CIN No. : L26943RJ1979PLC001935
Phone : 01462 228101-6
Toll Free : 1800 180 6003 / 6004
Fax : 01462 228117 / 228119
E-Mail : shreebwr@shreecement.com
Website : www.shreecement.com

SHREE JAIPUR CEMENT PLANT

(A UNIT OF SHREE CEMENT LTD.)

An ISO 9001, 14001, 45001 & 50001 Certified Company

5KM STONE, MAHLA-JOBNER ROAD
VILLAGE-ASALPUR, TEHSIL PHULERA, DISTT.-JAIPUR-303 331

SCL/SJCP/ENV/34/2020-21/

Date : - 20/11/2020

To,
The Addl. Principal Chief Conservator of Forest (C),
Ministry of Environment, Forest and Climate Change,
Regional Office(Central Zone), Kendriya Bhawan, 5th Floor
Sector 'H' Aliganj, Lucknow (U.P.)-226020

Sub: - Regarding half yearly environment compliance report of the Environment Clearance Granted to Clinker Grinding Unit of Shree Cement Ltd. situated Near Village – Dehra - Asalpur, Tehsil – Phulera, District - Jaipur, (Rajasthan).

Ref: - Environmental Clearance Letter No. F 1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat 3(b) B I (229)/09-10 dated 30th April 2010.

Dear Sir,

This is with reference to the above subject matter and referred letter, we are submitting herewith half yearly environment compliance report for the period of Apr-2020 to Sep-2020.

This is for your kind information please.

Thanking you,
Yours faithfully,
For Shree Cement Ltd.

Dr. Anil Kumar Trivedi
Sr. G.M. (Environment)

Copy to: -

1. Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Jhalana Doongri, Jaipur-302004.
2. The In-Charge (Zonal Office), Central Pollution Control Board (CPCB), 3rd Floor, Sahkar Bhawan, North T.T. Nagar, Bhopal-462003(M.P.)

SHREE CEMENT LIMITED
Village-Dehra-Asalpur, Tehsil – Phulera, District- Jaipur, (Rajasthan)
COMPLIANCE STATUS OF ENVIRONMENT CLEARANCE LETTER

NO. : F 1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat 3(b) B I (229)/09-10 Dated – 30th April 2010.

PERIOD OF COMPLIANCE: Apr-2020 to Sep-2020

<table>
<tr><th>S. No.</th><th>SPECIFIC CONDITIONS</th><th>COMPLIANCE STATUS</th></tr>
<tr><td>i</td><td>The production capacity of the industry for Cement (Clinker Grinding) shall not exceed 4.00 million tones/ year.</td><td>Present production capacity for cement (clinker grinding) is less than 2.0 Million TPA. And last 03 years cement production are as below
<table>
<tr><td>FY</td><td>Cement Production (in Million TPA)</td></tr>
<tr><td>2017-18</td><td>831166</td></tr>
<tr><td>2018-19</td><td>1063105</td></tr>
<tr><td>2019-20</td><td>596657</td></tr>
</table></td></tr>
<tr><td>ii</td><td>No water shall be consumed in the processing and no waste water shall be generated.</td><td>Cement (Clinker grinding) is dry process therefore water is not used in process and Unit is being complying with zero liquid discharge (ZLD).</td></tr>
<tr><td>iii</td><td>The PP shall be achieve the stack emission standards and ambient air standards as notified under E.P. Rules, 1986 (including CREP guidelines)</td><td>We are complying with the stack emission standards and ambient air standards. CREP recommendations related to grinding unit are being complied.
<table>
<tr><th>S. No</th><th>CREP CONDITION</th><th>Compliance Status</th></tr>
<tr><td>1</td><td>The new cement kiln to be accorded NOC/ Environmental Clearance w.e.f 1/4/03 will meet the limit of 50 mg/Nm3 for particulate matter emission</td><td>Complying with new emission norms i.e. PM <30 mg/Nm3.</td></tr>
<tr><td>2</td><td>The cement industries will control fugitive emission from all raw material and product storage and transfer points by December 2003. However, the National Task Force will decide the feasibility for the control of fugitive emission from limestone and coal storage areas. The NTF shall submit its recommendations within months</td><td>Bag filters have been installed at various locations of material transfer points. Fly ash and clinker is stored in silos. All conveyor belts are covered.</td></tr>
</table></td></tr>
</table>

		3	Industries will submit the target date to enhance the utilization waste material by April 2003	Fly ash is being used in the manufacture of PPC Cement
		4	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003	Not applicable as our is a Cement (Clinker Grinding unit)
		5	Cement industries will carry out feasible study and submit target dates to CPCB co-generation of power by July-2003	Not applicable
iv	The height of the stack for disbursement of the process emissions shall not be less than 30 M or as per the CPCB norms from ground level, whichever is greater.	Stack height attached with cement mill bag house is 55 mtrs from ground level.		
v	The PP shall operate the unit with prior Consent to Establish and Consent to Operate under the provisions of Water (Prevention & Control of Pollution) Act'74 and Air (Prevention & Control of Pollution) Act'81.	Consent to establish has been obtained vide letter no. F(Tech)/Jaipur (Phulera)/19(1)2010-2011/1050-1052 dt 27/05/2010 and Consent to operate vide letter no. F(Tech)/Jaipur (Phulera)/19(1)/2010-2011 /7928-7930 Dt 26/10/2016.		
vi	The particulate matter and gaseous emissions (SOx, NOx CO, CO_2, etc) from various processes/ units/storages shall conform to the standards prescribed by the RPCB/CPCB or under the Environment (Protection) Rules'86 from time to time.	Dust collectors are installed at all material transfer points to achieve the emission level of PM< 30 mg/Nm3. Gaseous parameter e.g. SOx, NOx. CO and CO2 not applicable for our cement (clinker grinding) unit.		
vii	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the unit shall immediately put off operation and shall not restart until the control measures are rectified to achieve the desired efficiency.	Dust collector has been installed at the stack of cement mill to control the particulate matter emission and Interlocking facility has been provided in the pollution control system with the cement mill.		
viii	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided to control emissions within 50 mg/NM^3 by installing adequate air pollution control system like bag filters, dust collectors etc. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down	Continuous Emission Monitoring System (CEMS)has been installed at cement mill stack to monitor particulate matter emission level and the data of same are being continuously uploaded at RSPCB and CPCB server on 24 x 7 basis. Interlocking facility has been provided in the pollution control system with the cement mill.		

	automatically.	
ix	The PP shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. For source emission control, bag filters shall be provided on clinker hopper, cement silo, fly ash silo, elevator; packer; cement transport equipment etc which will also contribute to reduce fugitive emissions. The fugitive emissions during loading and unloading shall be suitably controlled. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	Bag filters have been installed at various material transfer points like clinker hopper, cement silo, fly ash silo, cement packer and unloading hoppers to control the fugitive emission. Dust collected from pollution control equipment is recycled back into the process. Fly ash, Clinker are stored in silos and Gypsum stored in covered yard. All conveyor belts are covered. All roads, truck parking area and cement bag loading areas are concreted. Road cleaning is being carried out by vacuum sweeping machines (01 truck mounted TPS and 01 Small TPS Machine).
x	Ambient air quality monitoring stations shall be set up in consultation with RPCB in the down wind direction as well as where maximum ground level concentration of PM10 & PM2.5, SOx, NOx, CO, CO_2, are anticipated.	03 nos ambient air quality monitoring stations have been installed in consultation with RPCB. We are a standalone clinker grinding unit and as per existing practice in Cement industry, PM10, PM2.5, SO2, NO2 & CO are monitored. Monitoring results are attached herewith as **Annexure – 1**.
xi	The project proponent shall submit an Air pollution control plan indicating various sources of air pollution, their emission rate, the control established and details of controls etc.	Details have been incorporated in project report and submitted to the SEIAA during obtainment of EC.
xii	Portholes and sampling facilities shall be provided for the stacks emissions monitoring as per the Central Pollution Control Board guidelines. Stack emissions shall be monitored in consultation with RPCB	Portholes and sampling facilities has been provided for stack emission monitoring as per the Central Pollution Control Board guidelines. Stack emission is carried out on monthly basis and CEMS online data is being continuously uploaded at RSPCB and CPCB server on 24 x 7 basis. Stack emission monitoring result are attached as **Annexure 3**.
xiii	Data on ambient air quality and stack emissions shall be submitted to RPCB once in six months carried out by MOEF/NABL/CPCB/Government approved lab.	Complying with, ambient air quality monitoring report and stack emission monitoring report are being carried out by the NABL approved lab and reports are submitting to the RSPCB on quarterly basis. Copies of same are attached as **Annexure – 5.**
xiv	Fugitive dust emissions shall be controlled as per relevant guidelines issued by CPCB.	Bag filters have been provided at various storage, material transfer points and loading & unloading hoppers to control fugitive emission. Raw material is being stored in covered sheds.

		Cleaning of roads and floors is done by vacuum cleaning machine. Fugitive dust emission monitoring result are attached as **Annexure-3.**
xv	The total requirement shall not exceed 300 KLD (150 KLD for domestic use + 150 KLD for industrial use) of which 200 KLD is during Ist Phase & 100KLD during IInd Phase as mentioned in the project report. Ground water extraction shall not be done without prior permission of CGWA	NOC from CGWA has been obtained for the withdrawal of ground water of 300 KLD water vide letter no. 21-4(428)/WR/CGWA/2010-816 on dated 14 may 2010 & applied for renewal respectively dated 18.08.2014 and 12.06.2018. Renewal is still under progress at CGWA Delhi and copy of same are attached as **Annexure-6.**
xvi	The PP shall provide separate drainage and outlets for the management of storm water.	Separate drainage and outlets for the of storm water has been constructed. Storm water drains are connected with ground water recharge structure.
xvii	Handling, manufacture, storage and transportation of hazardous chemicals shall be in accordance with the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 (amended till date).	Not applicable for us as we are not used any type of hazardous chemical in cement manufacturing process.
xviii	The PP shall take adequate measures for the control of noise shall be taken so as to keep the noise levels below 85dBA in the work environment. Persons working near the machines shall be provided with well-designed ear muffs/plugs and other personnel protective equipments. The Project Proponent shall submit a Silicosis Management Plan to RPCB prior to commencement of work.	Noise level within the plant area is < 85 dB(A). PPEs e.g. ear plug/ muffs are provided to persons working in high noise area. Our mechanical team is being carried out continuously maintenance of plant machinery to reduce noise level. Quartz like materials which cause Silicosis related diseases are not used. Work zone monitoring of noise level are attached as **Annexure-4**
xix	Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established	We have installed smoke detectors, fire alarm & Cyrene for information to all so as to assemble at different pre-identified locations in case of emergency.
xx	Efforts shall be made to increase green belt all around the premises. Native plant species shall be selected for these propose in consultation with the local Forest department. A green belt development plan be prepared and implemented so as to cover at least 33% area of the plot size.	We have developed plantation in 9.8 hectare out of 29.16 hectare of total plant area i.e. 34% of total plant area. During Apr-20 to Sep-20 total 322 nos of tree sapling planted for density increase.
xxi	A qualified person in the field of environment or separate Environmental Management Cell to be established to implement and carry out various functions is set up under the control of a Senior Executive who will report directly to the head of the project	A separate environmental management cell has been setup to carry out various management and monitoring functions.
xxii	The funds earmarked for the environmental protection measures shall be kept in separate account and shall not be diverted for other	Year wise recurring expenditure of EMP is being submitted to the Officials of Regional Office regularly. Expenditure incurred in the year of

	purposes and year wise expenditure shall be reported to RPCB under the rules prescribed for environmental audit.	2019-20 (April-2019 to March-20) was 92.85 (cost in lac)
xxiii	implementation of the environmental safeguards like fire fighting, water harvesting etc. along with socio economic measures like group insurance, free medical facilities, ESI/EPF facilities to the employees as envisaged under the Environmental Management Plan; details are to be submitted to the Rajasthan Pollution Control Board, at the time of applying for consent to establish/operate.	Separate safety department has been established to take care of emergency situation. Fire fighting arrangements have been made at all required locations. Group medical policy and EPF has been adopted.
xxiv	The PP shall ensure that, the EC letter as well as the status of compliance of EC conditions and the monitoring data are placed on company's website and displayed at the project site.	EC compliance status and monitoring data placed at the company's website www.shreecement.com and project site regularly.
xxv	The PP shall ensure that, in order to take up voluntary CSR related activities, a sum of Rs.500.00 lakh is provided and spent initially and a sum of RS 50.00 Lakhs annually. The books of accounts shall reflect the expenditure made in this regard. Item wise break up in this regard shall be submitted to RPCB at the time of applying for CTE	Item wise break up in this regard has been submitted to RPCB at the time of applying for CTE and below CSR activities are being carried out in consultation with local panchayat in nearby villages • Environment Protection • Women empowerment • Education and Healthcare • Sports and Religious activity.
xxvi	Six monthly compliance status reports on project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow and Rajasthan State Pollution Control Board.	Agreed, we are submitting herewith six monthly Environment compliance in MoEF Regional Office Lucknow, Zonal office CPCB Bhopal and Rajasthan State Pollution Control Board.
xxvii	The SEIAA, Rajasthan reserves the right to add new conditions, modify/annual any of the stipulated conditions and/or to revoke the clearance if implementation of any of the condition stipulated by SEIAA, Rajasthan or any other competent authorities is not satisfactory.	Its SEIAA, Rajasthan jurisdiction.

Annexure-1

Ambient Air Quality Monitoring Report (All Values in µg/m3 except CO is in mg/m3)
Year: 2020-21 (Apr-20 to Sep-20)

S. No	Location →	Plant boundary towards CCR					Plant boundary towards Elecrical switch yard					Plant boundary towards Rain Water collection Pond				
	Month ↓	PM 2.5	PM 10	SO2	NO2	CO	PM 2.5	PM 10	SO2	NO2	CO	PM 2.5	PM 10	SO2	NO2	CO
1	Apr-20	Monitoring not done due to COVID-19														
2	May-20	28	46	7	11	BDL	30	51	9	13	BDL	26	49	7	11	BDL
3	Jun-20	23	44	6	9	BDL	29	53	8	12	BDL	28	47	6	10	BDL
4	Jul-20	25	47	7	13	BDL	31	51	8	11	BDL	28	45	6	9	BDL
5	Aug-20	27	44	8	10	BDL	29	50	7	13	BDL	27	42	7	10	BDL
6	Sep-20	27	42	8	11	BDL	30	48	9	13	BDL	25	40	7	9	BDL
Avg.		26.0	44.6	7.2	10.8	BDL	29.8	50.6	8.2	12.4	BDL	26.8	44.6	6.6	9.8	BDL

Environment Officer

Stack emission Level Monitoring Report for the period of Apr-20 to Sep-20 (All Values in µg/m3)

Sr. No.	Month & Year	Particulate Matter Emission Level from Stack attached with Bag House of Cement Mill (mg/Nm3)	Average Opacity Meter Reading (mg/Nm3)
1	Apr-20	Monitoring not done due to COVID-19	
2	May-20	12.8	14.1
3	Jun-20	13.2	11.6
4	Jul-20	14.9	13.0
5	Aug-20	16.8	17.4
6	Sep-20	14.4	13.9
Average		**14**	**14**

Environment Officer

Annexure-3

Fugitive Emission Monitoring Report from Apr-20 to Sep-20 (all value in ug/m3)

Sr.No.	Month	Raw Material Handling Unloading Area	Cement Mill Area	Packing Plant Area	Near Main Gate
01	Apr-20	Monitoring not done due to COVID-19			
02	May-20	1611	1826	1756	1586
03	Jun-20	1832	1893	1939	1416
04	Jul-20	1871	1966	2182	1682
05	Aug-20	1936	1722	2096	1479
06	Sep-20	1814	1891	2214	1656

Environment Officer

Annexure-4

Noise Level Work Zone Monitoring Report from Apr-20 to Sep-20(all value in dB (A) Leq.)

Sr.No.	Month	CCR Building Area	Logistic Building Area	Packing Plant Area	Cement Mill Area	Compressor House Area	Raw Material Unloading Area	Main Gate Area
01	Apr-20	Monitoring not done due to COVID-19						
02	May-20	49.2	55.8	58.4	71.2	69.9	70.6	51.3
03	Jun-20	49.7	52.2	58.1	71.7	68.2	70.4	52.7
04	Jul-20	48.6	55.6	59.7	70.8	69.5	69.8	51.9
05	Aug-20	49.4	53.3	58.4	71.9	68.7	67.6	51.7
06	Sep-20	49.2	51.7	58.9	71.4	68.2	69.9	50.4

Environment Officer

Environment

SHREE CEMENT LIMITED
Bangur Nagar
BEAWAR
11 AUG 2020
RECEIVED

No. TS/21 B (331)/CGWA/WR/2009-605

भारत सरकार /Govt. of India
जल शक्ति मंत्रालय / Ministry of Jal Shakti
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग / Department of Water Resources, RD & GR
केंद्रीय भूमि जल बोर्ड/ Central Ground Water Board
पश्चिमि क्षेत्र, जयपुर / Western Region, Jaipur

6-A, Jhalana Dungri, Jaipur-302004 (Raj)
Tel: 0141-2706338, Fax: 2706991
Email: rdwr-cgwb@nic.in, tswr-cgwb@nic.in

Date 30 JUL 2020

The Member Secretary,
Central Ground Water Authority,
18/11, Jamnagar House
Mansingh Road, New Delhi -110011

Subject: I st Renewal of NOC for abstraction of groundwater to the tune of 200 m^3/day in respect of M/s Shree Cement Limited for their cement grinding plant near village Asalpur, Block; Sambhar, Jaipur - reg.

Ref: 1) Renewal application received dated.18.08.2014.
2) Inspection report received from Office of the Senior Hydrogeologist, Ground Water Department, Jaipur dated 28.05.2020.

Sir,

This has reference to above said letters on the grant of I st renewal of NOC in respect of M/s Shree Cement Limited to the tune of 200 m^3/day for for their cement grinding plant near village Asalpur,Block; Sambher, Jaipur, Rajasthan. The application for renewal of NOC has been received in this office on 18.04.2014 and subsequently inspection report based on inspection done on 10.01.2020 from Office of the Suptd. Hydrogeologist, Ground Water Department, Jaipur has been received on 28.05.2020.

The recommendation along with technical notes has been received to this office are enclosed herewith. In view of the recommendation/inspection report submitted by the Authorized Officer comments are prepared in the prescribed evaluation pro-forma and enclosed herewith for your kind perusal and further necessary action at your end please.

Yours faithfully

Encl: As above

(Dr.S.K.Jain)
Regional Director

Copy to

1. District Collector, Jaipur
2. M/s Shree Cement Limited, Bangur Nagar, Beawar-305901, Rajasthan.

30/7/20

(Dr.S.K.Jain)
Regional Director

Contact : +91 - 9810243970

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. : 9711068170, 9711109427, SMS/Whatsapp No. : 9711163422, E-mail : emss@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/160/300920 **Issue Date : 05/10/2020**

Issued To : M/S SHREE CEMENT LTD. (UNIT-JAIPUR PLANT)
Near Village - Dehra-Asalpur
Tehsil - Phulera
District - Jaipur (Rajasthan)

Sample Description	: Ambient Air Quality Monitoring
Sample Drawn on	: 28/09/2020 To 29/09/2020
Sample Drawn by	: EPEPL (Mr. Rohitash Rajput)
Sample Received on	: 30/09/2020
Sampling Location	: Plant Boundary Towards CCR
Sampling Time	: 24.0 Hrs.
Sampling Plan & Procedure	: SOP-AAQ/15
Analysis Duration	: 30/09/2020 To 05/10/2020
Ambient Temperature (°C)	: 29.0
Average Flow Rate of SPM (m^3/min.)	: 1.1
Average Flow Rate of Gases (lpm)	: 1.0
Weather Conditions	: Clear
Remark (if any)	: NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per National Ambient Air Quality Standard
1	Particulate Matter (PM10)	IS: 5182 (P-23)	52.6	$\mu g/m^3$	100.0
2	Particulate Matter (PM2.5)	EKO/CHEM/SOP/AAQ-01	29.7	$\mu g/m^3$	60.0
3	Sulphur Dioxide (as SO_2)	IS: 5182 (P-2)	9.24	$\mu g/m^3$	80.0
4	Nitrogen Dioxide (as NO_2)	IS: 5182 (P-6)	11.7	$\mu g/m^3$	80.0
5	Carbon Monoxide (as CO)	IS: 5182 (P-10)	0.58	mg/m^3	4.0

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. 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
(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. : 9711559210, 9711559427, SMS/Whatsapp No. : 9711563422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/161/300920 **Issue Date : 05/10/2020**

Issued To	:	M/S SHREE CEMENT LTD. (UNIT-JAIPUR PLANT) Near Village - Dehra-Asalpur Tehsil - Phulera District - Jaipur (Rajasthan)
Sample Description	:	Ambient Air Quality Monitoring
Sample Drawn on	:	28/09/2020 To 29/09/2020
Sample Drawn by	:	EPEPL (Mr. Rohitash Rajput)
Sample Received on	:	30/09/2020
Sampling Location	:	Plant Boundary Towards Electrical Switch Yard
Sampling Time	:	24.0 Hrs.
Sampling Plan & Procedure	:	SOP-AAQ/15
Analysis Duration	:	30/09/2020 To 05/10/2020
Ambient Temperature (°C)	:	29.0
Average Flow Rate of SPM (m^3/min.)	:	1.1
Average Flow Rate of Gases (lpm)	:	1.0
Weather Conditions	:	Clear
Remark (if any)	:	NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per National Ambient Air Quality Standard
1	Particulate Matter (PM10)	IS: 5182 (P-23)	56.2	$\mu g/m^3$	100.0
2	Particulate Matter (PM2.5)	EKO/CHEM/SOP/AAQ-01	31.4	$\mu g/m^3$	60.0
3	Sulphur Dioxide (as SO_2)	IS: 5182 (P-2)	10.5	$\mu g/m^3$	80.0
4	Nitrogen Dioxide (as NO_2)	IS: 5182 (P-6)	16.3	$\mu g/m^3$	80.0
5	Carbon Monoxide (as CO)	IS: 5182 (P-10)	0.57	mg/m^3	4.0

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. 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
(Authorised Signatory)

EKO PRO

Contact : +91 - 9810243870

EKO PRO ENGINEERS PVT. LTD.

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

Office & Laboratory : 3241, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009 (Delhi-NCR) INDIA.
Contact No. : 9711153210, 9711153427, SMS/Whatsapp No. : 9711153422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Ambient Air Quality Monitoring

Test Report No. : EKO/162/300820 **Issue Date : 05/10/2020**

Issued To : M/S SHREE CEMENT LTD. (UNIT-JAIPUR PLANT)
Near Village - Dehra-Asalpur
Tehsil - Phulera
District - Jaipur (Rajasthan)

Sample Description	:	Ambient Air Quality Monitoring
Sample Drawn on	:	28/09/2020 To 29/09/2020
Sample Drawn by	:	EPEPL (Mr. Rohitash Rajput)
Sample Received on	:	30/09/2020
Sampling Location	:	Plant Boundary Towards Rain Water Collection Pond
Sampling Time	:	24.0 Hrs.
Sampling Plan & Procedure	:	SOP-AAQ/15
Analysis Duration	:	30/09/2020 To 05/10/2020
Ambient Temperature (°C)	:	29.0
Average Flow Rate of SPM (m^3/min.)	:	1.1
Average Flow Rate of Gases (lpm)	:	1.0
Weather Conditions	:	Clear
Remark (if any)	:	NA

RESULTS

S. No.	Parameters	Test Methods	Results	Units	Limits as per National Ambient Air Quality Standard
1	Particulate Matter (PM10)	IS: 5182 (P-23)	49.8	$\mu g/m^3$	100.0
2	Particulate Matter (PM2.5)	EKO/CHEM/SOP/AAQ-01	27.5	$\mu g/m^3$	60.0
3	Sulphur Dioxide (as SO_2)	IS: 5182 (P-2)	9.4	$\mu g/m^3$	80.0
4	Nitrogen Dioxide (as NO_2)	IS: 5182 (P-6)	15.3	$\mu g/m^3$	80.0
5	Carbon Monoxide (as CO)	IS: 5182 (P-10)	0.56	mg/m^3	4.0

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. 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
(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. : 9711158210, 9711189427, SMS/Whatsapp No. 9711163422, E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

TEST REPORT

Stack Emission Analysis

Test Report No. : EKO/163/300920 **Issue Date : 05/10/2020**

Issued To	:	M/s SHREE CEMENT LTD. (UNIT-JAIPUR PLANT) Near Village - Dehra-Asalpur Tehsil - Phulera District - Jaipur (Rajasthan)
Sample Description	:	Stack Emission of Cement Mill
Sample Drawn on	:	29/09/2020
Sample Drawn by	:	EPEPL (Mr. Rohitash Rajput)
Sample Received on	:	30/09/2020
Time of Sampling (minutes)	:	30.0
Sampling Plan & Procedure	:	SOP-SE/09
Analysis Duration	:	30/09/2020 To 05/10/2020
Source of Emission	:	Stack Attached To Cement Grinding Mill
Capacity	:	-
Operating Load	:	Normal
Normal Operation Schedule	:	As per requirement
Type of Stack	:	Metal/Circular
Diameter of Stack (meter)	:	2.0
Height of Stack from Ground Level (meter)	:	55.0
Height of Stack from Roof Level (meter)	:	-
Height of Sampling Location (meter)	:	42.8 from Ground level
Type of Fuel Used	:	-
Fuel Consumed per hour	:	-
Ambient Temperature (°C)	:	30.0
Stack Temperature (°C)	:	72.0
Absolute Pressure (mmh_2o)	:	4.2
Average Velocity of Flu Emission (m/sec)	:	6.24
Average Flow Rate (lpm)	:	20.6
Control Measures (if any)	:	Bag Filter
Remark (if any)	:	NA

RESULT

S.No.	Parameter	Test Method	Result	Result (CEMS)	Unit	Specification
1	Particulate Matter (as PM)	IS: 11255 (P-1)	13.9	-	mg/Nm^3	30.0

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 samples will be disposed off after 15 days from the date of issue of test report, unless until specified by the customer.
4. Responsibility of the Laboratory is limited to the invoiced amount only.

** End of Report **

For EKO PRO ENGINEERS PVT. LTD.

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