



Cemtac Cements Pvt. Ltd.

Corporate Office

RCC Plaza

Nowgam Bye-Pass, Srinagar, Kashmir - 190015

Phone No: 9596899237, 9596754408

info@cemtac.com

Manufacturing Unit

Sulnar Saturnmarg, Khrew

Pulwama, Kashmir 191103

works@cemtac.com

**The
Director (s)
Northern Regional Office,
Ministry of Environment & Forest,
Bays No: 24-25, Sector 31-A
Daksin-Marg, Chandigarh-160030.**

**Subject: Submission of Compliance of Environment Clearance for Cemtac Cements Pvt. Ltd. at
Village Sulnar Saturnmarg Khrew District Pulwama J& K.**

Reference: Environment Clearance Letter No J-11011/226/2012-1A-II(I) Dated 19.05.2016.

Sir,

As per above mentioned subject we are sending the half yearly environment compliance report for the period October 2019 to March 2020.

Thank You

Yours faithfully,

For M/S Cemtac Cements Pvt. Ltd.

Enclosures.

<u>Item</u>	<u>leaves</u>
Compliance Report	1 to 26
Annexure No-1 (Ambient Air Quality Report)	3 leaves
Annexure No-2 (Stack Emission Report)	6 leaves
Annexure No-3 (Noise Monitoring Report)	2 leaves
Annexure No-4 Ground Water Sample	1 leaves
Annexure No-5 (Environment & Social Expenditure)	1 leaves

Soft copy of compliance report in CD

Copy to:

1. Incharge, CPCB Zonal Office (North) PICUP Bhawan, Vibhuti, Gomit Nagar Lucknow-226010.
2. The Regional Director State Pollution Control Board Srinagar for information please.



Environmental & Social Expenditure from October 2019 to March
2020.

Environment Expenditure

- | | |
|--|---------------|
| 1. Expenditure on General development of roads: | Rs. 95,000 |
| 2. Water spraying system for dust suppression. | Rs. 1,80,000 |
| 3. Cost of replacements used in pollution control equipment's: | Rs. 1,13,000 |
| 4. Power consumption in running the pollution equipments: | Rs. 39,00,000 |
| 5. Plantation and development of Green belt: | Rs. 45,000 |
| 6. Maintenance of online monitoring system: | Rs. 1,10,000 |

Social Expenditure.

- | | |
|---|--------------|
| 5. Cement to local welfare on concessional rate | Rs. 3,55,000 |
| 6. Cash incentives to local welfare for water, roads, hospital and education: | Rs. 1,31,000 |

Environment Consultancy fee.

Rs. 60,000

Total

=

Rs. 49,89,000

Cemtac Cements Pvt Ltd.


Riyaz Ahmad

Managing Director

Environment Compliance Report of M/s. CEMENTAC CEMENTS PVT. LTD.

1

Cement Project

Location of the Project : Near Village, Sulnar Saturnmarg Khrew

District : Pulwama J&K

Production Capacity : 1,80,000 TPA Cement

Environment Clearance Letter No. – F.No. J-11011/226/2012-IA, II (I)

Dated 19.05.2016

Address of Correspondence : RCC- Plaza Nowgam Bypass Srinagar

Compliance Period: 1st October 2019 to 30 March 2020

- i. Prior clearance from the Standing Committee of the National Board for Wildlife shall be obtained due to location of the plant within 10 km radius from Dachigam National Park (as prior clearance of NBWL is required for a project if it is located in 10 km of a Protected Area/Sanctuary or Eco Sensitive Zone as per the Hon'ble Supreme Court order dated 4.12.2006 in W.P. 460/2004), before commencing any activity relating to the project at site. All the conditions stipulated by the Standing Committee shall be effectively implemented in the project. It shall be noted that this clearance does not necessarily implies that wildlife clearance shall be granted to the project and that your proposal for wildlife clearance shall be considered by the competent authorities on its merit and decision taken. The investment made in the project if any based on environmental clearance granted to the project, in anticipation of the clearance from wildlife shall be entirely at the cost and risk of the project proponent and Ministry of Environment, Forest and Climate Change shall not be responsible in this regard, in any manner.
- Noted and being complied.

- ii. The project proponent should install 24x7 air monitoring devices to monitor air emission, as provided by CPCB and submit report to Ministry and its Regional Office. Emission for particulate matter should be restricted to 30 mg/m³.
- The 24x7 online monitoring system is already installed in the plant as per the CPCB norms, the online monitoring reports are annexed with the report.

- iii The expansion project shall comply with the new MOEF&CC Standards notified vide GSR 612 (F) dated 25.08.2014 with respect to Cement sector. Complied and adequate measures shall be taken to follow the standards.

- iv. All the pollution control devices/equipment in the grinding unit shall be interlocked so that in the event of the pollution control devices./systems not working the respective units(s) shut down automatically. Complied



Fig.-1.1 VSK Wet Scrubber System



Fig.-1.2 VSK Wet Scrubber System

- v. Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored Guidelines/Code of Practice issued by the CPCB in this regard shall be followed. Utmost care is taken, and Water is regularly sprinkled at fugitive emission sources.

- vi. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored. The roads used for the vehicular movement are mac-madised with regular water sprinkling to reduce the impact on the environment. The vehicles emissions are regularly monitored.



Fig.-1.3 Plantation along the road



Fig.-1.4 Plantation along the road



Fig.-1.5 Plantation behind the plant



Fig.-1.6 Agro forestry towards North-East of plant


- 
- vii. All the treated wastewater shall be recycled and reused in the process and/or for 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 should be adopted. There is no such waste water generated in the plant.
- viii. Storage of material should be in covered area. All the storage facilities for the raw material etc. have been covered.



Fig.-1.7 Covered Cement mill and Silo



Fig.-1.8 Dust collectors attached to Clinker crusher



Fig.-1.9 Dust collectors installed



Fig.-1.10 Dust Collector attached to Crusher

- ix.** Rain water harvesting plan shall be prepared and shall supplement the water requirements of the project.

Proper drainage system has been constructed and is connected with the gravel type filtration sump and the water treated is being utilized in dust suppression and plantation.
- x.** Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the State Pollution Control Board of described under the Environment (Protection) Act, 1986 whichever are more stringent.

The monitoring of the water is regularly performed and as the cement manufacturing process is dry, so no waste water is generated.

- xi. Green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.

Green Belt development has been done around the plant, along the roads and near the storage of raw material to trap the dust. The boundary around the plant has been developed as green-belt area.
- xii. All the made to the public during the Public Hearing/Public Consultation meeting shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office.

Agreed but some commitments shall be finalised during the expansion plan of the plant.



Fig.-1.11 Green belt development



Fig.-1.12 Plantation along the road



Fig.-1.13 Drainage system for Rain water collection



Fig.-1.14 Plantation near the quarters

- xiii. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Chandigarh, the proponent shall prepare a detailed ESC Plan for every 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 ESC 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 averaged net profits of previous 3 years towards ESC 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, Chandigarh. The details of the ESC Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company
- The ESC budget has been prepared and separate account is being maintained. The other commitments shall be addressed at the time of expansion of the plant.
- xiv. 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.
- Separate labour quarters are provided with all the safety and hygienic facilities.

GENERAL CONDITIONS:

The project authorities must strictly adhere to the stipulations made by the Jammu & Kashmir Pollution Control Board and the State Government.

Agreed and the Consent to Operate from SPCB has been obtained.

Consent No.:- PCB/digital/2006999063 of 2020

Dated:- 18/02/2020 & Consent No.:- PCB/digital/20061328183 of 2020

Dated:- 18/02/2020

- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment Forest and Climate Change (MoEFCC). Accepted

- 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 PM10, PM2.5, SO2 and NOx 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 Chandigarh and the SPCB/CPCB once in six months.

The quarterly reports as per the EIA report are submitted regularly to Authorities. The monitoring is done through the third party NABL accredited laboratory.
- iv. Industrial wastewater shall be properly collected treated so as to conform to the standards prescribed under GSR (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.

No industrial waste water is generated.

- v. The overall noise levels in and around the plant area shall be kept well within the standards (85-8BA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz 75 dBA (day time) and 70 dBA (night time).

The noise levels are in control and the reports are annexed. All the safety gears for the reduction of noise are provided.

- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

Medical facility has been provided at the plant and regular health check-up is performed for the workers.

- 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. The drainage system has been constructed to help in recharging of the ground water.
- 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 village like community development programs, educational programs, drinking water supply and health care etc. The environmental protection measures & safeguards as envisaged in the EIA /EMP such as Green Belt development, Installation of Pollution Control Equipment, Rain water harvesting are compiled as per the EIA/EMP 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 (MoEFCC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Officer of the Ministry at Chandigarh. The funds so neither provided shall nor be diverted for any other purpose. Agreed and further implementations shall be done at the time of expansion.
- 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. The same has been provided to the local unions and Auqaf members with the copy advertised in newspaper.

- xi. 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 MOEFCC at Chandigarh “The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx (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.

Monitoring of Ambient Air quality data is being submitted to Regional Office at Lucknow zonal office of CPCB and J&K state Pollution Control Board. Ambient Air Monitoring Reports is annexed.
- xii. 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 MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh/ CPCB/SPCB shall monitor the stipulated conditions.

Six monthly reports along with the monitored data are regularly sent to the concerned authorities

- | | | |
|-------|---|---|
| xiii. | The environmental statement for each financial year ending 31st March I 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 environment conditions and shall also be sent to the respective Regional Office of the MOEFCC at Chandigarh by e-mail. | Agreed |
| xiv. | The 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 Website of the Ministry of Environment, Forests and Climate Change (MoEFCC) at http://envfor.nic.in . This shall 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 should be forwarded to the Regional office at Chandigarh. | The public is already informed about EC granted to the project as the letters were sent to the local Auqaf bodies and welfare unions, further we have advertised in local newspapers. |

- xv. Project authorities shall inform the Regional Office as well as the Agreed 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.



Fig.-1.15 Clinker Storage sheds



Fig.-1.16 Covered Cement silos



Fig.-1.17 Adequate pollution control measures



Fig.-1.18 Covered Raw mill crusher

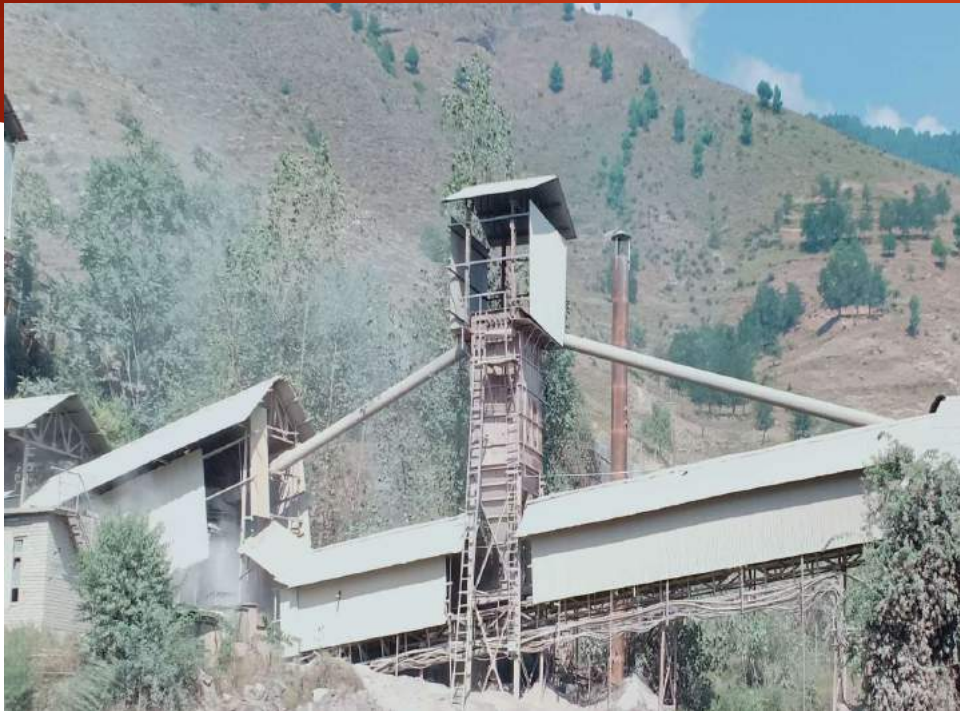


Fig.-1.19 Adequate pollution control measures near crusher

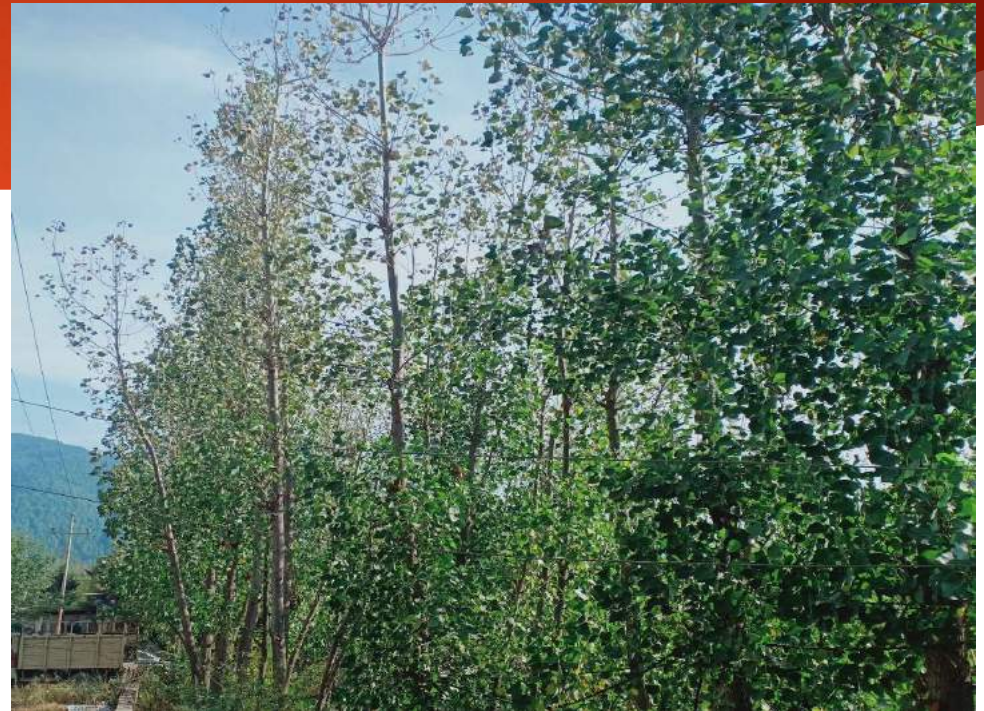


Fig.-1.20 Green belt development



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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



ISO 9001/14001/45001

TEST REPORT

TEST REPORT NO : ETS/1145-50/1/2020

DATE OF REPORT: 20.01.2020

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENTAC CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date of Monitoring : 13.01.2020

Analysis Start Date : 16.01.2020

Analysis End Date : 20.01.2020

Duration Of Monitoring : 13.01.2020 To 14.01.2020

Time Of Monitoring : 10:45 AM To 10:40 AM

Sample ID No : 1145-50

Sampling Done By : ETS STAFF

Sampling Location : VILLAGE ZANTRAG

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL

Weather Condition : CLEAR Ambient Temperature: 7.0 °C

Wind Direction : E To W

Equipment Used : Respirable Dust Sampler (PM₁₀) + Fine Particulate Sampler (PM_{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters, (PM ₁₀)	µg/m ³	56.8	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters, (PM _{2.5})	µg/m ³	27.2	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	5.5	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide, (NO ₂)	µg/m ³	8.3	For 24 Hrs.=80	IS: 5182 (Partt-6)

*****End of Test Report*****

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For Enviro-Tech Services

Md Humraj
Quality Manager
AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-01, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

1. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.
2. The samples received shall be destroyed after 15 days from the date of test report issued.
3. The results indicated only refer to the tested samples and listed applicable parameters.
4. Our liability is limited to invoice value only.
5. Head Office : G-232, M.G. Road Industrial Area, Hapur-Ghaziabad (U.P.) 201015



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TEST REPORT

TEST REPORT NO : ETS/1145-51/1/2020

DATE OF REPORT: 20.01.2020

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENT CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date of Monitoring : 13.01.2020

Analysis Start Date : 16.01.2020

Analysis End Date : 20.01.2020

Duration Of Monitoring : 13.01.2020 To 14.01.2020

Time Of Monitoring : 10:25 AM To 10:20 AM

Sample ID No : 1145-51

Sampling Done By : ETS STAFF

Sampling Location : VILLAGE GUJJAR BASTI

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL

Weather Condition : CLEAR Ambient Temperature: 7.0 °C

Wind Direction : E To W

Equipment Used : Respirable Dust Sampler (PM₁₀) + Fine Particulate Sampler (PM_{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM ₁₀)	µg/m ³	52.4	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters,(PM _{2.5})	µg/m ³	23.7	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	6.2	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO ₂)	µg/m ³	9.2	For 24 Hrs.=80	IS: 5182 (Partt-6)

*****End of Test Report*****

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TEST REPORT

TEST REPORT NO : ETS/1145-52/1/2020

DATE OF REPORT: 20.01.2020

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENT CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date of Monitoring : 13.01.2020

Analysis Start Date : 16.01.2020

Analysis End Date : 20.01.2020

Duration Of Monitoring : 13.01.2020 To 14.01.2020

Time Of Monitoring : 10:55 AM To 10:50 AM

Sample ID No : 1145-52

Sampling Done By : ETS STAFF

Sampling Location : VILLAGE SATHPOKHRAN

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL

Weather Condition : CLEAR Ambient Temperature: 8.0 °C

Wind Direction : E To W

Equipment Used : Respirable Dust Sampler (PM₁₀) + Fine Particulate Sampler (PM_{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM ₁₀)	µg/m ³	55.9	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters,(PM _{2.5})	µg/m ³	24.1	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	5.8	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO ₂)	µg/m ³	8.8	For 24 Hrs.=80	IS: 5182 (Partt-6)

*****End of Test Report*****

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TEST REPORT

TEST REPORT NO : ETS/1145-53/1/2020

DATE OF REPORT : 20.01.2020

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENT CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date Of Sampling : 13.01.2020
Analysis Start Date : 16.01.2020
Analysis End Date : 20.01.2020
Duration Of Sampling : 60.0 MIN
Sample ID No. : 1145-53
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : VERTICAL SHAFT KILN
Capacity Of Stack :
Quantity Of Fuel Used : 100.0 TPD
Type Of Fuel Used : PET COKE
Stack Height Above Ground : 30.0 MTR.
Stack Dia At The Top : 350 MM
Material Of Construction : MS
Attached APCS : CYCLONE + WET SCRUBBER
Normal Operating Schedule : NORMAL
Ambient Temperature : 8.0°C
Flue Gas Temperature : 85.0°C
Velocity Of Flue Gases : 12.3MTR./SEC.

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	29.5	50	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	13.9	200	IS-11255 (Part-2)
3	Nitrogen Dioxide,(NO ₂)	mg/Nm ³	19.4	500	IS-11255 (Part-7)

*****End of Test Report*****

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ISO 9001/14001/45001

TEST REPORT

TEST REPORT NO : ETS/1145-54/1/2020

DATE OF REPORT: 20.01.2020

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENT CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date Of Sampling : 13.01.2020
Analysis Start Date : 16.01.2020
Analysis End Date : 20.01.2020
Duration Of Sampling : 60.0 MIN
Sample ID No. : 1145-54
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : VERTICAL SHAFT KILN
Capacity Of Stack :
Quantity Of Fuel Used : 100.0 TPD
Type Of Fuel Used : PET COKE
Stack Height Above Ground : 30.0 MTR.
Stack Dia At The Top : 350 MM
Material Of Construction : MS
Attached APCS : CYCLONE + WET SCRUBBER
Normal Operating Schedule : NORMAL
Ambient Temperature : 8.0°C
Flue Gas Temperature : 92.0°C
Velocity Of Flue Gases : 11.8 MTR./SEC.

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	30.3	50	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	14.1	200	IS-11255 (Part-2)
3	Nitrogen Dioxide,(NO ₂)	mg/Nm ³	19.5	500	IS-11255 (Part-7)

*****End of Test Report*****



FOR ENVIRO-TECH SERVICES

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Quality Manager
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TEST REPORT

TEST REPORT NO : ETS/1145-55/1/2020

DATE OF REPORT: 20.01.2020

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENT CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date Of Sampling : 13.01.2020
Analysis Start Date : 16.01.2020
Analysis End Date : 20.01.2020
Duration Of Sampling : 60.0 MIN
Sample ID No. : 1145-55
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : VERTICAL SHAFT KILN
Capacity Of Stack :
Quantity Of Fuel Used : 100.0 TPD
Type Of Fuel Used : PET COKE
Stack Height Above Ground : 30.0 MTR.
Stack Dia At The Top : 350 MM
Material Of Construction : MS
Attached APCS : CYCLONE + WET SCRUBBER
Normal Operating Schedule : NORMAL
Ambient Temperature : 8.0°C
Flue Gas Temperature : 85.0°C
Velocity Of Flue Gases : 13.5 MTR./SEC.

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	29.7	50	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	14.4	200	IS-11255 (Part-2)
3	Nitrogen Dioxide,(NO ₂)	mg/Nm ³	20.3	500	IS-11255 (Part-7)

*****End of Test Report*****

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TEST REPORT

TEST REPORT NO : ETS/1145-56/1/2020

DATE OF REPORT: 20.01.2020

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENT CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date Of Sampling : 13.01.2020
Analysis Start Date : 16.01.2020
Analysis End Date : 20.01.2020
Duration Of Sampling : 60.0 MIN
Sample ID No. : 1145-56
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : VERTICAL SHAFT KILN
Capacity Of Stack :
Quantity Of Fuel Used : 100.0 TPD
Type Of Fuel Used : PET COKE
Stack Height Above Ground : 30.0 MTR.
Stack Dia At The Top : 350 MM
Material Of Construction : MS
Attached APCS : CYCLONE + WET SCRUBBER
Normal Operating Schedule : NORMAL
Ambient Temperature : 8.0°C
Flue Gas Temperature : 79.0°C
Velocity Of Flue Gases : 14.5 MTR./SEC.

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	27.4	50	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	14.7	200	IS-11255 (Part-2)
3	Nitrogen Dioxide,(NO ₂)	mg/Nm ³	20.3	500	IS-11255 (Part-7)

*****End of Test Report*****

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TEST REPORT

TEST REPORT NO : ETS/1145-57/1/2020

DATE OF REPORT: 20.01.2020

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENTAC CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date Of Sampling : 13.01.2020
Analysis Start Date : 16.01.2020
Analysis End Date : 20.01.2020
Duration Of Sampling : 60.0 MIN
Sample ID No. : 1145-57
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : VERTICAL SHAFT KILN
Capacity Of Stack :
Quantity Of Fuel Used : 65.0 TPD
Type Of Fuel Used : PET COKE
Stack Height Above Ground : 25.0 MTR.
Stack Dia At The Top : 350
Material Of Construction : MS
Attached APCS : CYCLONE + WET SCRUBBER
Normal Operating Schedule : NORMAL
Ambient Temperature : 8.0°C
Flue Gas Temperature : 87.0°C
Velocity Of Flue Gases : 13.8 MTR./SEC.

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	26.5	50	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	14.1	200	IS-11255 (Part-2)
3	Nitrogen Dioxide,(NO ₂)	mg/Nm ³	19.3	500	IS-11255 (Part-7)

*****End of Test Report*****

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TEST REPORT

TEST REPORT NO : ETS/1145-58/1/2020

DATE OF REPORT: 20.01.2020

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : CEMENT CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date Of Sampling : 13.01.2020
Analysis Start Date : 16.01.2020
Analysis End Date : 20.01.2020
Duration Of Sampling : 60.0 MIN
Sample ID No. : 1145-58
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : VERTICAL SHAFT KILN
Capacity Of Stack :
Quantity Of Fuel Used : 35.0 TPD
Type Of Fuel Used : PET COKE
Stack Height Above Ground : 20.0 MTR.
Stack Dia At The Top : 350 MM
Material Of Construction : MS
Attached APCS : CYCLONE + WET SCRUBBER
Normal Operating Schedule : NORMAL
Ambient Temperature : 8.0°C
Flue Gas Temperature : 89.5.0°C
Velocity Of Flue Gases : 12.5 MTR./SEC.

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	25.8	50	IS-11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	13.4	200	IS-11255 (Part-2)
3	Nitrogen Dioxide,(NO ₂)	mg/Nm ³	19.8	500	IS-11255 (Part-7)

*****End of Test Report*****



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TEST REPORT

TEST REPORT NO : ETS/1145-59/1/2020

DATE OF REPORT : 20.01.2020

NOISE MONITORING REPORT

Name And Address of Customer : CEMTAC CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date of Monitoring : 13.01.2020
Monitoring Start Date : 13.01.2020
Monitoring End Date : 14.01.2020
Duration Of Monitoring : 24 HOURS
Sample ID No : 1145-59
Monitoring Done By : ETS STAFF
Sampling Location : NEAR MAIN GATE
Sampling Method : ETS/STP/NOISE-01
Category Of Area : INDUSTRIAL AREA

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Day Time Noise Level	Leq :dB (A)	68.9	75	IS: 9989
2	Night Time Noise Level	Leq :dB (A)	60.4	70	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

*****End of Test Report*****

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TEST REPORT

TEST REPORT NO : ETS/1145-60/1/2020

DATE OF REPORT: 20.01.2020

NOISE MONITORING REPORT

Name And Address of Customer : CEMENTAC CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date of Monitoring : 13.01.2020
Monitoring Start Date : 13.01.2020
Monitoring End Date : 14.01.2020
Duration Of Monitoring : 24 HOURS
Sample ID No : 1145-60
Monitoring Done By : ETS STAFF
Sampling Location : NEAR OFFICE SIDE
Sampling Method : ETS/STP/NOISE-01
Category Of Area : INDUSTRIAL AREA

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Day Time Noise Level	Leq :dB (A)	64.6	75	IS: 9989
2	Night Time Noise Level	Leq :dB (A)	57.7	70	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

*****End of Test Report*****

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TEST REPORT

TEST REPORT NO : ETS/1145-61/1/2020

DATE OF REPORT: 20.01.2020

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : CEMENTAC CEMENTS PVT. LTD.,
SULNAR SATURMARG KHREW,
DISTT. PULWAMA J&K

Date of Sampling : 13.01.2020
Analysis Start Date : 16.01.2020
Analysis End Date : 20.01.2020
Sample ID No : 1145-61
Sampling Done By : ETS STAFF
Sampling Description : GROUND WATER
Sampling Location : NEAR PROJECT SITE
Sampling Method : ETS/STP/WATER-02
Sample Quantity : 2.0 + 0.5 Ltr.
Packing Condition : SEALED
Packed In : P.V.C. AND GLASS BOTTLE

S. N o.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
1	Colour	Hazen	< 5.0	5	15	APHA 2120-B
2	Odour	...	Agreeable	Agreeable	Agreeable	APHA 2150-B
3	Taste	...	Agreeable	Agreeable	Agreeable	APHA 2160-C
4	pH	...	7.56	6.5 - 8.5	No Relaxation	APHA 4500-H+
5	Turbidity	NTU	<1.0	1	5	APHA 2130-B
6	Total Dissolved Solids,(TDS)	mg/L	563.1	500	2000	APHA 2540-C
7	Iron,(Fe)	mg/L	0.05	0.3	No Relaxation	APHA-3120B
8	Chlorine (Residual)	mg/L	<0.02	0.2	1	APHA 4500:(Cl)-B
9	Calcium,(Ca)	mg/L	64.4	75	200	APHA 3500:(Ca)-B
10	Chloride,(Cl)	mg/L	64.4	250	1000	APHA 4500:(Cl)-B
11	Sulphate,(SO ₄)	mg/L	23.8	200	400	APHA 4500:(SO ₄)-E
12	Total Hardness,(CaCO ₃)	mg/L	305.0	200	600	APHA 2340-C
13	Total Alkalinity,(CaCO ₃)	mg/L	184.0	200	600	APHA 2320-B
14	Aluminium,(Al)	mg/L	<0.01	0.03	0.2	APHA-3120B
15	Biological Oxygen Demand(BOD ₃₀ 27°C)	mg/L	1.7	Not Specified	Not Specified	IS 3025 (Part-44)
16	Chemical Oxygen Demand,(COD)	mg/L	5.0	Not Specified	Not Specified	APHA 5220-C

*****End of Test Report*****

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