



# SHREE CEMENT LTD.

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SCL/BWR/ENV/2019-20/

3262

Date:-27/05/2019

To,  
The Director,  
Ministry of Environment & Forest,  
Regional Office (Central Region),  
Kendriya Bhawan, 5<sup>th</sup> Floor, Sector 'H' Aliganj,  
Lucknow (U.P.), Pin-226024

**Sub: - Six monthly Compliance report of environmental clearance of 300 MW (2x150 MW) Thermal Power Plant at village-Andheri Deori, Tehsil-Masuda, District-Ajmer, (Rajasthan) by Shree Cement Limited.**

**Ref: - Environment Clearance No.: J-13012/83/2009-IA-II (T) dated 30<sup>th</sup> November 2010.**

Dear Sir,

In reference to the above subject matter and referred letter, we are submitting herewith half yearly compliance report of above environmental clearance for the period from Oct. 2018 to ~~Apr.~~ <sup>March</sup> 2019.

This is for your kind information please.

Thanking you,

Yours faithfully,

For Shree Cement Ltd.

*R. Bhargava*

(Rakesh Bhargava)

Sr. Vice President (Environment)

- Cc to:-
1. The Director (IA Div.-Thermal Power), Ministry of Environment & Forests  
Indira Paryavaran Bhavan, Jorbag Road, New Delhi-110003
  2. The In-Charge (Zonal Office), Central Pollution Control Board (CPCB), 3<sup>rd</sup>  
Floor, Sahkar Bhawan, North T.T. Nagar, Bhopal-462003(M.P.)
  3. The Member Secretary, Rajasthan Pollution Control Board, 4, Institutional  
Area, Jhalana Doongri, JAIPUR-302004(Rajasthan).

O/C ENV T

JAIPUR OFFICE : SB-187, Bapu Nagar, Opp. Rajasthan University, JLN Marg, Jaipur-302 015  
Phone : 0141 4241200, 4241204, Fax : 0141 4241219

NEW DELHI OFFICE : 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110 002  
Phone : 011 23370828, 23379218, 23370776, Fax : 011 23370499

CORP. OFFICE : 21, Strand Road, Kolkata 700 001 Phone : 033-22309601-4 Fax : 033 22434226

**SHREE CEMENT LIMITED,**  
**Compliance Status of 300 MW (2x150 MW) Thermal Power Plant**  
At Village Andheri Deori, Tehsil-Masuda, District Ajmer (Rajasthan)  
**ENVIRONMENT CLEARANCE LETTER No. : J-13012/83/2009-IA.II (T) dated 30<sup>th</sup> November, 2010**  
**PERIOD OF COMPLIANCE : October 18 to March 19**

	Conditions	Compliances status
(i)	In case fuel for running the power plant is proposed to be changed from blending of Pet Coke and Imported Coal to other fuel (unblended liquid or solid or gas or any other in variance to the present proposal) the project proponent shall apply for such a change in environmental clearance along with necessary documents as required under EIA notification, 2006 (and its amendments). In such a case the necessity for holding public hearing again or otherwise will be determined by the Ministry in consultation with the Expert Appraisal Committee (Thermal Power).	Indian and Imported Coal is used for running the power plant.
(ii)	Vision document specifying prospective plan for the site shall be formulated and submitted to the Ministry within six months.	After satisfactory running of boiler & turbine, possibilities are being explored to further optimize the operation to generate more power with existing resources.
(iii)	A stack of 220 m height shall be provided with continuous online monitoring equipments for SO <sub>x</sub> , NO <sub>x</sub> and Particulate Matter. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack shall also be monitored on periodic basis.	Both the boilers are attached with a stack of 220 meter height. Continuous online monitoring system for monitoring of SO <sub>2</sub> , NO <sub>x</sub> and particulate matter have been installed. Monitoring of mercury emission was carried out in Oct 2018 by external party <b>(Analysis report is enclosed Annexure-1)</b> .
(iv)	The water requirement of 1300 m <sup>3</sup> /day shall be met from the water saved in the existing 44 MW CPP of the Cement Plant by replacing the water cooled condensers with the air cooled condensers. Water requirement is 4450m <sup>3</sup> /day of which 1300m <sup>3</sup> /day for the proposed 2x150 MW pet coke power plant and 3150 m <sup>3</sup> /day for the existing cement plant, mines and colony.	Air cooled condenser has been installed. The current water consumption is < 1300 KLD at 300 MW.
(v)	Hydro geological study of the area shall be reviewed annually and report submitted to the Ministry. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/ operation of the power plant.	Hydro geological study of the area has been carried out for the year 2018-19. The report has been submitted. <b>(Annexure -2)</b>
(vi)	COC of 5.0 shall be adopted.	Air cooled condenser has been installed.
(vii)	Local employable youth shall be trained in skills relevant to the project for eventual employment in the project itself. The action taken report and details thereof to this effect shall be submitted to the Regional Office of the Ministry and the State Govt. Dept. concerned from time to time.	Local people are employed in plant & are provided relevant training.
(viii)	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	The site is flat; no soil for the leveling of site was used.
(ix)	Provision for installation of FGD shall be provided for future use.	Adequate space for installation of FGD has been provided.
(x)	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission from the proposed power plant and cement plant does not exceed 50 mg/Nm <sup>3</sup> .	High efficiency electrostatic precipitators (ESPs) have been installed to achieve particulate emission below 50 mg/Nm <sup>3</sup> . <b>(Monitoring report enclosed as Annexure-I)</b>
(xi)	Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Bag dust collectors are provided at all material transfer points. Conveyor belts are covered. Water spray arrangement has been provided in coal & pet coke handling areas. Dry ash is stored in silo & transported to cement plant.

	Conditions	Compliances status
	to time.	
	<b>General Condition</b>	
(i)	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary except during monsoon. Arrangements shall be made that effluents and storm water do not get mixed.	Waste water generated from RO system is being reused for making synthetic gypsum in synthetic gypsum plant.
(ii)	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.	Domestic effluent is treated in STP and treated water is used in plantation.
(iii)	A well designed rainwater harvesting shall be constructed. Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rainwater harvesting technology within a period of three months from the date of issue of clearance and details shall be furnished to the Regional Office of the Ministry.	We have developed rainwater harvesting structures in and around the plant area. Details given as below: <ul style="list-style-type: none"> <li>• Check dams at vill: Jhunjharo Ka Bariya, Lulva, Gena rampura, Pulwali rapat &amp; Teja ji ki nadi Andheri Deori</li> <li>• Rain water collection in mine pit</li> <li>• Construction of artificial reservoirs for rain water collection behind temple at Shree Vihar Colony and Anand Vihar Colony</li> <li>• Roof rain water harvesting structures</li> <li>• Drip irrigation systems.</li> </ul>
(iv)	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	Adequate safety measures like fire extinguishers in the plant area and hydrant line have been provided in plant and coal yard area. Details have already been submitted to MoEF
(v)	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	Auxiliary liquid fuel HSD is stored in plant area. License for storage has been obtained from Department of Explosives, Nagpur. Disaster Management Plan has been prepared.
(vi)	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	Regular monitoring of ground water level is being carried out by establishing a network of existing wells/bore wells. There is no ash pond in power plant. Monitoring of heavy metals was carried out in Oct 2018 by external party. <b>(Analysis report enclosed as Annexure-3)</b>
(vii)	Monitoring surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	There is no surface water available in the area.
(viii)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First Aid and sanitation arrangements are available at the site for the drivers and other contract workers.
(ix)	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective	75 dBA noise level is maintained at the boundary of the plant. <b>(Analysis report enclosed as Annexure-4)</b> Acoustic enclosures are provided for turbines.

	Conditions	Compliances status
	convenient location near the main gate of the company in the public domain.	
(xvi)	The environment 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 clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	Environment statement for each financial year ending 31 <sup>st</sup> March is being submitted to SPCB & by e-mail to Regional Offices of the Ministry and also uploaded on the website of the company along with the status of compliance of environmental clearance conditions.
(xvii)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.	Six monthly reports of the status of implementation of the stipulated environmental safeguards are being sent to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. Status of compliance of EC conditions has been uploaded on company's website <a href="http://www.shreecement.in">www.shreecement.in</a> and updated periodically.
(xviii)	Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NO <sub>x</sub> (from stack & ambient air) shall be displayed at the main gate of the power plant.	EIA/EMP report has been submitted to the Regional office of MoEF along with additional information. Status of compliance of the EC conditions has been uploaded on company's website <a href="http://www.shreecement.in">www.shreecement.in</a> and updated periodically. Digital display board has been installed at the plant main gate to display the criteria pollutant emission level.
(xix)	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Total environmental expenditure during financial year 2018-19 was Rs. 133.99 Lacs(Approx.)
(xx)	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	First boiler commissioned in October 2011 and second boiler commissioned in January 2012.
(xxi)	Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bangalore / CPCB/ SPCB who would be monitoring the compliance of environmental status.	Full cooperation is being extended to all mentioned authorities during monitoring of the project.

Anx-1

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 : 9711159210, 9711159427 / SMSA/Whatsapp No : 9711183422 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

## TEST REPORT

### Stack Emission Analysis

Test Report No : EKO/EV-SE/111/081018

Issue Date : 13/10/2018

Issued To

: Shree Cement Ltd.  
Village - Andheri Deori  
Tehsil - Masuda  
Distt. - Ajmer (Raj)

Sample Description : Stack Emission  
Sample Drawn on : 05/10/2018  
Sample Drawn By : EPEPL (Mr. Subhash Sharma)  
Sample Received on : 08/10/2018  
Time of Sampling (Minutes) : 30  
Sampling Plan & Procedure : SOP-SE/09  
Analysis Duration : 08/10/2018 To 12/10/2018  
Source of Emission : Boiler (2 X 100 TPH)  
Capacity : 22 MW X 2  
Operating Load : Normal  
Normal Operation Schedule : As per requirement  
Type of Stack : -  
Diameter of Stack (meter) : 3.0  
Height of Stack from Ground Level (meter) : 80.0  
Height of Stack from Roof Level (meter) : -  
Height of Sampling Location (meter) : -  
Type of Fuel Used : Indian & Imported Coal & Petcoke  
Fuel Consumed per Hour : -  
Ambient Temperature (deg.C) : 28.0  
Stack Temperature (deg.C) : 102.0  
Average Velocity of Flue Emission (m/sec) : 11.2  
Average Flow Rate (lpm) : 20.5  
Control Measures ( if any ) : ESP & FGD  
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)	26.8	28.16	mg/Nm <sup>3</sup>	100.0
2	Sulphur Dioxide (as SO <sub>2</sub> )	IS :11255 (P-2)	242.5	238.8	mg/Nm <sup>3</sup>	600.0
3	Oxides of Nitrogen (as Nox)	IS :11255 (P-7)	45.7	47.87	mg/Nm <sup>3</sup>	600.0
4	Mercury (as Hg)	IS :11255 (P-7)	<0.0001	—	mg/Nm <sup>3</sup>	0.03
5	Absolute Pressure	IS :11255 (P-1)	711.09	—	mmHg	—
6	Moisture Content	IS :11255 (P-1)	16.2	—	%	—

\* Details as per CPCB Guidelines.

\*\* End of Report \*\*

#### Notes :

- 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.
- 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 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.

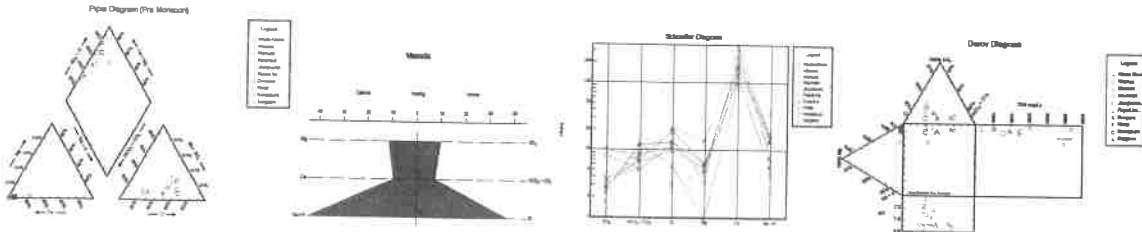
For EKO PRO ENGINEERS PVT. LTD.





Annexure-2

# SHREE CEMENT LTD



## REPORT ON

**HYDROGEOLOGICAL STUDIES,  
GROUND WATER RESOURCES EVALUATION  
AND  
RAINWATER HARVESTING SYSTEM  
FOR  
AUGUMENTATION OF GROUND WATER**

**NEAR**

**VILLAGE ANDHERI DEORI, BLOCK MASUDA,  
AJMER, RAJASTHAN**

**(Year- 2018)**

**BY**

**ASSOCIATE ENGINEERS AND CONSULTANTS**

**4/8 Malviya Nagar, Jaipur- 302017; Phone: 0141-4116394, 9414072208;**

**email: gupta\_pavan68@hotmail.com;**

**website: [www.aecgroundwater.com](http://www.aecgroundwater.com)**



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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. : 9711159218, 9711159427, SMS/Whatsapp No. : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in



For Any Query Contact  
Group : A-9711159337

## TEST REPORT

### Ash Sample Analysis

Test Report No. : EK0/EV-SL/104/151018

Issue Date : 20/10/2018

Issued To

: Shree Cement Ltd.  
Village- Andheri Deori  
Tehsil - Masuda  
Distt.- Ajmer (Raj.)

Sample Description : Bottom Ash  
Sample Drawn on : 13/10/2018  
Sample Drawn by : EPEPL(Mr. Subhash Sharma)  
Sample Received on : 15/10/2018  
Sampling Location : From Boiler 1 & 2  
Sampling Plan & Procedure : SOP-S/50  
Sample Quantity : 1.0 Kg  
Environmental Condition : Normal  
Analysis Duration : 15/10/2018 To 19/10/2018  
Remark (if any) : NA

## RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	Chromium total (as Cr)	ICP-MS	2.86	mg/kg
2	Lead (as Pb)	ICP-MS	1.78	mg/kg
3	Mercury (as Hg)	ICP-MS	< 0.01	mg/kg
4	Arsenic (as As)	ICP-MS	0.46	mg/kg

### Notes :

\*\*End of Report\*\*

- 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 written permission of the Laboratory.
  - This test report will not be used for any publicity/legal purpose.
  - This test samples will be disposed off after two weeks 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.

For EKO PRO ENGINEERS PVT. LTD





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Environmental Consultants and Analytical Laboratory  
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Contact No. : 9711159210, 9711159427, SMS/Whatsapp No. : 9711159427, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in



For Any Query Contact  
Group : A-9711159337

## TEST REPORT

### Noise Monitoring

Test Report No. : EKO/ENV-NM/107/151018

Issue Date : 17/10/2018

Issued To

: Shree Cement Ltd.  
Village- Andheri Deori  
Tehsil - Masuda  
Distt.- Ajmer (Raj.)

Sample Description : Ambient Noise  
Sample Drawn on : 13/10/2018  
Sample Drawn by : EPEPL(Mr. Subhash Sharma)  
Sample Received on : 15/10/2018  
Sampling Location : Plant Boundary Towards Village Sarakana  
Sampling Plan & Procedure : SOP-N/01  
Environmental Condition : Normal  
Analysis Duration : 15/10/2018 To 16/10/2018  
Remark (if any) : NA

## RESULTS

S.No.	PARAMETER	Test Methods	Results	Units	LIMITS AS PER EPA *
1	Leq	Eko/Chem/SOP/S/N-01	58.4	dB (A)	75.0

\* Details as per EPA -1986 Ambient Noise Quality Standards, Schedule-III, (Rule-3)

### Notes :

\*\*End of Report\*\*

- 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 written permission of the Laboratory.
- This test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

For EKO PRO ENGINEERS PVT. LTD





**EKO PRO ENGINEERS PVT. LTD.**

Environmental Consultants and Analytical Laboratory  
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Contact No. : 9711163422, 9711159427, SMS/Whatsapp No. : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in



For Any Query Contact  
Group : A-9711159337

## TEST REPORT

### Noise Monitoring

Test Report No. : EK0/EV-NM/108/151018

Issue Date : 17/10/2018

Issued To

: Shree Cement Ltd.  
Village- Andheri Deori  
Tehsil - Masuda  
Distt.- Ajmer (Raj.)

Sample Description : Ambient Noise  
Sample Drawn on : 13/10/2018  
Sample Drawn by : EPEPL(Mr. Subhash Sharma)  
Sample Received on : 15/10/2018  
Sampling Location : Plant Boundary Towards Power Plant  
Sampling Plan & Procedure : SOP-N/01  
Environmental Condition : Normal  
Analysis Duration : 15/10/2018 To 16/10/2018  
Remark (if any) : NA

**RESULTS**

S.No.	PARAMETER	Test Methods	Results	Units	LIMITS AS PER EPA *
1	Leq	Eko/Chem/SOP/S/N-01	64.2	dB (A)	75.0

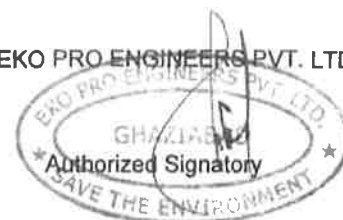
\* Details as per EPA -1986 Ambient Noise Quality Standards, Schedule-III, (Rule-3)

**Notes :**

**\*\*End of Report\*\***

- 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 written permission of the Laboratory.
- This test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

For EKO PRO ENGINEERS PVT. LTD





Office & Laboratory : 3241 South Side of G.T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA  
Contact No. : 9711159210, 9711159337 : SMS/WhatsApp No. : 9711163422 : E-mail : email@ekopro.in, ekoproengineers@gmail.com : website : www.ekopro.in



For Any Query Contact  
Group : A-9711159337

## TEST REPORT

## Ambient Air Quality Monitoring

Test Report No. : EK0/EV-AA/106/151018

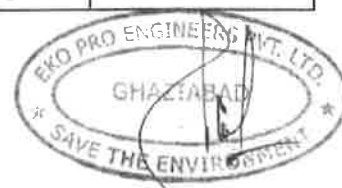
Issue Date : 20/10/2018

Issued To : Shree Cement Ltd.  
Village- Andheri Deori  
Tehsil - Masuda  
Distt.- Ajmer (Raj.)

Sample Description : Ambient Air  
Sample Drawn on : 13/10/2018 To 14/10/2018  
Sample Drawn by : EPEPL(Mr. Subhash Sharma)  
Sample Received on : 15/10/2018  
Sampling Location : Plant Boundary Towards Main Gate  
Sampling Plan & Procedure : SOP-AAQ/15  
Analysis Duration : 15/10/2018 To 19/10/2018  
Sampling Time : 24.0 Hrs.  
Ambient Temperature (deg °C) : 30.0  
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.	PARAMETER	Test Methods	Results	Units	Limits as per EPA*
	Particulate Matter (PM10)	IS:5182 (P-23)	55.9	µg/m³	100.0
2	Particulate Matter (PM2.5)	Eko/Chem/SOP/AAQ-01	45.2	µg/m³	60.0
3	Sulphur dioxide (as SO2)	IS:5182 (P-2)	9.26	µg/m³	80.0
4	Nitrogen Dioxide (as NO2)	IS:5182 (P-6)	15.7	µg/m³	80.0
5	Arsenic (as As)	Eko/Chem/SOP/AAQ-02	<0.1	ng/m³	6.0
6	Mercury (as Hg)	SOP-AAQ/89/04	<0.1	µg/m³	-



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Contact No. 9711158210, 9711159337, SMS/Whatsapp No. : 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.inFor Any Query Contact  
Group : A-9711159337**TEST REPORT****Ambient Air Quality Monitoring**

Test Report No. : EK0/EV-AA/103/151018

Issue Date : 20/10/2018

Issued To : Shree Cement Ltd.  
Village- Andheri Deori  
Tehsil - Masuda  
Distt.- Ajmer (Raj.)

Sample Description : Ambient Air  
 Sample Drawn on : 12/10/2018 To 13/10/2018  
 Sample Drawn by : EPEPL(Mr. Subhash Sharma)  
 Sample Received on : 15/10/2018  
 Sampling Location : Plant Boundary Towards Power Plant  
 Sampling Plan & Procedure : SOP-AAQ/15  
 Analysis Duration : 15/10/2018 To 19/10/2018  
 Sampling Time : 24.0 Hrs.  
 Ambient Temperature (deg °C) : 30.0  
 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.	PARAMETER	Test Methods	Results	Units	Limits as per EPA*
	Particulate Matter (PM10)	IS:5182 (P-23)	58.2	µg/m³	100.0
2	Particulate Matter (PM2.5)	Eko/Chem/SOP/AAQ-01	43.9	µg/m³	60.0
3	Sulphur dioxide (as SO2)	IS:5182 (P-2)	7.26	µg/m³	80.0
4	Nitrogen Dioxide (as NO2)	IS:5182 (P-6)	13.5	µg/m³	80.0
5	Arsenic (as As)	Eko/Chem/SOP/AAQ-02	<0.1	ng/m³	6.0
6	Mercury (as Hg)	SOP-AAQ/89/04	<0.1	µg/m³	-



**EKO PRO ENGINEERS PVT. LTD.**
**Environmental Consultants and Analytical Laboratory**  
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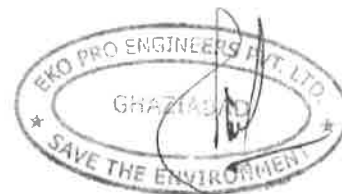
 Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.  
 Contact No. : 9711158210, 9711159427, SMS/Whatsapp No. : 9711163422; E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

**For Any Query Contact**  
**Group : A-9711159337**
**TEST REPORT****Ambient Air Quality Monitoring****Test Report No. :** EK0/EV-AA/104/151018**Issue Date :** 20/10/2018
**Issued To :** Shree Cement Ltd.  
 Village- Andheri Deori  
 Tehsil - Masuda  
 Distt.- Ajmer (Raj.)

**Sample Description :** Ambient Air  
**Sample Drawn on :** 12/10/2018 To 13/10/2018  
**Sample Drawn by :** EPEPL(Mr. Subhash Sharma)  
**Sample Received on :** 15/10/2018  
**Sampling Location :** Plant Boundary Towards Power Village Sarakana  
**Sampling Plan & Procedure :** SOP-AAQ/15  
**Analysis Duration :** 15/10/2018 To 19/10/2018  
**Sampling Time :** 24.0 Hrs.  
**Ambient Temperature (deg °C) :** 30.0  
**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.	PARAMETER	Test Methods	Results	Units	Limits as per EPA*
	Particulate Matter (PM10)	IS:5182 (P-23)	56.4	µg/m³	100.0
2	Particulate Matter (PM2.5)	Eko/Chem/SOP/AAQ-01	40.9	µg/m³	60.0
3	Sulphur dioxide (as SO2)	IS:5182 (P-2)	8.38	µg/m³	80.0
4	Nitrogen Dioxide (as NO2)	IS:5182 (P-6)	11.7	µg/m³	80.0
5	Arsenic (as As)	Eko/Chem/SOP/AAQ-02	<0.1	ng/m³	6.0
6	Mercury (as Hg)	SOP-AAQ/89/04	<0.1	µg/m³	-



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Contact No. : 9811159210, 9711153421. SMS/Whatsapp No. : 9711153421 E-mail : [enquiry@ekopro.in](mailto:enquiry@ekopro.in), [ekoproengineers@gmail.com](mailto:ekoproengineers@gmail.com), website : [www.ekopro.in](http://www.ekopro.in)



## TEST REPORT

### Ambient Air Quality Monitoring

For Any Query Contact  
Group : A-9711159337

Test Report No. : EK0/EV-AA/105/151018

Issued To

Shree Cement Ltd.  
Village- Andheri Deori  
Tehsil - Masuda  
Distt.- Ajmer (Raj.)

Issue Date : 20/10/2018

Sample Description : Ambient Air  
Sample Drawn on : 13/10/2018 To 14/10/2018  
Sample Drawn by : EPEPL(Mr. Subhash Sharma)  
Sample Received on : 15/10/2018  
Sampling Location : Near Residential Colony  
Sampling Plan & Procedure : SOP-AAQ/15  
Analysis Duration : 15/10/2018 To 19/10/2018  
Sampling Time : 24.0 Hrs.  
Ambient Temperature (deg °C) : 30.0  
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

S.No.	PARAMETER	RESULTS			
		Test Methods	Results	Units	Limits as per EPA*
1	Particulate Matter (PM10)	IS:5182 (P-23)	56.2	µg/m³	100.0
2	Particulate Matter (PM2.5)	Eko/Chem/SOP/AAQ-01	40.4	µg/m³	60.0
3	Sulphur dioxide (as SO2)	IS:5182 (P-2)	10.2	µg/m³	80.0
	Nitrogen Dioxide (as NO2)	IS:5182 (P-6)	12.7	µg/m³	80.0
	Arsenic (as As)	Eko/Chem/SOP/AAQ-02	<0.1	ng/m³	6.0
	Mercury (as Hg)	SOP-AAQ/89/04	<0.1	µg/m³	

