
| Sampling Plan & Procedure | : SOP-AAQ/15 |
| Analysis Duration | : 08/03/2021 To 12/03/2021 |
| Ambient Temperature (°C) | : 28.0 |
| Average Flow Rate of SPM (m ³ /min.) | : 1.1 |
| Average Flow Rate of Gases (lpm) | : 1.0 |
| Weather Conditions | : Clear |
| Remark (if any) | : Monitoring Photograph Showing Coordinate an enclosure Annexure-1 |

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 65.7 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EKO/CHEM/SOP/AAQ/01 | 36.8 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 12.4 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 18.2 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EKO/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EKO/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/198/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Air
Sample Drawn on : 03/03/2021 To 04/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Sampling Location : Plant Boundary Near Mess
Sampling Time : 24.0 Hrs.
Sampling Plan & Procedure : SOP-AAQ/15
Analysis Duration : 08/03/2021 To 12/03/2021
Ambient Temperature (°C) : 28.0
Average Flow Rate of SPM (m³/min.) : 1.1
Average Flow Rate of Gases (lpm) : 1.0
Weather Conditions : Clear
Remark (if any) : Monitoring Photograph Showing Coordinate an enclosure Annexure-1

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 61.4 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EKO/CHEM/SOP/AAQ/01 | 40.2 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 9.52 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 20.1 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EKO/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EKO/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

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**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.





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TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/199/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

| | |
|---|--|
| Sample Description | : Ambient Air |
| Sample Drawn on | : 06/03/2021 To 07/03/2021 |
| Sample Drawn by | : EPEPL (Mr. Rohitash Rajput) |
| Sample Received on | : 08/03/2021 |
| Sampling Location | : Plant Boundary Towards Stacker & Reclaimer |
| Sampling Time | : 24.0 Hrs. |
| Sampling Plan & Procedure | : SOP-AAQ/15 |
| Analysis Duration | : 08/03/2021 To 12/03/2021 |
| Ambient Temperature (°C) | : 28.0 |
| Average Flow Rate of SPM (m ³ /min.) | : 1.1 |
| Average Flow Rate of Gases (lpm) | : 1.0 |
| Weather Conditions | : Clear |
| Remark (if any) | : Monitoring Photograph Showing Coordinate an enclosure Annexure-1 |

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 57.6 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EKO/CHEM/SOP/AAQ/01 | 33.5 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 9.25 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 18.3 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EKO/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EKO/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

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**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

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TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/200/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description

: Ambient Air

Sample Drawn on

: 06/03/2021 To 07/03/2021

Sample Drawn by

: EPEPL (Mr. Rohitash Rajput)

Sample Received on

: 08/03/2021

Sampling Location

: Plant Boundary Towards Khera & Jawangarh

Sampling Time

: 24.0 Hrs.

Sampling Plan & Procedure

: SOP-AAQ/15

Analysis Duration

: 08/03/2021 To 12/03/2021

Ambient Temperature (°C)

: 28.0

Average Flow Rate of SPM (m³/min.)

: 1.1

Average Flow Rate of Gases (lpm)

: 1.0

Weather Conditions

: Clear

Remark (if any)

: Monitoring Photograph Showing Coordinate an enclosure Annexure-1

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB Notification, 18th Nov 2009 |
|--------|--|---------------------|---------|-------------------|--|
| 1 | Particulate Matter (PM10) | IS: 5182 (P-23) | 64.7 | µg/m ³ | 100.0 |
| 2 | Particulate Matter (PM2.5) | EK0/CHEM/SOP/AAQ/01 | 32.5 | µg/m ³ | 60.0 |
| 3 | Sulphur Dioxide (as SO ₂) | IS: 5182 (P-2) | 11.2 | µg/m ³ | 80.0 |
| 4 | Nitrogen Dioxide (as NO ₂) | IS: 5182 (P-6) | 17.5 | µg/m ³ | 80.0 |
| 5 | Arsenic (as As) | EK0/CHEM/SOP/AAQ/02 | <0.1 | ng/m ³ | 6.0 |
| 6 | Mercury (as Hg) | EK0/CHEM/SOP/FL-082 | <0.1 | µg/m ³ | - |

Notes :

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5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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EKO PRO ENGINEERS PVT. LTD.

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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Noise Monitoring

Test Report No. : EKO/201/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 03/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Sampling Location : Plant Boundary Near Main Gate
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 08/03/2021 To 09/03/2021
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 62.8 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 51.4 | dB (A) | 70.0 |

Notes :

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3. The test report will not be used for any publicity/legal purpose.
4. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.





Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Noise Monitoring

Test Report No. : EKO/202/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 03/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Sampling Location : Plant Boundary Near Mess
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 08/03/2021 To 09/03/2021
Remark (if any) : NA

RESULTS

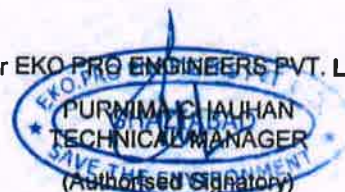
| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 63.4 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 52.9 | dB (A) | 70.0 |

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.





Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT Noise Monitoring

Test Report No. : EKO/203/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 08/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Sampling Location : Plant Boundary Towards Stacker & Reclaimer
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 08/03/2021 To 09/03/2021
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 65.7 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 49.8 | dB (A) | 70.0 |

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorized Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT Noise Monitoring

Test Report No. : EKO/204/080321

Issue Date : 12/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Ambient Noise
Sample Drawn on : 06/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Sampling Location : Plant Boundary Towards Khera & Jawangarh
Sampling Plan & Procedure : SOP-N/01
Weather Condition : Normal
Analysis Duration : 08/03/2021 To 09/03/2021
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per "The Noise Pollution (Regulation & Control) Rules, 2000" |
|--------|------------------|---------------------|---------|--------|--|
| 1 | Leq (Day Time) | EKO/CHEM/SOP/S/N-01 | 62.8 | dB (A) | 75.0 |
| 2 | Leq (Night Time) | EKO/CHEM/SOP/S/N-01 | 55.9 | dB (A) | 70.0 |

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA KRAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

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TEST REPORT

Stack Emission Analysis

Test Report No : EKO/179/040321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 01/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 04/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Common Stack Unit - 3&4
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 04/03/2021 To 08/03/2021
Source of Emission : Raw Mill & Klin Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/Circular
Diameter of Stack (meter) : 5.6
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 70.0 from Ground level
Type of Fuel Used : Petcoke
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 27.0
Stack Temperature (deg.C) : 96.0
Average Velocity of Flue Emission (m/sec) : 5.2
Average Flow Rate (lpm) : 17.3
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per EPA* |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|--------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 13.6 | 12.5 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | 18.40 | 16.27 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 416.3 | 410.91 | mg/Nm ³ | 600.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.1 |

Notes :

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- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHANDAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/186/040321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 01/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 04/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-V
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 04/03/2021 To 08/03/2021
Source of Emission : Raw Mill & Klin Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 44.0 From Ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 27.0
Stack Temperature (deg.C) : 120.0
Average Velocity of Flue Emission (m/sec) : 6.3
Average Flow Rate (lpm) : 20.8
Control Measures (if any) : Bag house
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 14.30 | 12.1 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 409.6 | 412.0 | mg/Nm ³ | 600.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as I lg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.1 |

Notes :

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3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
* PURNIMA CHAUDHAN *
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/208/080321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 06/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-VI
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 08/03/2021 To 12/03/2021
Source of Emission : Raw Mill & Kiln stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 44.0 From Ground Level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 28.0
Stack Temperature (deg.C) : 93.0
Average Velocity of Flue Emission (m/sec) : 5.2
Average Flow Rate (lpm) : 21.5
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|--|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 19.3 | 17.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as NO _x) | IS :11255 (P-7) | 461.3 | 453.0 | mg/Nm ³ | 600.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |

Notes :

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3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
* PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghazlabad - 201 009 (Delhi-NCR) INDIA
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/210/080321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 06/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-VII
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 08/03/2021 To 12/03/2021
Source of Emission : Raw Mill & Klin Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/Circular
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 48.0 From Ground Level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 28.0
Stack Temperature (deg.C) : 124.0
Average Velocity of Flue Emission (m/sec) : 6.3
Average Flow Rate (lpm) : 21.9
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 19.5 | 18.6 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 382.5 | 371.0 | mg/Nm ³ | 600.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.1 |

Notes :

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- The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
RURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No. 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Stack Emission Analysis****Test Report No : EKO/212/080321****Issue Date : 15/03/2021**

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 06/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit VIII
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 08/03/2021 To 12/03/2021
Source of Emission : Raw Mill & Kiln stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.8
Height of Stack from Ground Level (meter) : 112.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 44.0 From Ground Level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 28.0
Stack Temperature (deg.C) : 98.0
Average Velocity of Flue Emission (m/sec) : 5.2
Average Flow Rate (lpm) : 21.6
Control Measures (if any) : Bag House
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|--|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 16.90 | 15.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0.0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as NO _x) | IS :11255 (P-7) | 502.6 | 496.0 | mg/Nm ³ | 600.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.05 |

Notes :

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- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
- Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.

PUJIMA CHAUHAN

TECHNICAL MANAGER

(Authorised Signatory)

Analytical Services - Analysis of Environment, Food, AYUSH, Cosmetics, Toy & Material, Leather Products, Petroleum & Building Material Samples in Biological, Chemical, Electrical & Mechanical Disciplines
Consulting Services - EIA, SIA, EC Compliances, Consultancy for NOC of Ground Water, Hydrogeological Studies, Environmental Audit & Other Studies, Ground Water & Soil Investigation



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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/213/080321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 06/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-IX
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 08/03/2021 To 12/03/2021
Source of Emission : Raw Mill & Kiln Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/ Circular
Diameter of Stack (meter) : 5.0
Height of Stack from Ground Level (meter) : 150.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 68.0 from ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 28.0
Stack Temperature (deg.C) : 80.0
Average Velocity of Flue Emission (m/sec) : 6.3
Average Flow Rate (lpm) : 21.6
Control Measures (if any) : RABH
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|--|-----------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (as PM) | IS :11255 (P-1) | 18.6 | 17.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0.0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as NO _x) | IS :11255 (P-7) | 385.2 | 377.0 | mg/Nm ³ | 600.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.05 |

Notes :

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4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

** End of Report **

For EKO PRO ENGINEERS PVT. LTD.
PUJNMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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EKO PRO ENGINEERS PVT. LTD.Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Stack Emission Analysis****Test Report No : EKO/215/080321****Issue Date : 15/03/2021****Issued To**: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 06/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 08/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Unit-X
Sampling Plan & Procedure : SOP-SE/09
Analysis Duration : 08/03/2021 To 12/03/2021
Source of Emission : Raw Mill & Kiln Stack Attached With Bag House
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Metal/Circular
Diameter of Stack (meter) : 5.0
Height of Stack from Ground Level (meter) : 150.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 68.0 From Ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 27.0
Stack Temperature (deg.C) : 92.0
Average Velocity of Flue Emission (m/sec) : 6.3
Average Flow Rate (lpm) : 21.6
Control Measures (if any) : RABH
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 13.5 | 12.0 | mg/Nm ³ | 30.0 |
| 2 | Sulphur Dioxide (as SO ₂) | IS :11255 (P-2) | <5.0 | 0 | mg/Nm ³ | 100.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 492.3 | 480.0 | mg/Nm ³ | 600.0 |
| 4 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.5 |
| 5 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.05 |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling. The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****For EKO PRO ENGINEERS PVT. LTD.
PUJNIMA CHAUDHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/173/110321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

| | |
|---|--|
| Sample Description | : Stack Emission |
| Sample Drawn on | : 08/03/2021 |
| Sample Drawn By | : EPEPL (Mr. Rohitash Rajput) |
| Sample Received on | : 11/03/2021 |
| Time of Sampling (Minutes) | : 30.0 |
| Sampling Location | : Power Plant |
| Sampling Plan & Procedure | : SOP-SE/01 |
| Analysis Duration | : 11/03/2021 To 15/03/2021 |
| Source of Emission | : Boiler Stack 2 & 3 Attached With ESP |
| Capacity | : - |
| Operating Load | : Normal |
| Normal Operation Schedule | : As per requirement |
| Type of Stack | : Concrete |
| Diameter of Stack (meter) | : 3.15 |
| Height of Stack from Ground Level (meter) | : 105.0 |
| Height of Stack from Roof Level (meter) | : - |
| Height of Sampling Location (meter) | : 37.0 from ground level |
| Type of Fuel Used | : Coal |
| Fuel Consumed per Hour | : - |
| Ambient Temperature (deg.C) | : 28.0 |
| Stack Temperature (deg.C) | : 110.0 |
| Average Velocity of Flue Emission (m/sec) | : 7.3 |
| Average Flow Rate (lpm) | : 19.8 |
| Control Measures (if any) | : ESP |
| Remark (if any) | : Monitoring Photograph showing coordinate an enclosure Annexure-1 |

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 31.5 | 29.0 | mg/Nm ³ | 50.0 |
| 2 | Sulphur dioxide (as SO ₂) | IS :11255 (P-2) | 185.6 | 178.02 | mg/Nm ³ | 600.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 112.5 | 109.10 | mg/Nm ³ | 450.0 |
| 4 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |
| 5 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling. The customer asked for the above tests only.
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3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT**
Stack Emission Analysis**Test Report No : EKO/174/110321****Issue Date : 15/03/2021****Issued To**: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

| | |
|---|--|
| Sample Description | : Stack Emission |
| Sample Drawn on | : 08/03/2021 |
| Sample Drawn By | : EPEPL (Mr. Rohitash Rajput) |
| Sample Received on | : 11/03/2021 |
| Time of Sampling (Minutes) | : 30.0 |
| Sampling Location | : Power Plant |
| Sampling Plan & Procedure | : SOP-SE/01 |
| Analysis Duration | : 11/03/2021 To 15/03/2021 |
| Source of Emission | : Boiler Stack 4 & 5 Attached With ESP |
| Capacity | : - |
| Operating Load | : Normal |
| Normal Operation Schedule | : As per requirement |
| Type of Stack | : Concrete |
| Diameter of Stack (meter) | : 3.2 |
| Height of Stack from Ground Level (meter) | : 115.0 |
| Height of Stack from Roof Level (meter) | : - |
| Height of Sampling Location (meter) | : 37.0 from ground level |
| Type of Fuel Used | : Coal |
| Fuel Consumed per Hour | : - |
| Ambient Temperature (deg.C) | : 28.0 |
| Stack Temperature (deg.C) | : 142.0 |
| Average Velocity of Flue Emission (m/sec) | : 6.2 |
| Average Flow Rate (lpm) | : 21.9 |
| Control Measures (if any) | : ESP |
| Remark (if any) | : Monitoring Photograph showing coordinate an enclosure Annexure-1 |

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 41.3 | 39.23 | mg/Nm ³ | 50.0 |
| 2 | Sulphur dioxide (as SO ₂) | IS :11255 (P-2) | 288.90 | 283.50 | mg/Nm ³ | 600.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 92.4 | 89.00 | mg/Nm ³ | 450.0 |
| 4 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |
| 5 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling. The customer asked for the above tests only.
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3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

**** End of Report ****For EKO PRO ENGINEERS PVT. LTD.
SPURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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EKO PRO ENGINEERS PVT. LTD.

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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No : EKO/175/110321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Stack Emission
Sample Drawn on : 08/03/2021
Sample Drawn By : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 11/03/2021
Time of Sampling (Minutes) : 30.0
Sampling Location : Power Plant
Sampling Plan & Procedure : SOP-SE/01
Analysis Duration : 11/03/2021 To 15/03/2021
Source of Emission : Boiler Stack 6 & 7 Attached With ESP
Capacity : -
Operating Load : Normal
Normal Operation Schedule : As per requirement
Type of Stack : Concrete
Diameter of Stack (meter) : 3.2
Height of Stack from Ground Level (meter) : 115.0
Height of Stack from Roof Level (meter) : -
Height of Sampling Location (meter) : 32.0 from ground level
Type of Fuel Used : Coal
Fuel Consumed per Hour : -
Ambient Temperature (deg.C) : 28.0
Stack Temperature (deg.C) : 92.0
Average Velocity of Flue Emission (m/sec) : 5.3
Average Flow Rate (lpm) : 18.5
Control Measures (if any) : ESP
Remark (if any) : Monitoring Photograph showing coordinate an enclosure Annexure-1

RESULTS

| S.No. | PARAMETER | TEST METHOD | RESULT | RESULT (CEMS) | UNIT | Limits as per Consent |
|-------|---------------------------------------|---------------------|--------|---------------|--------------------|-----------------------|
| 1 | Particulate Matter (PM) | IS :11255 (P-1) | 33.9 | 31.75 | mg/Nm ³ | 50.0 |
| 2 | Sulphur dioxide (as SO ₂) | IS :11255 (P-2) | 310.4 | 302.0 | mg/Nm ³ | 600.0 |
| 3 | Oxides of Nitrogen (as Nox) | IS :11255 (P-7) | 86.4 | 84.00 | mg/Nm ³ | 450.0 |
| 4 | Mercury (as Hg) | EKO/CHEM/SOP/FL-083 | BDL | - | mg/Nm ³ | 0.03 |
| 5 | Arsenic (as As) | APHA Method 822 | BDL | - | mg/Nm ³ | 0.50 |

Notes :

1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling. The customer asked for the above tests only.
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3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

** End of Report **

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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EKO PRO ENGINEERS PVT. LTD.

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Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Effluent Sample Analysis

Test Report No. : EKO/170/110321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Effluent After Treatment (STP Outlet)
Sample Drawn on : 08/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 11/03/2021
Sampling Location : From Plant
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal
Analysis Duration : 11/03/2021 To 15/03/2021
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB (EPR-1986 Schedule-VI Part-A) |
|--------|---|-----------------------------|---------|------------|--|
| 1 | pH | IS: 3025 (P-11) | 7.32 | - | 5.5-9.0 |
| 2 | Total Dissolved Solids | IS: 3025 (P-16) | 1380.0 | mg/L | - |
| 3 | Total Suspended Solids | IS: 3025 (P-17) | 38.0 | mg/L | 100.0 |
| 4 | Oil & Grease | IS: 3025 (P-39) | <4.0 | mg/L | 10.0 |
| 5 | COD (as O ₂) | IS: 3025 (P-58) | 75.6 | mg/L | 250.0 |
| 6 | BOD (@27°C for 3 days) | IS: 3025 (P-44) | 19.0 | mg/L | 30.0 |
| 7 | Sulphides (as S) | IS: 3025 (P-29) | <1.0 | mg/L | 2.0 |
| 8 | Nitrate (as N) | IS: 3025 (P-34) | 5.69 | mg/L | - |
| 9 | Ammonical Nitrogen (as N) | APHA 4500 NH ₃ C | 7.58 | mg/L | 50.0 |
| 10 | Total Residual Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | 1.0 |
| 11 | Residual Free Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | - |
| 12 | Total Kjeldahl Nitrogen (as NH ₃) | APHA 4500 N | 12.6 | mg/L | 100.0 |
| 13 | Faecal Coliform | IS : 1622 | 340 | MPN/100 mL | 1000.0 |
| 14 | E.coli | IS : 1622 | Absent | Per 100 mL | - |

Notes :

1. The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
3. The test report will not be used for any publicity/legal purpose.
4. The test samples will be disposed off after 15 days from the date of reporting of result, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA SHARMA
TECHNICAL MANAGER
(Authorised Signatory)



Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Effluent Sample Analysis

Test Report No. : EKO/171/110321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Effluent After Treatment (STP Outlet)
Sample Drawn on : 09/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 11/03/2021
Sampling Location : Bagatpura Township - 200 KLD (STP Treated Water)
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal
Analysis Duration : 11/03/2021 To 15/03/2021
Remark (If any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB (EPR-1986 Schedule-VI Part-A) |
|--------|---|-----------------------------|---------|------------|--|
| 1 | pH | IS: 3025 (P-11) | 7.35 | - | 5.5-9.0 |
| 2 | Total Dissolved Solids | IS: 3025 (P-16) | 1190.0 | mg/L | - |
| 3 | Total Suspended Solids | IS: 3025 (P-17) | 34.0 | mg/L | 100.0 |
| 4 | Oil & Grease | IS: 3025 (P-39) | <4.0 | mg/L | 10.0 |
| 5 | COD (as O ₂) | IS: 3025 (P-58) | 62.5 | mg/L | 250.0 |
| 6 | BOD (@27°C for 3 days) | IS: 3025 (P-44) | 21.0 | mg/L | 30.0 |
| 7 | Sulphides (as S) | IS: 3025 (P-29) | <1.0 | mg/L | 2.0 |
| 8 | Nitrate (as N) | IS: 3025 (P-34) | 3.25 | mg/L | - |
| 9 | Ammonical Nitrogen (as N) | APHA 4500 NH ₃ C | 5.45 | mg/L | 50.0 |
| 10 | Total Residual Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | 1.0 |
| 11 | Residual Free Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | - |
| 12 | Total Kjeldahl Nitrogen (as NH ₃) | APHA 4500 N | 10.6 | mg/L | 100.0 |
| 13 | Faecal Coliform | IS : 1622 | 290 | MPN/100 mL | 1000.0 |
| 14 | E.coli | IS : 1622 | Absent | Per 100 mL | - |

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after 15 days from the date of reporting of result, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Effluent Sample Analysis

Test Report No. : EKO/172/110321

Issue Date : 15/03/2021

Issued To

: Shree Cement Limited
Village - Ras
Tehsil - Jaitaran
Distt. - Pali
Rajasthan - 306107

Sample Description : Effluent After Treatment (STP Outlet)
Sample Drawn on : 09/03/2021
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 11/03/2021
Sampling Location : Bagatpura Township - 75 KLD (STP Treated Water)
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal
Analysis Duration : 11/03/2021 To 15/03/2021
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per CPCB (EPR-1986 Schedule-VI Part-A) |
|--------|---|-----------------------------|---------|------------|--|
| 1 | pH | IS: 3025 (P-11) | 7.25 | - | 5.5-9.0 |
| 2 | Total Dissolved Solids | IS: 3025 (P-16) | 1230.0 | mg/L | - |
| 3 | Total Suspended Solids | IS: 3025 (P-17) | 38.0 | mg/L | 100.0 |
| 4 | Oil & Grease | IS: 3025 (P-39) | <4.0 | mg/L | 10.0 |
| 5 | COD (as O ₂) | IS: 3025 (P-58) | 60.9 | mg/L | 250.0 |
| 6 | BOD (@27°C for 3 days) | IS: 3025 (P-44) | 18.0 | mg/L | 30.0 |
| 7 | Sulphides (as S) | IS: 3025 (P-29) | <1.0 | mg/L | 2.0 |
| 8 | Nitrate (as N) | IS: 3025 (P-34) | 3.25 | mg/L | - |
| 9 | Ammonical Nitrogen (as N) | APHA 4500 NH ₃ C | 4.69 | mg/L | 50.0 |
| 10 | Total Residual Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | 1.0 |
| 11 | Residual Free Chlorine | IS : 3025 (P-26) | <0.2 | mg/L | - |
| 12 | Total Kjeldahl Nitrogen (as NH ₃) | APHA 4500 N | 9.25 | mg/L | 100.0 |
| 13 | Faecal Coliform | IS : 1622 | 260 | MPN/100 mL | 1000.0 |
| 14 | E.coli | IS : 1622 | Absent | Per 100 mL | - |

Notes :

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
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- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA DEVI
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Water Sample Analysis

Test Report No : EKO/147/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.1 Near Unit IV Raw Mill
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.36 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 420.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 170.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 980.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 100.6 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 110.5 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 7.28 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 41.1 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 290.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters.
The customer asked for the above tests only.
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- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUDHAN
TECHNICAL MANAGER
(Authorized Signatory)



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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/148/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.2 Near Guest House, Store Boundary
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.48 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 392.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 192.8 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1080.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 94.2 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 148.2 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 4.16 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 37.7 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 260.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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The customer asked for the above tests only.
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- The test samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUDHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/149/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.3 Near RNCU near GPP-4
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.56 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 320.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 150.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 830.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 77.0 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 190.1 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 3.82 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 31.1 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 240.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PUJNIMA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Water Sample Analysis

Test Report No : EKO/150/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.5 Near Logistic Office, Behind ATM
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.24 | -- | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 380.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 209.8 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 950.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 91.4 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 120.5 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 11.70 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 36.9 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 320.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Water Sample Analysis

Test Report No : EKO/151/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.9 Near Coal Yard Power Plant
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.69 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 420.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 170.2 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1040.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 100.6 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 138.9 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 12.50 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 41.1 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 340.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PUJNIMA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Water Sample Analysis

Test Report No : EKO/152/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.13 Near RNCU Near Main Gate
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.58 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 510.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 240.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1280.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 122.2 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 142.8 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 9.26 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 49.8 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 294.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PUJNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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TEST REPORT

Water Sample Analysis

Test Report No : EKO/153/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.14 Near Truck Packing Area
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.15 | — | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 430.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 190.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1048.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 103.0 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 190.4 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 8.16 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 42.0 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 274.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

FURNISHA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



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Contact No.: 9818405427, 9810240678, 8826344487 E-mail: email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/154/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.18 Near New Truck Packing near plant boundary
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.36 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 290.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 172.6 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 840.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 69.7 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 152.6 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 7.28 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 28.2 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 342.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHADHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/155/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.19 Near New Truck Packing near plant boundary
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.32 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 340.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 168.4 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 910.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 81.8 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 102.5 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 9.28 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 33.1 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 305.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

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Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/156/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Open well No.20 Near New Truck Packing near plant boundary
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.58 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 260.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 170.2 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 995.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 62.5 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 120.8 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 11.80 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 25.3 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 264.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHATURVEDI
TECHNICAL MANAGER
(Authorised Signatory)

**EKO PRO ENGINEERS PVT. LTD.**

Environmental Consultants and Analytical Laboratory

(An ISO 9001:2015 Certified Company)

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 Contact No. : 9818405457, 9810240678, 9826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT**Water Sample Analysis**

Test Report No : EKO/143/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
 Village - Ras, Tehsil - Jaitaran
 Distt - Pali, Rajasthan

Sample Description : Ground Water
 Sample Drawn on : 02/11/2020
 Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
 Sample Received on : 03/11/2020
 Sampling Location : Borewell No.1 Near Old Crusher Area
 Sampling Plan & Procedure : SOP-W/66
 Sample Quantity : 1.0 Litre
 Environmental Conditions : Normal
 Analysis Duration : 03/11/2020 To 06/11/2020
 Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.16 | — | 8.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-13) | 490.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 221.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-40) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 985.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | — | — |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 12.4 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 32.6 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 9.25 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 49.3 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 260.0 | mg/L | 200 | 600.0 |

Remark: Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURSHAT ABADHAN
 TECHNICAL MANAGER
 (Authorized Signatory)



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Contact No. 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/144/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Borewell No.2 Near Old Crusher Area
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.52 | — | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 455.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 201.6 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1022.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 115.0 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 168.9 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 15.30 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 46.9 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 360.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.





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TEST REPORT

Water Sample Analysis

Test Report No : EKO/145/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Borewell No.3 Near Old Crusher Area
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.86 | — | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 502.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 284.6 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1280.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 117.8 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 190.3 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 7.25 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 48.1 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 340.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorized Signatory)



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Contact No. : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/146/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Borewell No.3B Near Old Crusher Area
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 6.98 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 395.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 310.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 890.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 113.8 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 205.6 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 5.98 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 46.7 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 280.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorized Signatory)



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Contact No.: 9818405427, 9810240678, 8826344487 E-mail: email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/164/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Bore well No. 24 Near Ballupura
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.35 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 530.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 305.2 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-80) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1328.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 127.1 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 110.7 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 3.86 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 51.8 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 294.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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5. Responsibility of the Laboratory is limited to the Invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PUJNIMA CHADHAN
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/160/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Bore well No. 24 A Near Ballupura
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.45 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 590.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 320.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1308.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 141.5 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 190.5 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 12.70 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 57.6 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 310.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.Environmental Consultants and Analytical Laboratory
(An ISO 9001:2015 Certified Company)Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No.: 9818405427, 9810240678, 8826344487 E-mail: email@ekopro.in, ekoproengineers@gmail.com, website: www.ekopro.in**TEST REPORT**
Water Sample Analysis

Test Report No : EKO/161/031120

Issue Date : 06/11/2020

Issued To : SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, RajasthanSample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Bore well No. 24 B Near Ballupura
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA**RESULTS**

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.25 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 510.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 390.7 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 1290.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 122.2 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 210.7 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 9.14 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 41.1 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 270.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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- Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.

PURNIMA CHAUHAN
TECHNICAL MANAGER
(Authorised Signatory)



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Contact No : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/157/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Bore well No. C 1 Near Bagatpura Colony Near School
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.48 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 282.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 152.6 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 830.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 67.7 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 128.4 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 12.70 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 27.0 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 255.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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5. Responsibility of the Laboratory is limited to the invoiced amount only.

****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PURNIMA CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)



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Contact No : 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/158/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Bore well No. C 2 Near Bagatpura Colony Near A Type
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|---|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.69 | — | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 420.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 284.5 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 840.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 100.6 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 142.9 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 6.28 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 41.1 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 292.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
BURNIMA CHAUHAN
TECHNICAL MANAGER
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Contact No.: 9818405427, 9810240678, 8826344487 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Water Sample Analysis

Test Report No : EKO/159/031120

Issue Date : 06/11/2020

Issued To

: SHREE CEMENT LIMITED
Village - Ras, Tehsil - Jaitaran
Distt - Pali, Rajasthan

Sample Description : Ground Water
Sample Drawn on : 02/11/2020
Sample Drawn by : EPEPL (Mr. Rohitash Rajput)
Sample Received on : 03/11/2020
Sampling Location : Bore well No. C 3 Near Bagatpura Colony Near Railway Line
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 1.0 Litre
Environmental Conditions : Normal
Analysis Duration : 03/11/2020 To 06/11/2020
Remark (if any) : NA

RESULTS

| S. No. | Parameters | Test Methods | Results | Units | Limits as per IS:10500-2012 (Amd.No.2 Sep-2018) | |
|--------|--|-------------------------|---------|-------|--|---------------|
| | | | | | Acceptable | Permissible |
| 1 | pH | IS: 3025 (P-11) | 7.58 | - | 6.5-8.5 | No relaxation |
| 2 | Total Hardness (as CaCO ₃) | IS: 3025 (P-21) | 380.0 | mg/L | 200.0 | 600.0 |
| 3 | Iron (as Fe) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 1.0 | No relaxation |
| 4 | Chloride (as Cl) | IS: 3025 (P-32) | 210.7 | mg/L | 250.0 | 1000.0 |
| 5 | Fluoride (as F) | IS: 3025 (P-60) | <1.0 | mg/L | 1.0 | 1.5 |
| 6 | Total Dissolved Solids | IS: 3025 (P-16) | 930.0 | mg/L | 500.0 | 2000.0 |
| 7 | Total Suspended Solids | IS: 3025 (P-17) | <5.0 | mg/L | - | - |
| 8 | Calcium (as Ca) | IS: 3025 (P-40) | 91.4 | mg/L | 75.0 | 200.0 |
| 9 | Manganese (as Mn) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.1 | 0.3 |
| 10 | Sulphate (as SO ₄) | IS: 3025 (P-24) | 192.6 | mg/L | 200.0 | 400.0 |
| 11 | Nitrate (as NO ₃) | IS: 3025 (P-34) | 11.90 | mg/L | 45.0 | No relaxation |
| 12 | Magnesium (as Mg) | IS: 3025 (P-46) | 36.9 | mg/L | 30.0 | 100.0 |
| 13 | Mercury (as Hg) | EKO/CHEM/SOP-ICPMS/W-01 | <0.001 | mg/L | 0.001 | No relaxation |
| 14 | Arsenic (as As) | EKO/CHEM/SOP-ICPMS/W-01 | <0.005 | mg/L | 0.01 | No relaxation |
| 15 | Total Alkalinity (as CaCO ₃) | IS: 3025 (P-23) | 320.0 | mg/L | 200 | 600.0 |

Remark:- Standard Applicable only for Drinking Water.

Notes:

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****End of Report****

For EKO PRO ENGINEERS PVT. LTD.
PUJAN CHAUDHARI
TECHNICAL MANAGER
(Authorised Signatory)

Quality of STP Treated Water:

| (STP Treated Water Quality) | | | | | | | | |
|-----------------------------|---------------------------|-----------|----------|----------|----------|----------|----------|----------|
| S. No. | Month→ Parameter ↓ | Limits | Oct-2020 | Nov-2020 | Dec-2020 | Jan-2021 | Feb-2021 | Mar-2021 |
| 1 | Total Suspended Solids | 100 mg/l | 73 | 52 | 44 | 59 | 38 | 73 |
| 2 | pH* | 5.5-9.0 | 7.22 | 7.29 | 7.36 | 7.11 | 7.4 | 7.61 |
| 3 | Oil and Grease** | 10 mg/l | 5.10 | 1.56 | 2.44 | 2.1 | 2.3 | 1.37 |
| 4 | Total Residual Chlorine | 1.0 mg/l | <0.2 | 0.2 | 0.1 | 0.2 | 0.18 | 0.1 |
| 5 | Ammonical Nitrogen (as N) | 50 mg/l | 14 | 4.3 | 3.5 | 2.6 | 3.3 | 3.5 |
| 6 | BOD 3days 27°C | 30 mg/l | 22 | 11 | 10 | 16 | 12 | 19 |
| 7 | Sulphide(as S) | 2.0mg/l | <1.0 | 0.3 | 0.1 | 0.3 | 0.21 | 0.1 |
| 8 | Chlorides | 1000 mg/l | 94 | 110 | 65 | 92 | 144 | 25 |
| 9 | COD | 250 mg/l | 141.0 | 80 | 74 | 103 | 71 | 88 |

STP installed in plant premises



Ground Water Level Monitoring

| Ground water level in meter below ground level - Year - 2018 | | | | | |
|--|---|--------------------------|---------------------------|--------------------------|----------------------------|
| S. No | Location of well ↓ Season ⇒ | Winter (January-2018) | Pre-Monsoon (May-2018) | Monsoon (August-2018) | Post-Monsoon (Nov-2018) |
| 1 | B/W Near Old Mines Office (Within Plant Area) North Side | 19.26 | 23.4 | 20.60 | 21.89 |
| 2 | O/W Jassanath Ji ki Mandi (Outside plant Area) East Side | 13.99 | 16.95 | 15.23 | 16.21 |
| 3 | Open Well # 9 Stacker & reclaimer area West side | 15.98 | 20.33 | 20.33 | 19.02 |
| 4 | Open Well # 2 Near mess area South side | 16.44 | 18.62 | 18.89 | 17.23 |

| Ground water level in meter below ground level - Year - 2019 | | | | | |
|--|--|--------------------------|---------------------------|--------------------------|----------------------------|
| S. No | Location of well ↓ Season ⇒ | Winter (January-2019) | Pre-Monsoon (May-2019) | Monsoon (August-2019) | Post-Monsoon (Nov-2019) |
| 1 | B/W Near Old Mines Office (Within Plant Area)North Side | 23.02 | 24.89 | 18.60 | 18.16 |
| 2 | O/W Jassanath Ji ki Mandi (Outside plant Area)East Side | 18.26 | 21.66 | 18.30 | 16.22 |
| 3 | Open Well # 9 Stacker & reclaimer area West side | 20.01 | 22.01 | 10.11 | 3.25 |
| 4 | Open Well # 2 Near mess area South side | 19.24 | 22.29 | 21.20 | 13.25 |

| Ground water level in meter below ground level - Year - 2020 | | | | | |
|--|--|--------------------------|---------------------------|--------------------------|----------------------------|
| S. No | Location of well ↓ Season ⇒ | Winter (January-2020) | Pre-Monsoon (May-2020) | Monsoon (August-2020) | Post-Monsoon (Nov-2020) |
| 1 | B/W Near Old Mines Office (Within Plant Area)North Side | 18.20 | 20.42 | 21.58 | 18.26 |
| 2 | O/W Jassanath Ji ki Mandi (Outside plant Area)East Side | 17.99 | 20.69 | 14.85 | 12.98 |
| 3 | Open Well # 9 Stacker & reclaimer area West side | 4.02 | 6.44 | 5.54 | 4.89 |
| 4 | Open Well # 2 Near mess area South side | 15.25 | 18.79 | 13.58 | 14.07 |

Annexure-7

Noise level within Plant Area: all values in dB (A)

| S. No | Month Location | Oct-2020 | Nov-2020 | Dec-2020 | Jan-2021 | Feb-2021 | Mar-2021 |
|-------|--------------------|----------|----------|----------|----------|----------|----------|
| 1 | Raw Mill Area | 80.51 | 82.00 | 78.13 | 81.74 | 80.03 | 77.98 |
| 2 | Coal Mill Area | 78.35 | 77.24 | 75.89 | 79.64 | 78.23 | 78.76 |
| 3 | Cooler Area | 77.59 | 76.73 | 79.24 | 80.90 | 80.18 | 80.35 |
| 4 | Cement Mill Area | 76.28 | 75.60 | 79.65 | 77.40 | 79.60 | 77.18 |
| 5 | Compressor House | 81.60 | 80.04 | 80.36 | 80.22 | 79.63 | 79.08 |
| 6 | Packing Plant Area | 75.07 | 74.33 | 78.53 | 76.63 | 79.03 | 74.03 |
| 7 | Boiler Area | 78.32 | 79.12 | 80.07 | 80.90 | 78.68 | 79.57 |
| 8 | Turbine House Area | 80.78 | 81.07 | 81.63 | 78.35 | 80.58 | 81.50 |

Annexure-8

Ambient noise level at Plant Boundary (Common for Cement plant & Power plant): all values in dB (A)

| Location | Near Main Gate | | Near Mess | | Towards Stacker & Reclaimer | | Towards Vill : Khera & Jawangarh | |
|----------|----------------|-------|-----------|-------|--------------------------------|-------|-------------------------------------|-------|
| Month | Day | Night | Day | Night | Day | Night | Day | Night |
| Oct-2020 | 72.10 | 68.00 | 70.50 | 62.30 | 71.50 | 66.30 | 67.00 | 63.20 |
| Nov-2020 | 71.70 | 67.00 | 69.20 | 61.90 | 70.60 | 65.80 | 68.60 | 64.20 |
| Dec-2020 | 72.60 | 63.40 | 71.20 | 62.80 | 65.80 | 67.30 | 68.10 | 60.10 |
| Jan-2021 | 70.20 | 62.30 | 73.10 | 62.80 | 60.80 | 59.70 | 66.10 | 62.40 |
| Feb-2021 | 68.20 | 59.30 | 70.30 | 62.60 | 65.20 | 61.90 | 62.30 | 58.20 |
| Mar-2021 | 70.30 | 64.10 | 66.90 | 60.70 | 73.10 | 63.80 | 65.50 | 59.40 |

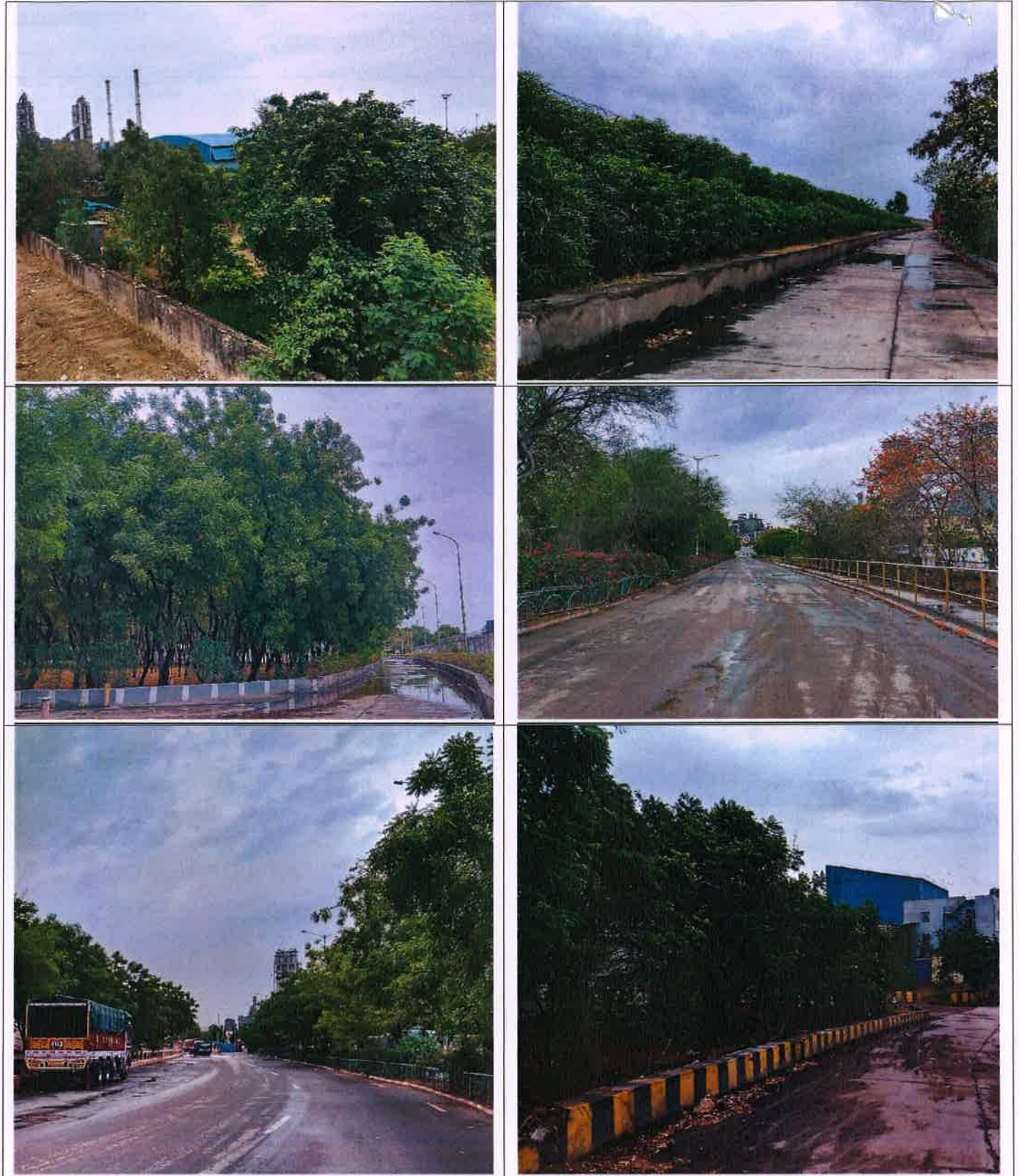
CREP Condition and action plans:

| S.No. | Corporate Responsibility for Environmental Protection (CREP) | Compliance to CREP |
|-------|---|--|
| 1 | Cement Plants, which are not complying with notified standards, shall do the following to meet the standards; <ul style="list-style-type: none"> • Augmentation of existing Air Pollution Control Devices-by July 2003 • Replacement of existing Air Pollution Control Devices-by July 2004 | Complying with the new emission standards for PM, SO ₂ & NO _x notified by MOEF&CC as per G.S.R 612 (E) dated 25.08.2014 |
| 2 | Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm ³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ . | Not applicable-Our cement plant is not located in critically polluted or urban areas. |
| 3 | The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 01.04.2003 will meet the limit of 30 mg/Nm ³ by particulate matter emissions. | All Pollution Control equipment are meeting the particulate matter emission level < 30 mg/Nm ³ . |
| 4 | CPCB will evolve load based standards by December 2003. | Not applicable. |
| 5 | CPCB and NCBM will evolve SO ₂ and NO _x emission standards by June 2004. | Not applicable to this project as the unit is a Clinker Grinding Unit. |
| 6 | The cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months. | <p>CPCB Environmental Guidelines for Prevention and Control of Fugitive emissions are being followed by Cement Plant.</p> <p>Covered storages / silos have been provided for Clinker, Fly Ash, Gypsum and Cement storage.</p> <p>Closed unloading hoppers with water spraying arrangement have been provided for unloading of limestone and coal & pet coke.</p> <p>Bag filters have been provided at all material transfer points.</p> <ul style="list-style-type: none"> • All transfer points and storage silos are provided with dust extraction system for effective control of fugitive dust emissions. • The dust collected from the pollution control equipment is being recycled back into the process. • Covered sheds and silos constructed for raw materials. • All raw material transfer conveyor is covered. • Truck mounted vacuum cleaner and road sweeper are deployed and good housekeeping is being maintain for controlling secondary fugitive dust emissions. • All conveyor belts are covered. • All movement area is cemented and sweeping is being done by vacuum sweeping machine. |

| | | |
|----|---|--|
| | | <ul style="list-style-type: none"> Circular stock piles have been provided for covered storage for coal and pet coke. |
| 7 | CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln by July 2003. | Not applicable. |
| 8 | After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/ sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003 | Continuous emission monitoring system (CEMS) are installed at all the stacks for measure emission levels and data is being continuously uploading to CPCB and RSPCB Server. |
| 9 | Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF. | Conditions of ESP tripping has been minimized as per given recommendations of NTF. |
| 10 | Industries will submit the target date to enhance the utilization of waste material by April 2003. | <p>Applicable CPCB & RSPCB permissions have been obtained for use of waste material in cement kilns.</p> <ul style="list-style-type: none"> Fly ash, pond ash is being utilized in cement manufacturing process. Hazardous waste i.e. paint sludge, phosphate sludge, CETP sludge, oily rags, used, waste mix solid and waste mix liquids, oil etc. are Co-processing in cement kiln as AFR. Spent acid being utilized for manufacturing of synthetic gypsum. |
| 11 | NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003. | CPCB & RSPCB permissions have been obtained for use of paint sludge, ETP sludge and phosphate sludge of automobile industries, CETP Sludge of Pali, Chemical Gypsum, Tyre chips, Solid mix waste and liquid mix waste, oil soaked cotton and grinding waste, Oily rags etc. for utilization as AFR. |
| 12 | Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003. | WHR systems are installed in all the units. |

Photographs showing Plantation in Plant Premises







Photographs showing Plantation in Residential Township

