

Six-Monthly Environmental Compliance Report

EC F.No.J-11011/461/2011 - IA II (I) Dated. 10th October,2012

For the Period
July, 2020 to December, 2020

Of

Birla Corporation Limited, Unit- Satna Cement Works
P.O: Birla Vikas, Satna (M.P.) – 484005

Submitted to:
Ministry of Environment, Forest & Climate Change
(MoEF&CC)

December, 2020

29.12.2020

To,
Dy. Director General Forest (Central)
Regional Office, Western Region,
Kendriya Paryavaran Bhavan,
Link Road No. 3, E/5, Ravishankar Nagar,
Bhopal – 462016(M.P.)

Sub: Compliance of Environmental Clearance conditions given by MoEF in respect of our Cement Expansion Project

Ref: EC letter no. J-11011/461/2011-IA-II (I) dated 10/10/2012

Dear Sir,

With reference to aforesaid EC letter, we are furnishing below the point wise compliance status for the period **01.07.2020 to 31.12.2020 (July to December, 2020)** for your kind information:-

Sr. No.	Particulars	Point wise Reply
A. Specific Conditions		
i.	Particulate matter emission shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system viz. Bag filters and stacks of adequate height etc. Data on ambient air, fugitive and stack emissions shall be submitted to the Ministry's Regional Office at Bhopal, SPCB and CPCB regularly.	<p>Being followed.</p> <p>Bag house for Kiln-raw mills, Coal Mills, Cement Mills, Bag filters for packers and ESPs for Clinker cooler are provided. The stacks heights are as per MOEF&CC Guidelines. CEMS system is provided to stacks of Kiln-Raw Mills, Coal Mills, Cement Mills and Clinker Cooler and CEMS data is transmitted to CPCB as well as MPPCB website.</p> <p>The emission from above mentioned stacks is below 30 mg/Nm³. Four Online Continuous Ambient Air Quality Monitoring stations are installed and online data of the same is connected with CPCB and MPPCB website.</p> <p>Copy of stack emission and AAQM</p>

		<p>data is provided to MOEF&CC, CPCB and MPPCB through six monthly compliance reports regularly.</p> <p>Report on Stack emission and AAQM is enclosed as <u>Annexure – 1</u>.</p>
ii.	The National Ambient Air Quality Standards issued by the ministry vide G.S.R. No.826 (E) dated 16 th November, 2009 should be followed.	<p>Being followed.</p> <p>We are following standards of National Ambient Air Quality. AAQ reports are enclosed as <u>Annexure – 1</u>.</p>
iii.	Gaseous emission levels including fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the ministry and regularly monitored. Guidelines/code of practice issued by the CPCB should be followed.	<p>Being followed.</p> <p>In the existing cement plant, all the stacks are equipped with high efficiency pollution control equipment. The SNCR system is installed for controlling NOx emissions from Kiln-Raw mill stacks. CEMS system is provide for continuous monitoring of gaseous emissions from said stacks. The online data connectivity of CEMS to CPCPB/MPPCB website is also done. Fugitive emissions are controlled at source itself by installing dedusting filters at transfer points, all conveyors are covered, all raw material is stored in closed shed. Internal roads are concreted and thick green belt is developed along the roads.</p> <p>The gaseous emissions and fugitive emissions are well within the stipulated standards.</p>
iv.	The company shall install adequate dust collection and extraction system to control fugitive dust emission at various transfer points,	<p>Being followed.</p> <p>For the existing plant, Closed</p>

	<p>raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw material stock piles should be covered. A closed clinker stock pile system shall be provided.</p> <p>All conveyers should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides cement. Fly ash and Clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.</p>	<p>storages / silos for clinker, Fly ash, Gypsum and Cement are being used.</p> <p>Bag filters / Cassette filters have been installed at all material transfer points. Fly ash is transported pneumatically and stored in closed silos. All conveyors are fully covered with GI sheets and BDC's / P.F. are provided at all transfer points.</p>
v.	<p>Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul roads, loading and unloading points, transfer points and other vulnerable areas. It shall be insured that the ambient air quality parameters conforms to the norms prescribed by the Central Pollution Control Board in this regard.</p>	<p>Being followed.</p> <p>All the roads within the plant premises are made cemented & provided regular water spray on the roads.</p> <p>Water spray arrangement on raw materials at identified locations like Limestone, gypsum, coal & laterite are done regularly. A thick green belt is developed along the roads. Vehicle speed is limited to 20 Km/Hr inside the plant premises to minimize fugitive emissions.</p> <p>Extreme care is being given for housekeeping. Always ensure that the fugitive emission is within the prescribed limits.</p>
vi.	<p>Measures shall be undertaken 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 should not be over loaded. Vehicular emissions should be regularly monitored.</p>	<p>The major raw material for cement manufacturing is Lime stone which is transported through belt conveyor from our captive lime stone mines to cement plant. The conveyor is fully covered and provided with bag filters/pocket filters at transfer points. Other raw materials/Products are mainly transported through rail and to few extents by road in covered vehicle.</p>

		<p>Our unit have better rail and road connectivity with all major cities in MP State.</p> <p>Fly ash is transported in closed tanker and stored in closed silos pneumatically.</p> <p>Vehicular emissions are monitored on regular basis Reports enclosed as Annexure-2. No vehicle is over loaded for transportation of raw materials or products. Optimum speed of the vehicle is maintained within the plant premises.</p>
vii.	<p>Total ground water requirement for the cement plant shall not exceed 576 m³/day and necessary permission for the drawl shall be obtained. All the treated waste water should be recycled and reused in the process and / or for dust suppression and green belt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and zero discharge should be adopted.</p>	<p>Zero discharge is being adopted. No industrial waste water is generated. The waste water generated from domestic uses is treated in Sewage Treatment Plant and reused for plantation in plant and colony premises.</p> <p>Water requirement is fulfilled from our rain water mines reservoir. No ground water withdrawal is done however, if required necessary permissions shall be obtained for extraction of ground water.</p>
viii.	<p>Efforts shall be made to make use of 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>	<p>Being followed.</p> <p>For the rain water harvesting, we have 03 ponds in our plant of water storage capacity – 3.74 lacs KL and in Mines we have two rain water reservoir of capacity – 32.0 lacs KL.</p> <p>Total water requirement for the existing plant after expansion are fulfilled from our rain water reservoirs.</p> <p>Photographs of Rain water harvesting ponds are enclosed as</p>

		<u>Annexure 3</u>
iv.	All the bag filter dust, raw meal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Used oil should be sold to authorize recyclers/re processors only.	<p>Being followed.</p> <p>All the dust from bag filters, Bag House or ESP is recycled to the process and reused at appropriate stage.</p> <p>Used oil is sold to the authorized recyclers only having valid authorization from CPCB/MPPCB and annual returns are filed accordingly.</p>
x.	Green belt shall be developed in at least 33% area in around the cement plant as per the CPCB guidelines to mitigate the efforts of air emissions in consultations with local DFO.	<p>Being followed.</p> <p>Out of the total plant area (499.87 Acres), 33.21% (166 Acres) area has been developed under green belt/ plantation. Additional 4% (20 Acres) is being developed under green belt / plantation in future.</p> <p>Local plant species are given preference in plantation. The saplings are parched from District Forest Office and suggestions from DFO are implemented for plantation activities</p>
xi.	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	<p>Being followed</p> <p>5% of the total cost of expansion project i.e. Rs.6.75 crores has been earmarked for Enterprise Social Commitment.</p> <p>Time bound action plan for implementation of CSR initiatives is followed. Details of the CSR expenses for the year 2019-20 is enclosed as <u>Annexure-4</u></p>
xii.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as	Temporary housing with necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe

	fuel for cooking, mobile, toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	drinking water, medical health care, crèche etc. were provided during construction work. Project expansion work has been completed. Now we have removed all the temporary structures.
B. General conditions		
i.	The project authorities must strictly adhere to the stipulations made by the Madhya Pradesh Pollution Control Board and the State Government.	Being followed. All conditions stipulated in consent issued by Madhya Pradesh Pollution Control Board are being followed.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forest.	Noted. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and climate Change.
iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	We are following the guidelines / norms laid down by the M.P. Pollution Control Board time to time and assure that the emissions (Dust and gaseous) are within the stipulated standards of MPPCB. Continuous emission Monitoring System (CEMS) is provided to all process and major stacks and online data connectivity with CPCB/MPPCB server is also done.
iv.	At least four ambient air quality monitoring stations should be established in the down ward direction as well as where maximum ground level concentration of PM10, 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 Bhopal and the SPCB/	Being followed. As per NAAQ guidelines, Ambient Air Quality is being monitored at four locations of one is in downwind direction. We have also installed two continuous ambient Air Quality Monitoring Stations and online data connectivity is established with

	CPCB once in six months.	CPCB/MPPCB website. The Ambient Air Quality Monitoring and Stack emission data are enclosed as Annexure – 1 .
v.	Industrial waste water 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 from time to time. The treated waste water shall be utilized for plantation purpose.	Being followed. Zero industrial discharge adopted. There is no generation of effluent from Cement manufacturing process. The domestic waste water is treated through Sewage treatment Plant and treated water is used for green belt development in plant and colony. There is no discharge of untreated waste water outside the company premises.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz 75 dBA (daytime) and 70 dBA (night time).	Being followed. In the existing cement plant, following measures is already adopted: <ul style="list-style-type: none"> ➤ Proper encasement of noise generating sources is done to control the noise level below 75 dB(A). ➤ Machine are housed in building & provided with acoustic enclosures. ➤ Silencers and mufflers of the individual machines are being regularly checked. ➤ Noise attenuating devices like ear plug and ear muffs are providing to the workers in the area where required. ➤ Thick green belt is developed all along the internal roads and boundary wall. ➤ Regular monitoring of noise level is being done. ➤ Report on Ambient Noise levels and workplace noise levels is enclosed as Annexure 5

vii.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	<p>Being followed.</p> <p>In the existing cement plant, we have Hospital and Dispensary for regular checkup of workers and records are being maintained as per the factory act.</p>
viii.	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	<p>Being followed.</p> <p>We have already adopted rain water harvesting in the plant, colony and Mines area.</p> <p>We have 03 ponds in our plant of water storage capacity – 3.74 lacs KL and in Mines we have two rain water reservoir of capacity – 32.0 lacs KL.</p> <p>Total water requirement for the existing plant after expansion are fulfilled from our rain water reservoirs.</p> <p>Photographs of Rain water harvesting ponds are enclosed as <u>Annexure 3</u></p>

ix.	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 socioeconomic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	<p>Being followed.</p> <p>The environmental safeguards and protection measures are followed as given in EIA/EMP for controlling of emissions, and safeguarding Air, Water Noise, Soil and flora and fauna.</p> <p>Under CSR activity, company has given prime importance for socioeconomic development by developing skills of local youth, formation of Self Help Groups for women empowerment, upgradation of educationa system by installing</p>
-----	---	---

		<p>Digital class room facility, Supply of fresh and safe drinking water, better sanitation and health facility etc. in nearby villages.</p> <p>The details expenditure on CSR activities is given in <u>Annexure 4.</u></p>
x.	<p>Requisite amount 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 and Forests 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 Bhopal.</p>	<p>Being followed.</p> <p>Total cost of the project – 135 crores</p> <p>Cost for Environmental Protection for the proposed cement expansion</p> <ul style="list-style-type: none"> • Capital cost - 3.58 crores • Recurringcost-54.0Lacs/ annum
xi.	<p>A copy of clearance letter shall be sent by the proponent to the concerned Panchayat, Zila Parishad/Municipal Corporation. The clearance letter shall also be put on the web site of the company by the proponent.</p>	<p>Already implemented.</p> <p>A copy of clearance letter was sent to the Panchayat, Zila Parishad/Municipal Corporation. The clearance letter was also put on the web site of the company.</p>
xii.	<p>The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on Environment their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Bhopal. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOX (ambient levels as well as stack emissions).</p>	<p>Being followed.</p> <p>In the existing cement plant, we are regularly monitoring the AAQ, Stack emissions, fugitive emissions, Noise level, Water and waste water quality, treated water quality and other environmental parameters as applicable and the reports are submitted to the CPCB/SPCB regularly.</p> <p>We have online continuous monitoring system for CEMS & CAAQMS at downwind ward direction and the results are transmitting on real time basis to CPCB & MPPCB, Bhopal and also display at the main gate of the</p>

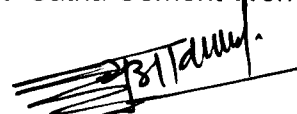
		factory i.e. at public domain.
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of the Ministry at Bhopal/CPCB/SPCB shall monitor the stipulated conditions.	Being followed. Last Six Monthly Compliance Report was submitted on 11.07.20.
xiv.	The environmental statement for each financial year ending 31 st 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 Office of the MoEF at Bhopal by e-mail.	Being followed. We are regularly submitting the Environmental Statement Report of the existing cement plant to CPCB & SPCB. Environmental Statement Report for the year 2019-20 is enclosed as <u>Annexure-6</u> .
xv.	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 and Forests at http://envfor.nic.in	Already implemented. Copy of newspaper publication of accorded Environmental Clearance is enclosed as <u>Annexure 7</u>
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of commencing the land development work.	Project expansion work has been completed. We have obtained consent to operate from MPPCB, Bhopal, vide their letter no. 943 for

		water & 945 for air dated 21.02.2014. Also our Air & Water consent has been renewed regularly from M.P. Pollution Control Board, Bhopal.
--	--	--

We hope the above given information are in order.

With regards,

Yours faithfully,
for BIRLA CORPORATION LIMITED
Unit- Satna Cement Works



Sunil Kasture
Head-Sustainable Development

c.c.to:

1. Director
Ministry of Environment, Forest & Climate Change (GoI)
Indira Paryavaran Bhawan
Jorbagh Road, New Delhi- 110003
2. Member Secretary
M.P. Pollution Control Board
Paryavaran Parisar
E- 5 / Arera Colony, Bhopal – 462 016
3. Regional Director
Central Pollution Control Board,
Paryavaran Parisar,
E-5, Arera Colony, Bhopal (M.P.) - 462016



CEG TEST HOUSE
AND RESEARCH CENTRE PVT. LTD.

CEG Tower, B - 11 (G), Malviya Industrial Area
Jaipur - 302017, Rajasthan, INDIA
Tel. : 91-141-4046599, Fax : 91-141-2751806
info@cegtesthouse.com | www.cegtesthouse.com
CIN : U73100RJ2005PTC020304

TEST REPORT

(Amendment No. 1)

Doc.No. CEGTH/QP/13/F-01

Report No.: CEG/EN/20-21/04598

Date: 11/12/2020

Name & address of Customer	Birla Corporation Ltd. (Unit Satna Cement Works) P.O. Birla Vikas, Satna- 485005, Madhya Pradesh
Reference No.	Your P.O. No. 4560394032, Dated 22.04.2020 & TRF Dated 04.09.2020 (Reg. No. 94402)
Material Identification with Details	Ambient Air Quality Monitoring: 1 No.
Date & Time of Sampling	31.08.2020 (9:00AM) to 01.09.2020 (9:00AM)
Sampling Protocol	IS:5182 (Pt-14) 2000 (RA 2005)
Sampling Location	East-Near Dormitory, East
Duration of Sampling (Minutes)	1387.2
Test Started On	08/09/2020
Test Completed On	16/09/2020
Nature & Activity of the Unit	Human & Vehicular Activities
Ambient Temperature (°C)	Min. 25, Max. 29
Weather Condition during Monitoring	Clear Sky
Instrument Code & Calibration Status	CEGTH/INS/C/396, CEG/INS/C/304, CEG/INS/C/211 & Calibrated

RESULTS

S. No.	Parameters	Method of Test	Results	Unit	NAAQS**
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM 2.5)	IS:5182 (Part 24):2019	26.55	µg /m ³	60 (Max.)
2	Particulate Matter (PM 10)	IS:5182 (Pt 23)-2006 (RA 2017)	59.70	µg /m ³	100 (Max.)
3	Nitrogen dioxide(NO ₂)	IS:5182 (Pt- 6)-2006 (RA 2017)	26.64	µg /m ³	80 (Max.)
4	Sulphur dioxide (SO ₂)	IS:5182 (Pt-2)-2001 (RA 2017)	10.07	µg /m ³	80 (Max.)
5	Carbon monoxide (as CO)	IS 5182 (Part-10):1999 (Ra 2019)	0.5	mg /m ³	4 (Max.)

BLQ=Below Limit of Quantification, LOQ=Limit of Quantification.

**NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark-1: Sampling done by CEGTH Representative (Mr.Sanjeev Kumar) as per sampling method CEGTH/SOP/C/20.

Remark-2: This Test Report supersedes the Report No. CEG/EN/20-21/04598, Dated 16/09/2020 (Sampling Location corrected as requested by customer).

End of the Report

Page No. 1 of 1

Sanjiv
11/12/2020
Checked By

Vishal
11 Dec 2020
Vishal Jharam
(Dy. GM Instrument Lab)
Authorized Signatory

- Total liability of this laboratory is limited to the invoiced amount.
- The results listed refer only to the tested sample and applicable parameters. Endorsement of Product is neither inferred nor implied.
- This Test Report shall not be reproduced wholly or in part and can not be used as an evidence in the court of law without written approval of M/S CEG TH & RC
- From the date of issue of test report, the sample shall be stored, for 1 month in case of non perishable items, upto 1 year for pharma sample, unless otherwise specified in applicable standards/regulatory requirement.
- Sample(s) not drawn by M/S CEG TH & RC, unless specified in the report. **Sample tested at CEGTH & RC Pvt Ltd, Jaipur.**



CEG TEST HOUSE
AND RESEARCH CENTRE PVT. LTD.

CEG Tower, B - 11 (G), Malviya Industrial Area
Jaipur - 302017, Rajasthan, INDIA
Tel. : 91-141-4046599, Fax : 91-141-2751806
info@cegtesthouse.com | www.cegtesthouse.com
CIN : U73100RJ2005PTC020304

TEST REPORT

Doc.No. CEGTH/QP/13/F-01

Report No.: CEG/EN/20-21/04599

Date: 16/09/2020

Name & address of Customer	Birla Corporation Ltd. (Unit Satna Cement Works) P.O. Birla Vikas, Satna- 485005, Madhya Pradesh
Reference No.	Your P.O. No. 4560394032, Dated 22.04.2020 & TRF Dated 04.09.2020 (Reg. No. 94401)
Material Identification with Details	Ambient Air Quality Monitoring: 1 No.
Date & Time of Sampling	01.09.2020 (10:00AM) to 02.09.2020 (10:00AM)
Sampling Protocol	IS:5182 (Pt-14) 2000 (RA 2005)
Sampling Location	Near Ramsingh Residence (West)
Duration of Sampling (Minutes)	1440.0
Test Started On	08/09/2020
Test Completed On	16/09/2020
Nature & Activity of the Unit	Human & Vehicular Activities
Ambient Temperature (°C)	Min. 27, Max. 30
Weather Condition during Monitoring	Clear Sky
Instrument Code & Calibration Status	CEGTH/INS/C/396, CEG/INS/C/304, CEG/INS/C/211 & Calibrated

RESULTS

S. No.	Parameters	Method of Test	Results	Unit	NAAQS**
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM 2.5)	IS:5182 (Part 24):2019	32.17	µg /m ³	60 (Max.)
2	Particulate Matter (PM 10)	IS:5182 (Pt 23)-2006 (RA 2017)	69.61	µg /m ³	100 (Max.)
3	Nitrogen dioxide(NO ₂)	IS:5182 (Pt- 6)-2006 (RA 2017)	21.33	µg /m ³	80 (Max.)
4	Sulphur dioxide (SO ₂)	IS:5182 (Pt-2)-2001 (RA 2017)	6.60	µg /m ³	80 (Max.)
5	Carbon monoxide (as CO)	IS 5182 (Part-10):1999 (Ra 2019)	0.4	mg /m ³	4 (Max.)

BLQ=Below Limit of Quantification, LOQ=Limit of Quantification.

**NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by CEGTH Representative (Mr.Sanjeev Kumar) as per sampling method CEGTH/SOP/C/20.

End of the Report

Page No. 1 of 1

Singh
16/09/2020

Checked By

Vishal
16 Sept 2020
Vishal Jhelum
(Dy. GM-Instrument Lab)
Authorized Signatory

- Total liability of this laboratory is limited to the invoiced amount.
- The results listed refer only to the tested sample and applicable parameters. Endorsement of Product is neither inferred nor implied.
- This Test Report shall not be reproduced wholly or in part and can not be used as an evidence in the court of law without written approval of M/S CEG TH & RC
- From the date of issue of test report, the sample shall be stored, for 1 month in case of non perishable items, upto 1 year for pharma sample, unless otherwise specified in applicable standards/regulatory requirement.
- Sample(s) not drawn by M/S CEG TH & RC, unless specified in the report. Sample tested at CEGTH & RC Pvt Ltd, Jaipur.



CEG TEST HOUSE
AND RESEARCH CENTRE PVT. LTD.

CEG Tower, B - 11 (G), Malviya Industrial Area
Jaipur - 302017, Rajasthan, INDIA
Tel. : 91-141-4046599, Fax : 91-141-2751806
info@cegtesthouse.com | www.cegtesthouse.com
CIN : U73100RJ2005PTC020304

TEST REPORT

Doc.No. CEGTH/QP/13/F-01

Report No.: CEG/EN/20-21/04600

Date: 16/09/2020

Name & address of Customer	Birla Corporation Ltd. (Unit Satna Cement Works) P.O. Birla Vikas, Satna- 485005, Madhya Pradesh
Reference No.	Your P.O. No. 4560394032, Dated 22.04.2020 & TRF Dated 04.09.2020 (Reg. No. 94400)
Material Identification with Details	Ambient Air Quality Monitoring: 1 No.
Date & Time of Sampling	02.09.2020 (12:00PM) to 03.09.2020 (12:00PM)
Sampling Protocol	IS:5182 (Pt-14) 2000 (RA 2005)
Sampling Location	Near Ghurdang School (North)
Duration of Sampling (Minutes)	1497.6
Test Started On	08/09/2020
Test Completed On	16/09/2020
Nature & Activity of the Unit	Human & Vehicular Activities
Ambient Temperature (°C)	Min. 26, Max. 29
Weather Condition during Monitoring	Clear Sky
Instrument Code & Calibration Status	CEGTH/INS/C/396, CEG/INS/C/304, CEG/INS/C/211 & Calibrated

RESULTS

S. No.	Parameters	Method of Test	Results	Unit	NAAQS**
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM 2.5)	IS:5182 (Part 24):2019	35.49	µg /m ³	60 (Max.)
2	Particulate Matter (PM 10)	IS:5182 (Pt 23)-2006 (RA 2017)	72.85	µg /m ³	100 (Max.)
3	Nitrogen dioxide(NO ₂)	IS:5182 (Pt- 6)-2006 (RA 2017)	22.39	µg /m ³	80 (Max.)
4	Sulphur dioxide (SO ₂)	IS:5182 (Pt-2)-2001 (RA 2017)	6.96	µg /m ³	80 (Max.)
5	Carbon monoxide (as CO)	IS 5182 (Part-10):1999 (Ra 2019)	0.6	mg /m ³	4 (Max.)

BLQ=Below Limit of Quantification, LOQ=Limit of Quantification.

**NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by CEGTH Representative (Mr. Sanjeev Kumar) as per sampling method CEGTH/SOP/C/20.

End of the Report

Page No. 1 of 1

lingh
16/09/2020

Checked By

Vishal
16 Sept 2020
Vishal Jhelum
(Dy. GM-Instrument Lab)
Authorized Signatory

- Total liability of this laboratory is limited to the invoiced amount.
- The results listed refer only to the tested sample and applicable parameters. Endorsement of Product is neither inferred nor implied.
- This Test Report shall not be reproduced wholly or in part and can not be used as an evidence in the court of law without written approval of M/S CEG TH & RC
- From the date of issue of test report, the sample shall be stored, for 1 month in case of non perishable items, upto 1 year for pharma sample, unless otherwise specified in applicable standards/regulatory requirement.
- Sample(s) not drawn by M/S CEG TH & RC, unless specified in the report. Sample tested at CEGTH & RC Pvt Ltd, Jaipur.

Rajiv Gandhi National Quality Award - 2013 National Award - MSME 2012, Govt. of India



CEG TEST HOUSE
AND RESEARCH CENTRE PVT. LTD.

CEG Tower, B - 11 (G), Malviya Industrial Area
Jaipur - 302017, Rajasthan, INDIA
Tel. : 91-141-4046599, Fax : 91-141-2751806
info@cegtesthouse.com | www.cegtesthouse.com
CIN : U73100RJ2005PTC020304

TEST REPORT

Doc.No. CEGTH/QP/13/F-01

Report No.: CEG/EN/20-21/04601

Date: 16/09/2020

Name & address of Customer	Birla Corporation Ltd. (Unit Satna Cement Works) P.O. Birla Vikas, Satna- 485005, Madhya Pradesh
Reference No.	Your P.O. No. 4560394032, Dated 22.04.2020 & TRF Dated 04.09.2020 (Reg. No. 94399)
Material Identification with Details	Ambient Air Quality Monitoring: 1 No.
Date & Time of Sampling	03.09.2020 (12:30PM) to 04.09.2020 (12:30PM)
Sampling Protocol	IS:5182 (Pt-14) 2000 (RA 2005)
Sampling Location	Birla Vikash School (South)
Duration of Sampling (Minutes)	1437.6
Test Started On	08/09/2020
Test Completed On	16/09/2020
Nature & Activity of the Unit	Human & Vehicular Activities
Ambient Temperature (°C)	Min. 27, Max. 30
Weather Condition during Monitoring	Clear Sky
Instrument Code & Calibration Status	CEGTH/INS/C/396, CEG/INS/C/304, CEG/INS/C/211 & Calibrated

RESULTS

S. No.	Parameters	Method of Test	Results	Unit	NAAQS**
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM 2.5)	IS:5182 (Part 24):2019	38.78	µg /m ³	60 (Max.)
2	Particulate Matter (PM 10)	IS:5182 (Pt 23)-2006 (RA 2017)	82.80	µg /m ³	100 (Max.)
3	Nitrogen dioxide(NO ₂)	IS:5182 (Pt- 6)-2006 (RA 2017)	24.19	µg /m ³	80 (Max.)
4	Sulphur dioxide (SO ₂)	IS:5182 (Pt-2)-2001 (RA 2017)	9.70	µg /m ³	80 (Max.)
5	Carbon monoxide (as CO)	IS 5182 (Part-10):1999 (Ra 2019)	0.5	mg /m ³	4 (Max.)

BLQ=Below Limit of Quantification, LOQ=Limit of Quantification.

**NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by CEGTH Representative (Mr.Sanjeev Kumar) as per sampling method CEGTH/SOP/C/20.

End of the Report

Page No. 1 of 1

Sanjeev Kumar
16/09/2020

Checked By

Vishal Jhelum
16 sept 2020

Vishal Jhelum
(Dy. GM-Instrument Lab)
Authorized Signatory

- Total liability of this laboratory is limited to the invoiced amount.
- The results listed refer only to the tested sample and applicable parameters. Endorsement of Product is neither inferred nor implied.
- This Test Report shall not be reproduced wholly or in part and can not be used as an evidence in the court of law without written approval of M/S CEG TH & RC
- From the date of issue of test report, the sample shall be stored, for 1 month in case of non perishable items, upto 1 year for pharma sample, unless otherwise specified in applicable standards/regulatory requirement.
- Sample(s) not drawn by M/S CEG TH & RC, unless specified in the report. Sample tested at CEGTH & RC Pvt Ltd, Jaipur.

DATE-25/10/2020

TO WHOMSOEVER IT MAY CONCERN

It is certified that the environmental monitoring work is done for the 3rd quarter in August 2020 (from 31st August to 07th September 2020) to cross check performance of online system (opacity meter and gas analyzer) installed at **M/s. Birla Corporation Limited, Unit-Satna Cement Works, Satna (M.P)** as per work order no-4560394032 dated-22.04.2020. On the basis of our results, we conclude that all the online system shows the correct values of the point source flue gas emission in **SCW PLANT LINE No.-1**.

The details of the online devices installed on stack are as follows:

Sr. No	Name of Stack	Parameters		Serial No	Make	Model	Range	Unit	Standards (mg/nm3)	Measured Value (mg/nm3)
1.	Raw Mill/ Klin Bag house Stack	PM	mcu	11058807	SICK	DHT-50	0-200	Mg/nm3	30	13.16
		SO ₂		715270	SICK	S710-	0-2000	Mg/nm3	100	13.09
		NO _x			MAHEK	MULTAR			800	372.52
2.	Klin Bag house Stack	PM	mcu	11058805	SICK	DHT-50	0-100	Mg/nm3	30	12.53
		SO ₂		715268	SICK	S710-	0-2000	Mg/nm3	100	20.94
		NO _x			MAHEK	MULTAR			800	293.50
3.	Cooler ESP Stack	PM	mcu	11058804	SICK	DHT50	0-200	Mg/nm3	30	17.55
4.	Coal Ball Mill BDC Stack	PM	mcu	12308510	SICK	SP100	0-100	Mg/nm3	30	9.84
5.	VCM Mill BDC Stack	PM	mcu	12308508	SICK	SP100	0-100	Mg/nm3	30	15.77
6.	Cement Mill-1 BDC Stack	PM	mcu	12308509	SICK	SP100	0-100	Mg/nm3	30	20.42
7.	Cement Mill- 1A BDC Stack	PM	mcu	12308515	SICK	SP100	0-100	Mg/nm3	30	14.55

For CEG Test House and Research Centre Pvt. Ltd

Koushik Saha

Koushik Saha -DGM- Business Development, Environment

Mobile No: +917727835511

Email: koushik.saha@cegtesthouse.com



DATE-25/10/2020

TO WHOMSOEVER IT MAY CONCERN

It is certified that the environmental monitoring work is done for the 3rd quarter in August 2020 (from 31st August to 07th September 2020) to cross check performance of online system (opacity meter and gas analyzer) installed at **M/s. Birla Corporation Limited, Unit-Satna Cement Works, Satna (M.P)** as per work order no-4560394032 dated-22.04.2020 On the basis of our results, we conclude that all the online system shows the correct values of the point source flue gas emission in **BVC PLANT LINE NO.-2**.

The details of the online devices installed on stack are as follows:

Sr. No	Name of Stack	Parameters		Serial No	Make	Model	Range	Unit	Standards (mg/nm3)	Measured Value (mg/nm3)
1.	Raw Mill/Klin ESP Stack.	PM	mcu	12308507	SICK	DHT-50	0-200	Mg/nm3	30	21.30
		SO ₂		715269	SICK	S710-	0-2000	Mg/nm3	100	26.18
		NO _x			MAHEK	MULTAR			800	380.04
2.	Klin Bag House Stack	PM	mcu	10018544	SICK	DHT-50	0-100	Mg/nm3	30	22.36
		SO ₂		715271	SICK	S710-	0-2000	Mg/nm3	100	28.79
		NO _x			MAHEK	MULTAR			800	413.91
3.	Cooler ESP Stack	PM	mcu	7078720	SICK	FW-100/FW-300	0-200	Mg/nm3	30	22.11
4.	Coal Ball Mill BDC Stack.	PM	mcu	12308504	SICK	SP100	0-100	Mg/nm3	30	14.30
5.	VCM Mill BDC Stack.	PM	mcu	12308505	SICK	SP100	0-100	Mg/nm3	30	11.68
6.	Cement Mill-1 BDC Stack.	PM	mcu	12308516	SICK	SP100	0-100	Mg/nm3	30	21.37
7.	Cement Mill-2 BDC Stack.	PM	mcu	12308512	SICK	SP100	0-100	Mg/nm3	30	17.14

FOR CEG TEST HOUSE PVT LIMITED

Koushik Saha

Koushik Saha -DGM- Business Development, Environment

Mobile No: +917727835511

Email: koushik.saha@cegtesthouse.com



REPORT DATE :29/12/2020													
DETAILED DIESEL REPORT													
DEALER CODE : BIRLA/01													
DEALER NAME : BIRLA CORPORATION LIMITED UNIT SATNA													
ADDRESS : BIRLA CORPORATION LIMITED UNIT SATNA CEMENT													
For Duration from : 11/13/2020 to 11/13/2020 PUC Checked From: 600004250 To: 600005677													
PUC No.	V. Reg. No.	Test Date Time	Valid UpTo	Make	Model	Category	Reg. Year	RPM Min.	RPM Max.	Oil Temp.	% HSU	K Value	Result
600004258	MP19CC0157	11/13/2020 08:27AM	5/12/2021	MAHINDRA & MAHINDRA	SCORPIO	CAR	28/02/2019	870	2120	73	23.52%	0.62K	PASS
600004260	MP19 L - 0261	11/13/2020 08:35AM	5/12/2021	TATA	FIRE BRIGADE TATA	FIRE BRIGADE TRUCK 1613	00/00/2007	830	2730	54	49.43%	1.59K	PASS
600004256	MP19P0264	11/13/2020 08:20AM	5/12/2021	TATA	TATA BUS	BUS	30/10/2007	940	2430	63	51.40%	1.68K	PASS
600004276	MP19P0409	11/13/2020 08:18AM	5/12/2021	TATA	TATA BUS	BUS	16/11/2009	880	4460	63	39.42%	1.17K	PASS
600004282	MP19GA0448	11/13/2020 09:39AM	5/12/2021	TATA	TATA 207	TATA 207 MINI TRUCK	27/09/2007	550	3940	58	48.57%	1.55K	PASS
600004272	MP19CA1463	11/13/2020 09:06AM	5/12/2021	TOYOTA	INNOVA	CAR	28/02/2007	680	4460	64	51.55%	1.69K	PASS
600004266	MP19CB1502	11/13/2020 08:58AM	5/12/2021	HONDA	MOBILIO	CAR	28/02/2014	640	3330	52	21.07%	0.55K	PASS
600004268	MP19CB1547	11/13/2020 09:01AM	5/12/2021	HONDA	MOBILIO	CAR	28/02/2014	840	3290	59	21.95%	0.58K	PASS
600004259	MP19CB1607	11/13/2020 08:28AM	5/12/2021	TOYOTA	INNOVA	CAR	28/02/2014	650	4980	70	25.86%	0.70K	PASS
600005674	MP19CB1608	11/13/2020 09:12AM	5/12/2021	TOYOTA	COROLLA ALTIS	CAR	19/02/2015	650	4980	70	25.86%	0.70K	PASS
600004249	MP19CB1866	11/13/2020 08:08AM	5/12/2021	MAHINDRA & MAHINDRA	JEEP	CAR	6/4/2015	700	4640	54	41.06%	1.23K	PASS
600004283	MP19GA2325	11/13/2020 09:40AM	5/12/2021	TATA	TATA ACE	TATA 207 MINI TRUCK	12/12/2013	960	2450	52	33.54%	0.95K	PASS
600004253	MP19CC2369	11/13/2020 08:17AM	5/12/2021	MAHINDRA & MAHINDRA	SCORPIO	CAR	23/01/2019	550	4650	54	17.55%	0.45K	PASS
600004269	MP19CA2522	11/13/2020 09:02AM	5/12/2021	MAHINDRA & MAHINDRA	SCORPIO	CAR	28/02/2008	960	3150	51	54.28%	1.82K	PASS
600004281	MP19CA2523	11/13/2020 09:37AM	5/12/2021	MAHINDRA & MAHINDRA	SCORPIO	CAR	23/01/2008	560	2820	53	32.96%	0.93K	PASS
600004270	MP19CA2562	11/13/2020 09:04AM	5/12/2021	MAHINDRA & MAHINDRA	SCORPIO	CAR	28/02/2008	740	4750	56	42.60%	1.29K	PASS
600004261	MP19CA2582	11/13/2020 08:37AM	5/12/2021	TATA MOTORS	INDIGO XL	CAR	23/01/2014	700	2670	59	49.67%	1.60K	PASS
600004262	MP19CA2583	11/13/2020 08:41AM	5/12/2021	TATA MOTORS	INDIGO XL	CAR	28/02/2008	860	2220	74	42.24%	1.28K	PASS
600005675	MP19CB2782	11/13/2020 09:12AM	5/12/2021	MARUTI SUZUKI	SWIFT LXI SPORTS	CAR	10/11/2015	970	4600	71	39.68%	1.18K	PASS
600004267	MP19GA2810	11/13/2020 08:59AM	5/12/2021	GENERAL MOTORS	TAVERA	AMBULANC E VAN	15/02/2014	760	4790	56	35.28%	1.01K	PASS

600005672	MP19CB2907	11/13/2020 09:10AM	5/12/2021	HONDA	HONDA CITY	CAR	10/12/2015	650	4980	70	25.86%	0.70K	PASS
600005673	MP19CB2973	11/13/2020 09:11AM	5/12/2021	MARUTI	SWIFT LXI SPORTS	CAR	18/12/2015	580	4680	43	34.15%	0.97K	PASS
600005676	MP19CB2982	11/13/2020 09:14AM	5/12/2021	MARUTI	SWIFT LXI SPORTS	CAR	18/12/2015	910	2580	78	32.22%	0.90K	PASS
600004273	MP19CA3448	11/13/2020 09:07AM	5/12/2021	MAHINDRA & MAHINDRA	SCORPIO	CAR	23/01/2009	830	3840	64	47.81%	1.51K	PASS
600005678	MP19CA4724	11/13/2020 09:16AM	5/12/2021	MARUTI	SX4	CAR	7/10/2010	910	4900	48	24.10%	0.64K	PASS
600004263	MP19CA4758	11/13/2020 08:43AM	5/12/2021	MAHINDRA & MAHINDRA	SCORPIO	CAR	20/10/2010	800	3780	67	46.04%	1.43K	PASS
600005677	MP19CA4796	11/13/2020 09:15AM	5/12/2021	MARUTI	SX4	CAR	26/10/2010	910	2580	78	32.22%	0.90K	PASS
600004257	MP19CA4896	11/13/2020 08:22AM	5/12/2021	TOYOTA	INNOVA	CAR	23/01/2010	840	3130	65	31.52%	0.88K	PASS
600004255	MP19CA4945	11/13/2020 08:19AM	5/12/2021	MARUTI	SWIFT VDI	CAR	7/2/1905	910	2580	78	32.22%	0.90K	PASS
600004252	MP19CA4946	11/13/2020 08:13AM	5/12/2021	MARUTI	SWIFT	CAR	28/02/2010	970	4600	71	39.68%	1.18K	PASS
600004251	MP19CA4952	11/13/2020 08:12AM	5/12/2021	MARUTI	SWIFT	CAR	28/02/2010	580	4680	43	34.15%	0.97K	PASS
600004264	MP19CA7073	11/13/2020 08:47AM	5/12/2021	TATA MOTORS	INDICA	CAR	21/05/2012	930	4730	65	49.50%	1.59K	PASS
600004250	MP19CA7076	11/13/2020 08:11AM	5/12/2021	TATA MOTORS	INDICA	CAR	21/05/2012	600	4430	44	50.09%	1.62K	PASS
600004271	MP19CA7115	11/13/2020 09:05AM	5/12/2021	MAHINDRA & MAHINDRA	XYLO	CAR	28/02/2013	770	2270	53	34.61%	0.99K	PASS
600004265	MP19CA7689	11/13/2020 08:50AM	5/12/2021	TATA MOTORS	INDIGO MANZA AC	CAR	7/2/2012	790	4390	51	53.25%	1.77K	PASS
600004277	UP33X7800	11/13/2020 09:27AM	5/12/2021	MARUTI	SWIFT DIZER VDI	CAR	27/9/2012	910	4900	48	24.10%	0.64K	PASS
600004274	MP19CA9676	11/13/2020 09:08AM	5/12/2021	FORD	ECO SPORTS	CAR	28/02/2009	590	3440	68	38.05%	1.11K	PASS

TOTAL : 37

BVC POND-I



BVC POND-II



BVC POND-III



BIRLA CORPORATION LTD.SATNA
CSR BUDGET FOR 2019-20

Sl. No.	Main Activities	Cumulative Budget 19-20
I	HEALTH AND SANITATION	
a	General Health check up camp including financial assistance & Medicine for treatment to the needy patients/Villagers.	1.55
b	Toilet Construction and renovation	-
c	Awareness/ Training / Distribution of Medicines etc... for Sanitation /Immunization	-
d	Mother & Child Care - to distribute baby kits/ medicines etc.	-
e	Basic infrastructure at Govt. Hospitals / Primary Health Centres e.g. building maintenance especially toilets, fans, water coolers, RO filters, wheel-chairs, beds, stretcher etc.	-
f	Infrastructure development at Anganwadis e.g. drinking water facilities, Dress, tables/ stools/ desks, fans, lights, toilets, training to Asha Sahyogini etc.	0.26
g	Eye check up camp & surgery (Through Udhav Dham Sewa Samiti)	0.10
h	Development of nearby slum areas & assistance to the local inhabitants for organizing games/social functions.	-
i	Support to Birla hospital	0.23
	TOTAL I	2.14
II	WATER	
a	Project on drinking water supply for nearby Villages Community	5.48
b	Deepening / repair of water bodies (Overhead tanks/ Ponds/handpumps, "Anicut" etc.)	
c	Construction of overhead tanks / enhancement of water storage in Villages	
d	To contribute towards "Mukhya Mantri Jal Swablamban Abhiyan - (MJSA)" projects in 3rd phase.	
e	To provide permanent water connection from PHED at Rajiv Gandhi Garden, opp. M. P. Birla Hospital & Research Centre, Chittorgarh.	
	TOTAL II	5.48
III	EDUCATION	
a	Scholarship to the meritorius student	
b	Assistance for schools such as Infrastructure , Books , Bags, Uniforms, Computer, table and Benches for school children	1.78
c	Organising competition to motivate students	-
d	Support for quality of education through teachers training / workshop and prevention of drop out	-
e	Free Primary School and computer classes at Cement Colony.	-
f	School building/Toilets repair & renovation in villages	5.59
g	Support to Birla school	4.21
h	Support for Setting up of Old Age Homes	1.15
	TOTAL III	12.72
IV	LIVELIHOOD	
a	Livelihood enhancement through Advanced agricultural training and Provision of livestock to villagers(Through BAIF)	15.00
	TOTAL IV	15.00
V	RURAL INFRASTRUCTURE	
a	Cremation ground boundary wall work in Sagmaniya & Birhuli Village.	-
b	Park Renovation work at Sagmaniya workers colony.	-
c	Filling of chips and Murrum of Mela Ground in Bharjuna village	0.44
d	Development of Rural infrastructure like construction of roads / drainage system / community hall /Culvert / Bus Stop Shed etc..	-
	TOTAL V	0.44
VI	SOCIAL FORESTRY/ENVIRONMENT	
a	Maintainance of community garden, Madhav circle & Sanwaria Govt Hospital	-
b	Environmental sustainability / Plantation of trees	0.02
	TOTAL VI	0.02
VII	Others	
a	District Administration work	3.66
b	Safety awareness/ training programmes on road safety etc.	
c	Based on the requirement of stakeholders - activities will be covered under the CSR provisions of the Companies Act, 2013.	-
d	Promote of Rural Sports & national recognised Sports	0.36
e	Support to Matrya Chaya Satna	0.63
	TOTAL VII	4.65
	TOTAL I to VII	40.45



Am



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<i>Name & Address Of The Customer</i> To, Birla Corporation Limited Unit-Satna Cement Works (A Unit of MP Birla Group) PO : Birla Vikas, Satna -485005, M.P. India	REPORT NO	UES/TR/20-21/03516
	LAB REF NO	UES/20-21/N/03163
	DATE OF REPORT	23/12/2020
	DATE OF SAMPLING	15/12/2020 to 16/12/2020

SAMPLE DETAILS

MONITORING FOR	AMBIENT NOISE LEVEL MONITORING
CUSTOMER REF. NO. & DATE	4560448372, DATED :04.12.2020
SAMPLING LOCATION	CEMENT PLANT AMBIENT NOISE LEVEL
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	MANUFACTURER'S INSTRUCTION

TEST REPORT

LOCATION	UNIT	RESULT		CPCB LIMIT (INDUSTRIAL ZONE)	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
TELEPHONE EXCHANGE(EAST)	dB(A)	52.5	44.8	75	70
BVC BUILDING OFFICE(WEST)	dB(A)	69.8	52.4		
BVC GATE (NORTH)	dB(A)	69.2	51.8		
COAL GATE (SOUTH)	dB(A)	60.3	52.2		

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for test(s) only.

 PREPARED BY 23/12/2020		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY 23/12/2020
-------------------------------	--	---

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Customer To, Birla Corporation Limited Unit-Satna Cement Works (A Unit of MP Birla Group) PO : Birla Vikas, Satna -485005, M.P. India	REPORT NO	UES/TR/20-21/03520
	LAB REF NO	UES/20-21/N/03167
	DATE OF REPORT	23/12/2020
	DATE OF SAMPLING	15/12/2020 to 16/12/2020
SAMPLE DETAILS		
MONITORING FOR	WORK ZONE NOISE LEVEL MONITORING	
CUSTOMER REF. NO. & DATE	4560448372, DATED :04.12.2020	
SAMPLING LOCATION	SCW PLANT WORK ZONE NOISE LEVEL	
SAMPLE COLLECTED BY	LABORATORY CHEMIST	
SAMPLING PROCEDURE	MANUFACTURER'S INSTRUCTION	

TEST REPORT			
LOCATION		UNIT	RESULT dB(A)
CEMENT MILL HOUSE	INSIDE	dB(A)	87.5
	OUTSIDE	dB(A)	86.4
NEAR RAW MILL VRC		dB(A)	89.8
NEAR BALL COAL MILL		dB(A)	82.5
NEAR CCR BUILDING		dB(A)	81.1
INSIDE RAW MILL COMPRESSOR HOUSE		dB(A)	82.1
INSIDE CEMENT MILL COMPRESSOR HOUSE		dB(A)	87.3
WHRS NEAR TURBINE		dB(A)	82.3
WHRS NEAR CONDENSER		dB(A)	83.8
WHRS NEAR COOLING TOWER		dB(A)	73.8
WHRS INSIDE CCR		dB(A)	73.8
WHRS OUTSIDE CCR		dB(A)	86.4
NEAR COAL VCM		dB(A)	89.5
NEAR VRPGM		dB(A)	87.7
INSIDE CCR		dB(A)	70.9
OUTSIDE CCR		dB(A)	80.5
NEAR DM PLANT		dB(A)	77.3

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15days after issue of test report unless otherwise agreed with customer.
- > This is for information as the party has asked for specific test(s) only.

 PREPARED BY 23/12/2020		For ULTIMATE ENVIROLYTICAL SOLUTIONS AUTHORIZED SIGNATORY 23/12/2020
-------------------------------	--	---

-----End of the test report-----



HDD-272, Phase III - Near JP Chowk
Ring Road No.-2, Kabir Nagar, Raipur (C.G.) - 492099
Ph : 0771 - 4027777 | Email : ultimatenviro@gmail.com

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<i>Name & Address Of The Customer</i> To, Birla Corporation Limited Unit-Satna Cement Works (A Unit of MP Birla Group) PO : Birla Vikas, Satna -485005, M.P. India	REPORT NO	UES/TR/20-21/03519
	LAB REF NO	UES/20-21/N/3166
	DATE OF REPORT	23/12/2020
	DATE OF SAMPLING	15/12/2020 to 16/12/2020

SAMPLE DETAILS

MONITORING FOR	WORK ZONE NOISE LEVEL MONITORING
CUSTOMER REF. NO. & DATE	4560448372, DATED : 04.12.2020
SAMPLING LOCATION	BVC PLANT NOISE LEVEL
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	MANUFACTURER'S INSTRUCTION

TEST REPORT

LOCATION	UNIT	RESULT dB(A)
CEMENT MILL HOUSE	INSIDE	88.9
	OUTSIDE	83.1
NEAR RAW MILL	dB(A)	85.1
NEAR BALL COAL MILL	dB(A)	82.1
NEAR CCR BUILDING	dB(A)	80.2
INSIDE RAW MILL COMPRESSOR HOUSE	dB(A)	88.8
INSIDE CEMENT MILL COMPRESSOR HOUSE	dB(A)	86.4
WHRS NEAR TURBINE	dB(A)	84.0
WHRS NEAR CONDENSER	dB(A)	80.5
WHRS NEAR COOLING TOWER	dB(A)	79.8
WHRS INSIDE CCR	dB(A)	77.4
WHRS OUTSIDE CCR	dB(A)	88.0
NEAR VRM	dB(A)	81.7
NEAR PET COKE MILL	dB(A)	86.2
ROPEWAY NORMAL	dB(A)	73.2
ROPEWAY UNLOADING	dB(A)	80.7
NEAR POLYCOM	dB(A)	83.9

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- > The use of the report for publication, arbitration or as legal dispute is forbidden.
- > Test sample will be retained for 15days after issue of Test report unless otherwise agreed with customer.
- > This is for information as the party has asked for above tests only.

 23/12/2020 PREPARED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS  23/12/2020 AUTHORIZED SIGNATORY
---	---	---

-----End of the test report-----

23.09.20

Registered A/D

To,
The Member Secretary
M.P. Pollution Control Board
Paryavaran Parisar,
E-5, Arera Colony
BHOPAL (M.P.)-462016

Sub: Environmental Statement report for the financial year 2019-20

Dear Sir,

Please find enclosed herewith the Environmental statement report prepared for the financial year **2019-20** as per the Government of India notification dated 13th March 1992.

With regards,

Yours faithfully,
For BIRLA CORPORATION LIMITED
UNIT- SATNA CEMENT WORKS


(SUNIL KASTURE)
SD- HEAD

Encl.: As above.

c.c.to:

- 1) Member Secretary - CPCB
Parivesh Bhawan,
CBD-cum Office Complex
East Arjun Nagar, Delhi-110032
- 2) Regional Director
Regional Directorate (Central)
Central Pollution Control Board (CPCB)
E-5, Link Road No.3, Ekant Park,
Arera Colony,
BHOPAL (M.P.) – 462016
- 3) Regional Officer
M.P. Pollution Control Board,
Rewa Road, Near Maihar – Amarpatan by pass,
SATNA (M.P.) – 485001



ENVIRONMENTAL STATEMENT REPORT

2019 - 20



BIRLA
CORPORATION
LIMITED

Birla Corporation Limited
Unit- Satna Cement Works
P.O: Birla Vikas
SATNA (M.P.)- 485005

**ENVIRONMENTAL STATEMENT REPORT FOR THE
FINANCIAL YEAR ENDING 31st MARCH-2020**

Period 1st April-2019 to 31st March-2020

PART-A

1. Name and address of the Owner/Occupier of the Industry : Birla Corporation Limited
Unit: Satna Cement Works
P.O. Birla Vikas
Dist. Satna (M.P.)-485005
Phone – (07672) 412000-01
- Operation or process : Cement manufacturing by dry process
Industry category-
Primary(STC Code)-
Secondary(STC Code)-
2. Production capacity : Clinker -- 34.00 LTPA
Cement -- 30.00 LTPA
3. Year of establishment : Birla Vikas Cement – 1982
Satna Cement Works Conv. – 1989
4. Date of last environmental statement report submitted : Environmental statement report for the financial year April – 2018 to March – 2019 has been submitted on 09.09.2019..

PART-B

Water and Raw Material Consumption

1.	<u>Water consumption m³/day</u>	<u>Cement</u>	
	Process	Nil	
	Cooling	860.38	
	Domestic	735.03	
		Water consumption per unit of product	
	Name of products	During the previous financial year	During the current financial year
1.	Cement	0.0859 m ³ /Tone	0.0726 m ³ /Tone

Raw Material Consumption

		Consumption of raw material per unit of product		
	Name of Raw Materials	Name of products	During the previous financial year	During the current financial year
1.	Limestone	Cement	0.95/T	0.97/T
2.	Coal	Cement	0.09/T	0.10/T
3.	Iron ore	Cement	0.03/T	0.03/T
4.	Gypsum	Cement	0.03/T	0.03/T
5.	Pozzalona(Fly ash)	Pozzalonic cement	0.33/T	0.33/T

PART-C

Pollution discharges to environment/unit of out-puts (Parameter as specified in the consent issued)

7.	Pollutants	Quantity of Pollutants Discharged (mass/day)	Concentration of pollutants in discharges (mass/volume)	% of variation from prescribed standards with reasons.
a)	WATER :-			
	Industrial effluent	No industrial waste water generated		N.A.
	Domestic effluent	473.67 m ³ /day	-	Domestic waste water is treated in STP of capacity 1080M ³ /day. Treated water recycled for irrigation, gardening etc. It meets the prescribed standards laid down by MPPCB.
b)	AIR			
	RM / KILN ESP (BVC)	0.1088 TPD 35.58 T/year	18.38 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
	COOLER (SCW + BVC)	0.2485 TPD 80.89 T/year	19.13 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
1.	CM-1A-SCW	0.0132 TPD 3.15 T/year	13.07 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
2.	CM-1-SCW	0.0167 TPD 4.17 T/year	13.95 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
3.	COAL BALL MILL-SCW	0.0150 TPD 4.33 T/year	12.32 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
4.	COAL VRM-SCW	0.01395 TPD 0.88 T/year	13.19 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
5.	CM-1 BVC	0.0092 TPD 2.44 T/year	12.50 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
6.	CM-2-BVC	0.00835 TPD 2.11 T/year	12.83 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
7.	COAL BALL MILL-BVC	0.0173 TPD 3.42 T/year	12.99 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/nm ³ laid by MPPCB
8.	COAL VRM-BVC	0.0169 TPD 0.356 T/year	12.56 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/Nm ³ laid by MPPCB
9.	Kiln Bag House-SCW	0.0430 TPD 13.93 T/year	13.46 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/Nm ³ laid by MPPCB
10	Kiln Bag House-BVC	0.1357 TPD 44.39 T/year	15.45 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/Nm ³ laid by MPPCB
11	RM/Kiln Bag House SCW	0.1307 TPD 42.34 T/year	13.12 Mg/Nm ³	We are meeting the prescribed emission standards 30 mg/Nm ³ laid by MPPCB

PART-D

Hazardous wastes (As specified under Hazardous and other wastes
(Management and Tran's boundary Movement) Rules, 2016

	Hazardous Wastes	Total Quantity (kg)	
		During the previous financial year	During the current financial year (Apr,2019 to March, 2020)
1.	From process	Furnace oil sludge NIL	NIL
		Used lubricating oil 3.99 KL	17.80 MT
		Used grease 2366 Kg	12.00 MT
2.	From pollution control facilities	N.A.	N.A.

PART-E

Solid wastes

		Total Quantity	
		During the previous financial year	During the current financial year
a)	From process		
	Cement section	No solid waste generated	No solid waste generated
b)	From Pollution control facilities		
1	RM/Kiln ESP BVC	Raw meal - 90250.24 Ts	Raw meal - 61909.03 Ts
2	Kiln Bag House-SCW	Raw meal - 25957.44 Ts	Raw meal - 17569.21 Ts
3	Kiln Bag House -BVC	Raw meal - 96930.73 Ts	Raw meal - 92080.68 Ts
4	Cooler ESP SCW	Clinker dust - 69839.35 Ts	Clinker dust - 67173.84 Ts
5	Cooler ESP BVC	Clinker dust - 66545.55 Ts	Clinker dust - 76555.86 Ts
6	CM-1A SCW	Cement - 34089.61 Ts	Cement - 18734.91 Ts
7	CM-1 SCW	Cement - 127319.67 Ts	Cement - 78176.65 Ts
8	CM-1 BVC	Cement - 65518.56 Ts	Cement - 59051.56 Ts
9	CM-2 BVC	Cement - 31385.09 Ts	Cement - 27259.09 Ts
10	RM/Kiln Bag House SCW	Raw meal - 234638.43 Ts	Raw meal - 122590.93 Ts

(c) 1) Quantity recycled or reutilised with in the unit

The above generated solid wastes are totally recycled and reutilised. The details are as below :

1.	Raw meal	908526.57 Ts.	294149.85 Ts.
2.	Clinker dust	136384.90 Ts.	143729.70 Ts.
3.	Cement	258312.93 Ts.	183222.21 Ts.

2) Sold

i)	Furnace oil sludge	NIL	NIL
ii)	Used lubricating oil	3.99 KL	17.80 MT
iii)	Used grease	2366 Kg	12.00 MT

3) Disposed – Please refer part-F.

PART – F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both categories of wastes.

i) Solid wastes generated from the pollution control facilities are fully recycled and reutilised. The details are given in Part – E.

ii) Solid wastes from utilities :-

Source		Quantity	Nature	Mode of disposal
1.	Water treatment plant			
2.	Domestic waste	69.15 Ts/year	House hold articles	Compost & Plantation

iii) Hazardous wastes from process :-

1.	Plant operation	17.80 MT (Apr'19 to Mar'20)	Used lubricating oil	Sold to parties having authorization from CPCB/SPCB.
2.	Plant operation	12.00 MT (Apr'19 to Mar'20)	Used grease	- do -

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Material saved and recycled by pollution control measures during the year.

Raw meal	-	294149.85 Ts.
Clinker	-	143729.70 Ts.
Cement	-	183222.21 Ts.

Raw material conserved as per above figures

Limestone	-	675314.08 Ts.
Iron ore	-	25219.20 Ts.
Gypsum	-	5881.43 Ts.

Total saving on account of recycling of Raw meal/Clinker/Cement/Coal through pollution control measures.

Rs. 314.87 – per tonne of cement produced

Total cement production – 2472160 Ts.

Total saving value Rs. 778401998/-

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Details of Expenditures on Pollution Control Facility during the financial year (2019-20)

Sr. No.	Particulars	Rupees in Lakhs
1	Installation of 02 Nos. Modular STP for A & B Flats towards UCL road side for treatment of sewage water of these flats to maintain zero discharge.	40.00
2	Developing of ground water harvesting infrastructure to comply with latest CGWA norms which is as per Gazette Notification dated 12.12.2008, S.O. 6140(E).	172.00
3	Made Truck Parking area concreted to further reduce the fugitive dust emission	156.73
4	Laterite crusher ramp has been made concreted to control fugitive dust emission inside the plant due to vehicle movement. As per direction of MPPCB Letter no. 2165/MPPCB/CE II/2019, Bhopal dated 29.07.2019.	14.71
5	To control fugitive dust further by erecting 4 meter MS Sheet over existing boundary wall near 27 MW TPP coal crusher area & laterite crushing area.	5.00
6	Upgraded truck tippler capacity from 40 Mts. to 60 Mts. to control fugitive dust emission for direct handling of 60 Mts. vehicles. As per direction of MPPCB Letter no. 2165/MPPCB/CE II/2019, Bhopal dated 29.07.2019.	9.00
7	Replaced total 798 Nos. Bag of Kiln Bag House for further efficiency improvement in BVC plant.	19.25
8	Replaced total 387 Nos. Bag of Cement Mill No.1 Bag House for further efficiency improvement in BVC plant.	2.32
9	Replaced total 1050 Nos. Bag of Kiln Bag House for further efficiency improvement in SCW plant.	26.25
10	Maintenance cost of pollution control equipment (Bags replacement in dedusting BDC's, pocket filters, spare parts replacements etc.)	14.15
11	Third party Monitoring fees including CEMS,CAAQMS,STP waste water analysis & noise etc.	2.30
12	Maintenance of Green Belt	11.25
13	Cost of Plants , Seeds etc.	4.75
14	Env. Laboratory & Pollution Monitoring Expenses including MPPCB officials , Calibration of Pollution Control Equipment by external agencies etc.	47.58
	Grand Total	525.29

In addition to the above, the annual running expenditure of pollution control equipments is around 3-3.5 crores of rupees. This is accounted for the cost of power, spares, manpower, maintenance etc.

PART – I

Any other particulars for improving the quality of the environment.

1. Green belt development :-

Extensive plantation programme has been launched in the year 2019-20 and 27,628 plants are planted in the factory as well as limestone mines area. Presently there are about 6.74 lakhs surviving trees and shrubs in and around the factory, colony and limestone mines.

2. Pollution control devices :-

As a part of environment control measures we have installed 5 Nos. of ESPs & 13 Nos. Bag house at Kiln, Cooler, Coal Mill & Cement Mill stacks. In addition to this 107 Nos. of BDCs, 36 Nos. of cassette filters at various stacks, storage silos, packing plant, crushing units and at various material transfer points. Thus our both the plants are fully equipped with modern pollution control devices and are working efficiently round the clock. Water spray system is also working successfully at BVC coal, clinker, gypsum and laterite/ sweetner circuits. For detailed list of pollution control equipments, their location, numbers, device etc. please refer Pollution Control Equipments List Annexure-1.

3. Effluent Treatment :-

Water used in the dry process cement manufacturing is mostly for cooling purposes like gas conditioning, bearing cooling etc. The return water from cooling circuit is allowed for sedimentation in settling ponds and cleaned water is recycled back in to the process, thus there is absolutely zero industrial waste water discharge from the system. Domestic waste water generated in the colony, toilets etc. is treated in Sewage Treatment Plant of 1080 m³/day capacity. Treated effluent quality meets the norms fixed by the MPPCB and it is recycled back for irrigation, gardening and water spray purposes. Thus there is absolutely zero discharge of waste water to any natural water system.

4. Pollution Monitoring:-

Air and water pollution load, emission standard fixed by MPPCB, Bhopal are maintained. Major stacks of both the units as well as ambient air quality in all the four direction are monitored regularly. Monthly and quarterly monitoring reports are submitted to MPPCB Bhopal, Satna and CPCB Delhi and zonal office Bhopal. As per guidelines/instruction of CPCB/MPPCB, online Continuous Emission Monitoring System(CEMS) for particulate matter have been installed in all the major stack like Kiln, Cooler, Coal Mill, Cement Mills having SO₂ & NO_x analyser in Kiln Stack. Further, Continuous Ambient Air Quality Monitoring System (CAAQMS) have been installed in our Plant in Oct'12 and after commissioning of the system, online data is being transmitted to CPCB Website from Nov'2012. CAAQMS installed at two locations in Windward direction with Parameters PM₁₀, PM_{2.5}, SO₂, NO_x, CO alongwith meteorological data's. One CAAQMS installed at Bhandavgarh Colony & Krishi Upaj Mandi, Satna City and another CAAQMS installed at Birla Staff Colony, SCW. Also on line CEMS & CAAQMS data's are regularly being transmitted to M.P. Pollution Control Board, Bhopal Website. Treated domestic waste water quality is also monitored regularly the parameters like BOD, COD, suspended solids & pH are covered in the monitoring list. Treated effluent water quality analysis report (August, 2020) and standards are as follows :

MPPCB standards for treated STP waste water - used for plantation & green belt		August, 2020 analysis report	
PH	- 5.5 – 9.0	PH	- 8.16
S. Solids	- 100 mg/lit.	S.Solids	- 19.00 mg/lit.
BOD	- 30 mg/lit.	BOD	- 5.00 mg/lit.
COD	- 250 mg/lit.	COD	- 27.00 mg/lit.

In addition to above all, MPPCB officers are also monitoring the air and water quality periodically to verify and confirm the standards.

A separate pollution control department with necessary equipment and trained technical persons, has been established to look after the pollution control equipments and monitoring. List of pollution monitoring equipments available with this department are given below :-

- | | |
|---|---|
| 1. Stack monitoring kits – 6 Nos. | 12. Spectrophotometer |
| 2. Ambient air monitoring kits – 9 Nos. | 13. Turbidity meter |
| 3. BOD incubator + direct measuring Kit | 14. Refrigerator |
| 4. COD direct Measurement kit | 15. D.O. Meter |
| 5. Electronic balance | 16. APM – 550, 4 Nos for 2.5 micron size dust sample. |
| 6. Glass wares and chemicals | 17. Sound level meter |
| 7. Conductivity meter | 18. Co Measurement kit |
| 8. Stack velocity monitor APM – 602 | 19. Suspended Solids analyser Kit |
| 9. pH meter | 20. Flue gas Analyser Testo 350 |
| 10. Oven | |
| 11. Air conditioner | |

5. Solid Waste:-

No solid waste is generated from plant operation. The dust collected in air pollution control equipments like ESPs, BDCs and cassette filters are recycled back in to the process. Fly ash collected from the Thermal Power Plant ESP is used as a pozzalonic material for cement production. The other sources of solid wastes and their disposal methods are given in part-F.

6. Noise Pollution:-

Noise levels were measured at several location inside and outside the factory at different times of a day and the same are within the permissible limits for acceptable out door noise level as per IS-4954 -1968 OSHA and PCB standards. Adequate noise abatement measures have been taken, the noise generating equipments were properly covered and mounted to reduce noise level. Noise attenuating devices like ear plug and ear muffs are providing to the workers in the area where required. A thick green belt is also developed around the factory to control and minimise the noise impact in the surrounding areas.

7. Fly ash utilization:-

As fly ash is having many cementitious properties, Govt. of India and other statutory agencies has made it mandatory to use fly ash in the manufacturing of pozzalonic cement. As a part of these guidelines this year we have consumed 790931 tones of fly ash for PPC manufacturing, out of this, 67230 tones was own generation and the rest has procured from the nearby thermal power plants.

8. Environmental Management System Certification:-

We have been awarded with IMS (Integrated Management System) by Bureau Veritas as per ISO 9001: 2015, ISO 14001:2015 & ISO 45001: 2018 version. We have been awarded two times continuously with Greentech Environment Excellence Award by Greentech Foundation, New Delhi in August'07 & in Sept'08 for excellence work in Environment Management system. Also we have been awarded Gold award by Greentech Foundation, New Delhi for the year 2012 & 2014 for excellence work in Environment Management System. In addition to this M/s Satna Cement Works has been awarded 4th outstanding Achievement Award, under the category of "Environmental Friendly Recycler/Reprocessor" by "Federation of Madhya Pradesh Chambers of Commerce and Industry" (FMPCCI), Bhopal for commendable efforts & achievements in the year 2015-16.

BIRLA CORPORATION LIMITED

UNIT- SATNA CEMENT WORKS

ANNEXURE-1

LIST OF POLLUTION CONTROL EQUIPMENTS ATTACHED TO STACKS & BELT TRANSFER POINT S

Sl. No.	Section with No. of Equipments	Nos	Device	SCW	BVC
1	RM / Kiln ESP/BH	2	ESP/ BH	RM / Kiln stack (BH)	RM / Kiln stack (ESP)
2	Kiln Bag House	2	B. House	Kiln stack	kiln stack
3	Cooler	4	ESP	Cooler stack	Cooler stack
4	Coal Mill	4	BAG H	Coal mill stack, vert.coal mill	Coal mill stack, vert. coal mill
5	New Pet Coke Mill	4	BAG H		03 nos. BDC in circuit
6	New VRPGM	7	BDC	361.BF-1,361 BF-2, 311.BF-1, 311 BF-2, 311 RF-1	01 NO. in 362 belt, 01 no. In VRM circuit
7	Cement Mill	4	BAG H	CM-1, CM1A	CM -1 & 2 BDC S stack
8	Limestone belts	11	BDC	Plant-B,D-23,D-39	Laterite crusher (2 Nos), Plant-A,R1R03,R1A07 , New LS crusher BDC, 2 nos. New limestone hopper
9	New stacker/ Rec. circuits	6	BDC		BC-7, BC-9, BC-10, BC-12, U2(A), R2 belts
10	Coal belts	10	BDC	Coal Crusher , K3 belt dis., coal hopper,VCM,02 nos. in new wagon tippler	J.No.13, Crusher, W. tippler raw coal hopp., coal solid flow meter.
11	Gypsum	4	BDC	Crusher, GP Bag filter no. - 2,3	GP Bag filter no. - 1
12	Clinker belts	14	BDC	Cooler discharge,F-35,U3(2)belt Clinker Silo, Clinker shuttle belt	KL-7, J.No.5, 13,C.H-1,C.H-2, DDPC Inlet, KL2(A), KL2(C) New clk.hop.CM-1
13	New Clinker Silo	11	BDC	04 nos. in belts trans. Points,01 no. silo top,01 no. elev. dis. To old clinker silo	01 no. silo top,02 no. silo extrac., 02 nos. trans. Points
14	Polycorn Circuit	1	Bag H		Mill exhaust gases- 01 no.
15	Fly ash circuit	9	BDC	02 nos.Silo top,02 nos. truck tipp,01no.dense phase, CM-1 &1A fly ash tank	06 nos.cement transportation Fly ash tank, CM-1,CM-2, CM-2 solid flow meter
16	P.Plant & C.silos	15	BDC	Packer-1,2,3, 01 no.bulk load C.Silo-1&2,3&4.BDC cem.bag cleaning	Packer-1,2,3,4,5,cement silo 1&2,3&4.,01no.bulk load
17	Process	11	BDC	E-27,E-28,E-29, R-25,D-26	H1P01,H1P11,120m PH W1P01, RM Osepa, CM-2 Osepa
18	Limestone belts	15	P.F.	RH-4	LS 3,7,9, L1,K1,K2,R2,R3, R1A,R1B,U4,S1,S2,BC2
19	Clinker belts	9	P.F.	KLC-0A,1A,2A,Stacker Clk unloading-1,2,3	KL2A,KL2(B)
20	Coal belts	5	P.F.	K-3 belt	K4,K4L4,K7,K8
21	Gypsum belts	4	P.F.	GP-7,GP-8,GP-9	GP-10
22	Fly ash silos	3	P.F.	CM-1 Solid flow meter	CM-1,CM-2
23	27 MW CTPP	2	ESP	Boiler stack	
		2	BDC	Coal Crusher, Bunker	
		9	P.F.	3,4,5,6,F.Slo.B.Ash silo, Ash extraction-1;2	
24	Sagmania Mines	3	BDC	BC-5,BC-6, 1200TPH reject belt	
		2	Bag H	1200 TPH, 800TPH	
		2	P.F.	BC2,BC3	
Device	SCW	BVC	27 MW	Mines	TOTAL
ESP	2	3	2	-	7
BAG H	6	7	-	2	15
BDC	45	62	2	3	112
P.F.	13	23	9	2	47

न्यूज पेपर दैनिक जागरण

आम सूचना

सर्व सम्बन्धितों को सूचित किया जाता है कि भारत सरकार पर्यावरण एवं वन मंत्रालय, नई दिल्ली द्वारा विरला कार्पोरेशन लिमिटेड, यूनिट- सतना सीमेंट वर्क्स, सतना को सीमेन्ट उत्पादन क्षमता (2.2 MTPA से 3.0 MTPA) बढ़ाने हेतु पर्यावरण स्वीकृति पत्र क्रमांक J-11011/461/2011-IA-II(I) दिनांक 10.10.2012 द्वारा प्रदान की गई है। जिसकी प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड में व पर्यावरण एवं वन मंत्रालय की Website:<http://envfor.nic.in> पद पर उपलब्ध है।

आम सूचना

सर्व सम्बन्धितों को सूचित किया जाता है कि भारत सरकार पर्यावरण एवं वन मंत्रालय, नई दिल्ली द्वारा बिरला कार्पोरेशन लिमिटेड, यूनिट- सतना सीमेंट वर्क्स, सतना को सीमेन्ट उत्पादन क्षमता (2.2 MTPA से 3.0 MTPA) बढ़ाने हेतु पर्यावरण स्वीकृति पत्र क्रमांक J-11011/461/2011-IA-II(I) दिनांक 10.10.2012 द्वारा प्रदान की गई है। जिसकी प्रति म0प्र0 प्रदूषण नियंत्रण बोर्ड में व पर्यावरण एवं वन मंत्रालय की Website: <http://envfor.nic.in> पद पर उपलब्ध है।