

Correspondence Office :

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Tel.: 0361 2345428/29, 18001233666

E-mail: helpdesk@topcem.in Fax: 03612345419

Email id-qcti@topcem.in

Ref: TI/MEF/0A/19-20/07

Date: 30.11.2019

To,
Member Secretary,
Pollution Control Board, Assam
Bamunimaidam, Guwahati- 21

SUB.: Submission of Post EC Compliance Report for the period of April'2019 to September'2019 in respect of Cement Grinding Unit (OPC/PPC, 0.66 MTPA) at P.O. Gauripur, District Kamrup Rural, Assam


REF.: ENVIRONMENTAL CLEARANCE LETTER F.No. No. J-11011/608/2009-IA II (I), Dated July 22, 2010.
Amendment of Environmental Clearance Letter: No. J-11011/608/2009-IA II (I), Dated 2nd June, 2011.

Respected Sir,

With reference to the Environmental Clearance obtained from MoEF&CC we are hereby enclosing the Six Monthly Compliance Report for the period April'2019 to September'2019 of Environmental Clearance issued to us.

I hope that you will find it in order and do the needful.

Thanking You.
Yours faithfully,
For M/s. Topcem India

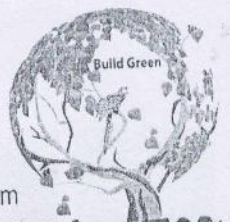


(Partner)

Copy to:

1. The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest & Climate Change,
North Eastern Regional Office
Law-U-Sib, Lumbatngen
Near MTC Workshop, Shillong-793021
2. To The Zonal Office Central Pollution Control Board, Shillong
Sh. Zawthanglien Changsan (Scientist 'E' and Incharge)
"TUM_SIR" Lower Motinagar
Near Fire Brigade H.Q- Shillong-793014

RECEIVED
Pollution Control Board Assam
Bamunimaidam, Guwahati-21
30/11/19



TOPCEM INDIA

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G.S. Road, Guwahati - 781005, Assam

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E-mail: helpdesk@topcem.in Fax: 03612345419

Email id-qcti@topcem.in

Ref: TI/MEF/0A/19-20/06

Date: 30.11.2019

To,
The Zonal Office Central Pollution Control Board, Shillong
Sh. Zawthanglien Changsan (Scientist 'E' and Incharge)
"TUM_SIR" Lower Motinagar
Near Fire Brigade H.Q- Shillong-793014

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Law-U-Sib, Lumbatngen
Near MTC Workshop, Shillong-793021

Central Pollution Control Board
क्षेत्रीय निदेशालय उत्तर पूर्व शिलांग - 781005
Regional Directorate - North East, Shillong - 781005
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत
Ministry of Environment, Forest & Climate Change, Govt. of India

RECEIPT NO. *Pohree*

DATED 17.12.19

Regd. Office : Vill.: Gauripur. P.O.: College Nagar, Mouza: Silasundri Ghopa, Amingaon - 781 031, Dist.: Kamrup, Assam



Ref: TI/MEF/0A/19-20/05

Date: 30.11.2019

To,
The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest & Climate Change,
North Eastern Regional Office
Law-U-Sib, Lumbatngen
Near MTC Workshop, Shillong-793021

SUB.: Submission of Post EC Compliance Report for the period of April'2019 to September'2019 in respect of Cement Grinding Unit (OPC/PPC, 0.66 MTPA) at P.O. Gauripur, District Kamrup Rural, Assam

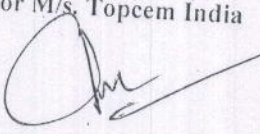
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"TUM_SIR" Lower Motinagar
Near Fire Brigade H.Q- Shillong-793014



ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR PERIOD OF APRIL 2019 TO SEPTEMBER 2019

Project Name

**Cement Grinding Unit (OPC/PPC, 0.66 MTPA) at P.O.
Gauripur, District Kamrup (Rural), Assam**

Submitted By



Prepared by



PROJECT DETAILS

**Name of ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT
Publication FOR PERIOD OF APRIL 2019 TO SEPTEMBER 2019**

Project Number

CONTACT DETAILS

ABC Techno Labs India Pvt Ltd.

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Environmental Clearance Compliance Report (April 2019 to September 2019)

**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR
THE PERIOD OF APRIL 2019 to SEPTEMBER 2019**

Name of The Company : M/s. Topcem India

Project Name : Cement Grinding Unit (OPC/PPC, 0.66 MTPA) at P.O. Gauripur, District Kamrup (Rural), Assam

Environmental Clearance Letter : F.No. J-11011/608/2009-IA II (I), Dated July 22, 2010.

Amendment of Environmental Clearance Letter : F.No. J-11011/608/2009-IA II (I), Dated 2nd June, 2011.

A. Specific conditions:

Sl.No.	Compliance Conditions	Compliance Status
i.	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. Particulate emissions shall be controlled within 30 mg/Nm ³ by installing adequate air pollution control system viz. Bag filters and stacks of adequate height etc. Data on ambient air Quality, fugitive and stack emissions shall be submitted to the Ministry's Regional Office at Shillong, Assam State Pollution Control Board (ASPCB) and CPCB regularly	<ul style="list-style-type: none"> ▪ We have installed online (opacity meter) monitoring device at our Cement mill stack for continuous monitoring of the gaseous emissions. PM data is live on CPCB and ASPCB server (http://202.191.230.91/) ▪ Reverse pulse jet type Bag filters are provided for mill, classifier, silos and Cement packing ventilation to control the particulate emission. Necessary replacement of bags in bag filters is being done whenever required, for controlling of the emission below 30mg/Nm³. Bag filters, stacks of adequate height etc are being maintained. ▪ Monitored data of ambient air, fugitive and stack emission Report is attached as Annexure-I.
ii.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No.: 826(E), dated: 16th November, 2009 should be followed.	We are following the National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No.: 826(E), dated: 16 th November, 2009 and monitoring is carried out accordingly. Other than SO _x , NO _x and PM rest of parameters are found very minute quantity in the air so we are monitoring them once in a year. The report is attached as Annexure-II.
iii.	Gaseous emission levels including secondary fugitive	We are controlling fugitive emission from all the sources within the latest permissible limits

A. Specific conditions:

Sl.No.	Compliance Conditions	Compliance Status
	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>issued by the MoEF&CC guidelines using Bag filters & water sprinkling system and also monitoring the parameters as per guideline.</p> <p>Adequate dust collection and extraction system to control fugitive dust emissions at various transfer points ,raw material handling, bagging and packing areas etc. are already developed. All conveyers are covered with GI sheets.</p> <p>Refer Annexure-I for monitoring data.</p>
iv.	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, 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 stockpile system shall be provided. All conveyers should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials should be provided besides coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.	<ul style="list-style-type: none"> ▪ We have provided adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw material handling, bagging and packing sections etc. All conveyers are covered with GI sheets. All the raw material stock piles are covered by tarpaulins. Finished products are dispatched by covered wagon or truck to stop fugitive emission during transportation. ▪ We have provided 21 numbers of reverse pulse jet type bag filters system in whole plant to control the fugitive emission. Detail of the attached bags is attached as Annexure-II. ▪ Covered storage is provided for fly ash and gypsum. For Clinker RCC Silo is provided. ▪ Belt Conveyors have been using for transporting of raw materials which are covered with GI sheets. ▪ We are receiving fly Ash in bulkers and emptying it in Fly ash silo and fly ash is blending in cement at Ball mill outlet through duct. This is a complete closed circuit process. ▪ We are receiving fly Ash in HDPE bags also and after cutting bags we are feeding the fly ash to hopper through covered belt conveyor.
v.	Asphalting/concreting of roads and water spray all around the stock-yard and	<ul style="list-style-type: none"> ▪ Concreting of road has done and upto 87.5% has covered. We ensure that we have installed in total 90 nubmers of water

A. Specific conditions:

Sl.No.	Compliance Conditions	Compliance Status
	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 PM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Sprinklers around loading/unloading areas, internal roads and near plantation area. The Fugitive emission result on six locations (as mentioned in EIA/EMP report) and collection of PUC certificate data of vehicles entering within the plant are attached with this report as Annexure-I and Annexure-III. The Truck movement Area PM2.5 Test result also included with PUC to monitor the dust concentration at various truck moving area.
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 should not be overloaded. Vehicular emissions shall be regularly monitored.	<p>We have taken all precautions to reduce impact of transport of raw material etc in the surrounding environment including agricultural land. Such as Fly ash is transported in HDPE sealed bags, internal roads of plant are paved and regular sprinkling of water is being done on roads.</p> <p>We have separate parking areas for trucks and PUC certificate of vehicles is checking regularly to control the vehicular emission.</p>
vii.	Total water requirement for cement plant from bore wells shall not exceed 50 m ³ /day. 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 shall be adopted.	<ul style="list-style-type: none"> ▪ We got NOC from Government of India, Central Ground water Authority (CGWA), for extraction ground water upto 60 m³/day. ▪ 15 m³/Day STP treated water is used for plantation and spraying on road to suppress the dust. ▪ Our water requirement does not exceed 75 m³/day. ▪ Being a Zero Discharge unit no waste water is generated. Treated water (approx 15 m³/day) by recycle and reuse of the process water after primary use, is consumed daily for dust suppression and green belt development and other plant related

A. Specific conditions:

Sl.No.	Compliance Conditions	Compliance Status
		<p>activities etc. Sewage Treatment Plant has been constructed and treated waste water reused in gardening and dust suppression.</p> <ul style="list-style-type: none"> ▪ Effluent Treatment Plant has also constructed for recycle water being used in washing of vehicles. ▪ No process water is let to go outside the factory and it is included in recirculation system.
viii.	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.	Rain water harvesting system has been constructed for conservation of rain water and for reducing the consumption of fresh water. Rooftop water is being collected and recharging to the ground. The photos of rain water harvesting have been submitted already with previous Compliance report Oct 17 to Mar18.
ix.	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / reproprocessors only.	<ul style="list-style-type: none"> ▪ All the collected dusts from the pollution control devices is recycled and reused in the cement manufacturing process. Spent oil reused in the plant machineries for lubrication. Damaged HDPE bags are sold to the authorized recyclers/reprocessors. Separate storage room for the spent oil and HDPE bags is constructed with proper identification. ▪ ETP has also constructed near plant workshop.
x.	Green belt shall be developed in an area of 33% of total area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	<p>We have developed the green belt inside the plant premises within 22064 square meters which is 33% of total area of plant, to mitigate the effects of pollution in consultation with local DFO.</p> <p>The copy of letter is already submitted to MoEF Regional Office, Shillong along with compliance report for the period of Oct'2015 to March'2016.</p>
xi.	All the recommendations made in the Chapter on Corporate	All the CREP conditions for the Cement plants are implemented and followed.

A. Specific conditions:

Sl.No.	Compliance Conditions	Compliance Status
	Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.	
xii.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Shillong, ASPCB and CPCB within 3 months of issue of Environment Clearance letter.	Already submitted to Ministry's Regional Office at Shillong, ASPCB and CPCB. Revised Risk and Disaster Management Plan for M/s TOPCEM INDIA is already submitted with compliance report for period of April'17 to Sep'17.
xiii.	At least 5% of the total cost of the project should be earmarked towards the corporate social responsibility and item - wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program should be ensured accordingly in a time bound manner.	Item-wise details along with time bound action plan 2019-20 for period of April 2019 to September 2019 is prepared and accordingly Corporate Social responsibility activities are being followed. The costing details of CSR activities completed in this period are attached as Annexure-IV .
xiv.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, 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.	The company had provided housing facilities for construction labor with all necessary infrastructure and facilities at the time of project work.

B. General conditions:

Sl.No.	Compliance Conditions	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the Assam State Pollution Control Board and the State Government	We are complying with all the stipulation made by the Assam State Pollution Control Board and the State Government. We have obtained Consent to Operate (CTO) for the year 2019-20 from the board under water Act-1974 and Air Act-1981 vide APCB letter no.: WB/GUW/T-1241/PT-I/12-13/246/1508 dated 24/01/19.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Condition is being followed. Prior approval of the Ministry of Environment and Forests will be taken for further expansion or modifications in the plant, if any.
iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th 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.	Condition is being followed. Monitoring reports are enclosed as Annexure-I .
iv.	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, 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 Shillong and the SPCB/CPCB once in six months.	Four ambient air quality monitoring locations are identified in consultation with Pollution Control Board vide Letter no WB/LB-81/Amb/09-10/33/1327 dated 26th August 2011. <ul style="list-style-type: none"> Analysis results on ambient air quality and stack emissions test report are attached as Annexure -I. We are regularly submitting six monthly compliance reports to the Ministry's Regional Office, State pollution control board, Assam and Central Pollution control Board Delhi.
v.	Industrial wastewater shall be properly collected, treated so as to conform to the standards	Being a zero discharge unit no Industrial waste water is generated. We are using Sewage Treatment plant (STP) for treating waste water

B. General conditions:

Sl.No.	Compliance Conditions	Compliance Status
	prescribed under GSR 422 (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.	approx 15 KL daily. The treated wastewater is being used for plantation and other purpose like spraying on roads and dust suppression.
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 (day time) and 70 dBA (night time).	Noise control measure i.e. acoustic hoods, silencers and enclosures have been provided with all sources of noise generation so that noise level in and around the plant remain below 85 dB(A). Noise monitoring reports are enclosed as Annexure-I .
vii.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers is being carried out on regular basis and records are maintained as per the Factories Act. The latest Occupational health surveillance of the workers' Report copies has been already submitted with previous compliance report Oct18 to Mar 19.
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.	Rain water harvesting structure has constructed and we are using it to harvest the rain water during lean season as per direction. The photograph of rain water harvest already submitted with Previous compliance Report (April 2018 to Sep 2018).
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 socio-economic development activities in the surrounding villages like community development	We are complying the protection measures and safeguards recommended in the EIA/EMP report and community development programmes like drinking water supply, etc are initiated in the area. We are undertaking socio-economic development activities in the surrounding villages. We supply drinking water to near by village. Some of the newspaper advertised copy is

B. General conditions:

Sl.No.	Compliance Conditions	Compliance Status
	programmes, educational programmes, drinking water supply and health care etc.	already submitted with previous compliance.
x.	Requisite amount of funds shall be earmarked for the 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 Shillong. The funds so provided shall not be diverted for any other purpose.	The fund expenses for environment pollution control measures in FY 2019-20 for period of April 2019 to September 2019 as per EC granted by MOEF is attached here as Annexure-V . Implementation schedule for implementing all conditions stipulated has already submitted to Regional Office of the Ministry of Environment and Forest at Shillong.
xi.	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.	No such suggestions/ representations from concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO were received while processing the proposal. The clearance letter is uploaded on our company website i.e www.topcem.in
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Shillong. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx	<ul style="list-style-type: none"> Status of the compliance of the stipulated environment clearance condition including monitoring data are uploaded in our website i.e. www.topcem.in and also sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the ASPCB. We are displaying critical pollutants (ambient as well as stack emissions) near our Main gate of Plant.

B. General conditions:

Sl.No.	Compliance Conditions	Compliance Status
	(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.	
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 this Ministry at Shillong/ CPCB / SPCB shall monitor the stipulated conditions.	We are regularly submitting six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data as stipulated. Last EC Compliance report for the period October'2018 to March'2019 was submitted vide letter no. TI/MEF/0A/19-20/02 dated 29 th May 2019 at MOEF office Shillong, Letter no. TI/MEF/0A/03 dated 29 th May 2019 at CPCB Zonal Office, and Letter no. TI/MEF/0A/19-20/04 dated 29 th May 2019 at PCB, Assam.
xiv.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Shillong by e-mail.	The environmental statements for year ending March 2019 was submitted vide our letter No.TI/MEF/0A/18-19/01 dtd 26 th April 2019 to Pollution Control Board Assam and Regional Office of the MoEF Shillong.
xv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the	We have followed the condition as directed.

B. General conditions:

Sl.No.	Compliance Conditions	Compliance Status
	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 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 Shillong.	
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	We have followed the condition and informed to the Ministry's regional Office, Shillong.
xvii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	We are agreed with the condition and assure that we are implementing the condition.
xviii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	We are agreed with the condition and assure that we are implementing the condition.
xix.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act-	We are agreed with the condition and assure that we are implementing the condition.

B. General conditions:

Sl.No.	Compliance Conditions	Compliance Status
	1997.	
xx.	The above condition shall be enforced, inter alia under the provisions of the Water Act-1974, Air Act-1981 and Hazardous Waste (M&H) and Transboundry movement Rules-2008 and the Public (Insurance) Liability Act-1991 along with their amendments and Rules.	We are agreed with the condition and assure that we are implementing the condition.



ANNEXURE-I

MONITORING REPORTS OF AMBIENT AIR QUALITY, AMBIENT NOISE, STACK EMISSION AND FUGITIVE EMISSION

Issued to :

M/s Topcem India
Gauripur, North Guwahati
Dist.:Kamrup(R),Assam



ABC Techno Labs®

India Private Limited

Corporate Office & Lab :
ABC TOWER
#400, 13th Street,
SIDCO Industrial Estate - North Phase,
Ambattur, Chennai - 600 098.
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Helpline : +91 94442 60000, 95661 87777



lab@abctechnolab.com
www.abctechnolab.com

(An ISO : 9001, ISO : 14001, ISO : 22000 & ISO : 45001 Certified Company)

ACCREDITED BY NABL, ISO/IEC 17025 : 2005, QUALITY COUNCIL OF INDIA
RECOGNISED BY MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE (MoEFCC), GOVERNMENT OF INDIA
&
NOTIFIED BY FOOD SAFETY STANDARDS AND AUTHORITY OF INDIA (FSSAI)

TEST REPORT

Report number	:	ABCTL/2019/09/IAQ/ A1-A6
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Fugitive Emission Monitoring
Date of sampling	:	25-09-2019 to 26-09-2019
Report date	:	11-10-2019

Page 1 of 1

SL.No.	Date of Sampling	Location/ Source	Fugitive (PM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	25/09/19	Near Main Gate	1021.15	-Water spraying is done to control the fugitive emission.
ii)		Near Fly Ash Yard	989.51	
iii)		Near Packing Loading Area	1398.23	
iv)	26/09/19	Near Packing Area	1255.43	-All materials are stored in closed sheds to mitigate fugitive emission.
v)		Near Bag Filter	430.43	
vi)		Near Truck Tippler	1146.12	

Method: IS 5182

.....End of Report.....




A. Robson Chinnadurai
Technical Manager

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- The test report shall not be reproduced in full or part without the written approval of ABC.
- The laboratory's responsibility under this report is limited to proven wilful negligence and will in no case be more than the invoiced amount.
- The test report is issued for the purpose of identifying the characteristic and not intended to use for any publicity / litigation purpose.

Issued to :

M/s Topcem India
Gauripur, North Guwahati
Dist.:Kamrup(R),Assam



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India Private Limited

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NOTIFIED BY FOOD SAFETY STANDARDS AND AUTHORITY OF INDIA (FSSAI)

TEST REPORT

Report number	:	ABCTL/2019/09/ A1-A4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Air Quality Monitoring
Date of sampling	:	25-09-2019 to 26-09-2019
Analysis commenced on	:	28-09-2019
Analysis Completed on	:	04-10-2019
Report date	:	11-10-2019

Page 1 of 1

SL. NO.	Date of sampling	Location/source	Weather	Parameters			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO _x (µg/m ³)	SO ₂ (µg/m ³)
i)	25/09/19	Near highways & Truck parking	Clear	58.9	37.2	14.1	6.1
ii)		Near workshop & staff quarter		49.1	30.4	13.9	4.1
iii)	26/09/19	Near Switch yard		48.9	29.1	12.8	5.1
iv)		Near Truck Tippler		61.2	35.4	14.9	7.1

Remarks:-All parameters are within the permissible limit. Method: IS 5182, EPA- 40 Appendix L To Part 50
National Ambient Air Quality Standards:

Sl. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air
			Industrial, Residential, Rural and other area
1	Sulphur Dioxide SO ₂ (µg/m ³)	Annual	50
		24 Hours	80
2	Nitrogen Dioxide (NO _x) (µg/m ³)	Annual	40
		24 Hours	80
3	Particulate Matter PM ₁₀ (µg/m ³)	Annual	60
		24 Hours	100
4	Particulate Matter PM _{2.5} (µg/m ³)	Annual	40
		24 Hours	60

.....End of Report.....



[Signature]
A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/10/ A1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Air Quality Monitoring
Date of sampling	:	09-10-2019 to 10-10-2019
Analysis commenced on	:	14-10-2019
Analysis Completed on	:	17-10-2019
Report date	:	18-10-2019

Page 1 of 1

SL. NO.	Location/source	Weather	Parameters			
			PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO _x (µg/m ³)	SO ₂ (µg/m ³)
i)	Near workshop & staff quarter	Clear	59.3	31.4	10.4	5.4

Remarks:-All parameters are within the permissible limit. Method: IS 5182, EPA- 40 Appendix L To Part 50

National Ambient Air Quality Standards:

Sl. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air
			Industrial, Residential, Rural and other area
1	Sulphur Dioxide SO ₂ (µg/m ³)	Annual	50
		24 Hours	80
2	Nitrogen Dioxide (NO _x) (µg/m ³)	Annual	40
		24 Hours	80
3	Particulate Matter PM ₁₀ (µg/m ³)	Annual	60
		24 Hours	100
4	Particulate Matter PM _{2.5} (µg/m ³)	Annual	40
		24 Hours	60

.....End of Report.....



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/04/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	24-04-2019 & 25-04-2019
Report date	:	29-04-2019

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	68.2
N2	Near Workshop & Staff Quarter	67.9
N3	Near Packing Plant	70.1
N4	Near Cement Mill	71.5

Remarks: Noise level are carried out during day time.

Method: IS: 9989-1981(Reaff: 2014)

Ambient Noise Standard

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

.....End of Report.....




A. Robson Chinnadurai
Technical Manager

29/04/19

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TEST REPORT

Report number	:	ABCTL/2019/05/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	22-05-2019 & 23-05-2019
Report date	:	27-05-2019

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	69.1
N2	Near Workshop & Staff Quarter	68.6
N3	Near Packing Plant	71.1
N4	Near Cement Mill	71.9

Remarks: Noise level are carried out during day time.

Method: IS: 9989-1981(Reaff: 2014)

Ambient Noise Standard

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

.....End of Report.....



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager
22/05/19

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TEST REPORT

Report number	:	ABCTL/2019/06/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	20-06-2019 & 21-06-2019
Report date	:	24-06-2019

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	68.9
N2	Near Workshop & Staff Quarter	69.2
N3	Near Packing Plant	71.6
N4	Near Cement Mill	71.8

Remarks: Noise level are carried out during day time.

Method: IS: 9989-1981(Reaff: 2014)

Ambient Noise Standard

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/07/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	18-07-2019 & 19-07-2019
Report date	:	22-07-2019

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	68.1
N2	Near Workshop & Staff Quarter	67.9
N3	Near Packing Plant	71.9
N4	Near Cement Mill	71.4

Remarks: Noise level are carried out during day time.

Method: IS: 9989-1981(Reaff: 2014)

Ambient Noise Standard

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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TEST REPORT

Report number	:	ABCTL/2019/08/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	15-08-2019 & 16-08-2019
Report date	:	19-08-2019

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	67.4
N2	Near Workshop & Staff Quarter	66.9
N3	Near Packing Plant	69.4
N4	Near Cement Mill	70.3

Remarks: Noise level are carried out during day time.

Method: IS: 9989-1981(Reaff: 2014)

Ambient Noise Standard

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

.....End of Report.....



A. Robson Chinnadurai
19/08/19

A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/09/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	19-09-2019 & 20-09-2019
Report date	:	26-09-2019

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	69.1
N2	Near Workshop & Staff Quarter	68.7
N3	Near Packing Plant	70.9
N4	Near Cement Mill	71.3

Remarks: Noise level are carried out during day time.

Method: IS: 9989-1981(Reaff: 2014)

Ambient Noise Standard

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

.....End of Report.....



A. Robson Chinnadurai
26/09/19

A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/04/ S /N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Noise Level Monitoring -DG set
Date of sampling	:	24-04-2019 & 25-04-2019
Report date	:	29-04-2019

Page 1 of 1

S. No.	Location	Noise Level [dB(A)]Leq 1 m distance from acoustic enclosure Closed
N1	1500 KVA DG Set-1	69.9
N2	1500 KVA DG Set-2	70.4
N3	1500 KVA DG Set-3	69.5
N4	1500 KVA DG Set-4	68.9

Method: IS: 4758-1968(Reaff: 2017)-Source

.....End of Report.....



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A. Robson Chinnadurai
Technical Manager

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Sample description	:	Source Noise Level Monitoring -DG set
Date of sampling	:	22-05-2019 & 23-05-2019
Report date	:	27-05-2019

Page 1 of 1

S. No.	Location	Noise Level [dB(A)]Leq
		1 m distance from acoustic enclosure Closed
N1	1500 KVA DG Set-1	71.8
N2	1500 KVA DG Set-2	70.6
N3	1500 KVA DG Set-3	69.9
N4	1500 KVA DG Set-4	70.6

Method: IS: 4758-1968(Reaff: 2017)-Source

.....End of Report.....



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Technical Manager

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S. No.	Location	Noise Level [dB(A)]Leq
		1 m distance from acoustic enclosure Closed
N1	1500 KVA DG Set-1	70.1
N2	1500 KVA DG Set-2	69.8
N3	1500 KVA DG Set-3	69.2
N4	1500 KVA DG Set-4	69.8

Method: IS: 4758-1968(Reaff: 2017)-Source

.....End of Report.....



[Signature]
24/06/19

A. Robson Chinnadurai
Technical Manager

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Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Noise Level Monitoring -DG set
Date of sampling	:	18-07-2019 & 19-07-2019
Report date	:	22-07-2019

Page 1 of 1

S. No.	Location	Noise Level [dB(A)]Leq 1 m distance from acoustic enclosure Closed
N1	1500 KVA DG Set-1	71.1
N2	1500 KVA DG Set-2	70.4
N3	1500 KVA DG Set-3	71.3
N4	1500 KVA DG Set-4	69.2

Method: IS: 4758-1968(Reaff: 2017)-Source

.....End of Report.....




A. Robson Chinnadurai
Technical Manager

22/07/19



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TEST REPORT

Report number	:	ABCTL/2019/08/ N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Noise Level Monitoring -DG set
Date of sampling	:	15-08-2019 & 16-08-2019
Report date	:	19-08-2019


Page 1 of 1

S. No.	Location	Noise Level [dB(A)]Leq
		1 m distance from acoustic enclosure Closed
N1	1500 KVA DG Set-1	70.9
N2	1500 KVA DG Set-2	71.2
N3	1500 KVA DG Set-3	72.1
N4	1500 KVA DG Set-4	72.6

Method: IS: 4758-1968(Reaff: 2017)-Source

.....End of Report.....




A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/09/ N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Noise Level Monitoring -DG set
Date of sampling	:	19-09-2019 & 20-09-2019
Report date	:	26-09-2019

Page 1 of 1

S. No.	Location	Noise Level [dB(A)]Leq
		1 m distance from acoustic enclosure Closed
N1	1500 KVA DG Set-1	71.9
N2	1500 KVA DG Set-2	70.5
N3	1500 KVA DG Set-3	71.8
N4	1500 KVA DG Set-4	69.1

Method: IS: 4758-1968(Reaff: 2017)-Source

.....End of Report.....



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/04/DG/STK/ S1-S4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	24-04-2019 & 25-04-2019
Report date	:	29-04-2019

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm ³)
24-04-2019	Stack attached to DG Set 1500 KVA - 1	46.1
24-04-2019	Stack attached to DG Set 1500 KVA - 2	48.8
25-04-2019	Stack attached to DG Set 1500 KVA - 3	49.9
25-04-2019	Stack attached to DG Set 1500 KVA - 4	48.1
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/05/DG/STK/ S1-S4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	22-05-2019 & 23-05-2019
Report date	:	27-05-2019

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm ³)
22-05-2019	Stack attached to DG Set 1500 KVA - 1	47.4
22-05-2019	Stack attached to DG Set 1500 KVA - 2	47.6
23-05-2019	Stack attached to DG Set 1500 KVA - 3	46.3
23-05-2019	Stack attached to DG Set 1500 KVA - 4	48.7
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



[Signature]
A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/06/DG/STK/ S1-S4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	20-06-2019 & 21-06-2019
Report date	:	24-06-2019

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm ³)
20-06-2019	Stack attached to DG Set 1500 KVA - 1	46.2
20-06-2019	Stack attached to DG Set 1500 KVA - 2	45.7
21-06-2019	Stack attached to DG Set 1500 KVA - 3	46.1
21-06-2019	Stack attached to DG Set 1500 KVA - 4	47.1
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



A. Robson Chinnadurai
A. Robson Chinnadurai
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Report number	:	ABCTL/2019/07/DG/STK/ S1-S4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	18-07-2019 & 19-07-2019
Report date	:	22-07-2019

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm ³)
18-07-2019	Stack attached to DG Set 1500 KVA - 1	45.9
18-07-2019	Stack attached to DG Set 1500 KVA - 2	47.1
19-07-2019	Stack attached to DG Set 1500 KVA - 3	49.7
19-07-2019	Stack attached to DG Set 1500 KVA - 4	48.5
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

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Report number	:	ABCTL/2019/08/DG/STK/ S1-S4
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Sample description	:	Source Emission Monitoring
Date of sampling	:	15-08-2019 & 16-08-2019
Report date	:	19-08-2019

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm ³)
15-08-2019	Stack attached to DG Set 1500 KVA - 1	47.9
15-08-2019	Stack attached to DG Set 1500 KVA - 2	46.9
16-08-2019	Stack attached to DG Set 1500 KVA - 3	50.2
16-08-2019	Stack attached to DG Set 1500 KVA - 4	50.8
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



[Signature]
A. Robson Chinnadurai
Technical Manager

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Report number	:	ABCTL/2019/09/DG/STK/ S1-S4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	19-09-2019 & 20-09-2019
Report date	:	26-09-2019

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm ³)
19-09-2019	Stack attached to DG Set 1500 KVA - 1	48.9
19-09-2019	Stack attached to DG Set 1500 KVA - 2	50.7
20-09-2019	Stack attached to DG Set 1500 KVA - 3	51.1
20-09-2019	Stack attached to DG Set 1500 KVA - 4	51.3
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



J. Robson Chinnadurai
26/09/19
A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/04/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	24-04-2019
Report date	:	29-04-2019

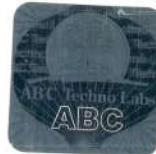
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S.No	Stack Description	PM (mg/Nm ³)	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)
1	Stack attached to Cement Mill	14.7	Not Detected	Not Detected
MoEF Standards		30	Not Specified	Not Specified

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser

REMARKS: -Production capacity of the cement plant is 0.66 MTPA.
Bag filter is attached to Cement mill.

....End of Report....



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager
29/04/19

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TEST REPORT

Report number	:	ABCTL/2019/05/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	22-05-2019
Report date	:	27-05-2019

Page 1 of 1

S.No	Stack Description	PM (mg/Nm ³)	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)
1	Stack attached to Cement Mill	15.1	Not Detected	Not Detected
MoEF Standards		30	Not Specified	Not Specified

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser

REMARKS: -Production capacity of the cement plant is 0.66 MTPA.

Bag filter is attached to Cement mill.

....End of Report....



[Signature]
22/05/19

A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/06/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	20-06-2019
Report date	:	24-06-2019

Page 1 of 1

S.No	Stack Description	PM (mg/Nm ³)	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)
1	Stack attached to Cement Mill	15.6	Not Detected	Not Detected
MoEF Standards		30	Not Specified	Not Specified

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser

REMARKS: -Production capacity of the cement plant is 0.66 MTPA.

Bag filter is attached to Cement mill.

....End of Report....



[Signature]
24/06/19

A. Robson Chinnadurai
Technical Manager

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TEST REPORT

Report number	:	ABCTL/2019/07/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	18-07-2019
Report date	:	22-07-2019

Page 1 of 1

S.No	Stack Description	PM (mg/Nm ³)	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)
1	Stack attached to Cement Mill	14.9	Not Detected	Not Detected
MoEF Standards		30	Not Specified	Not Specified

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser

REMARKS: -Production capacity of the cement plant is 0.66 MTPA.

Bag filter is attached to Cement mill.

....End of Report....



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NOTIFIED BY FOOD SAFETY STANDARDS AND AUTHORITY OF INDIA (FSSAI)

TEST REPORT

Report number	:	ABCTL/2019/08/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	15-08-2019
Report date	:	19-08-2019

Page 1 of 1

S.No	Stack Description	PM (mg/Nm ³)	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)
1	Stack attached to Cement Mill	15.2	Not Detected	Not Detected
MoEF Standards		30	Not Specified	Not Specified

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser

REMARKS: -Production capacity of the cement plant is 0.66 MTPA.

Bag filter is attached to Cement mill.

....End of Report....



A. Robson Chinnadurai
A. Robson Chinnadurai
Technical Manager

Terms and conditions :

- The test results relate only to the items tested.
- The test report shall not be reproduced in full or part without the written approval of ABC.
- The laboratory's responsibility under this report is limited to proven wilful negligence and will in no case be more than the invoiced amount.
- The test report is issued for the purpose of identifying the characteristic and not intended to use for any publicity / litigation purpose.

Issued to :

M/s Topcem India
Gauripur, North Guwahati
Dist.:Kamrup(R),Assam



ABC Techno Labs[®]

India Private Limited

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#400, 13th Street,
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(An ISO : 9001, ISO : 14001, ISO : 22000 & ISO : 45001 Certified Company)

ACCREDITED BY NABL, ISO/IEC 17025 : 2005, QUALITY COUNCIL OF INDIA
RECOGNISED BY MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE (MoEFCC), GOVERNMENT OF INDIA
&
NOTIFIED BY FOOD SAFETY STANDARDS AND AUTHORITY OF INDIA (FSSAI)

TEST REPORT

Report number	:	ABCTL/2019/09/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	19-09-2019
Report date	:	26-09-2019

Page 1 of 1

S.No	Stack Description	PM (mg/Nm ³)	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)
1	Stack attached to Cement Mill	16	Not Detected	Not Detected
MoEF Standards		30	Not Specified	Not Specified

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser

REMARKS: -Production capacity of the cement plant is 0.66 MTPA.

Bag filter is attached to Cement mill.

....End of Report....



[Signature]
A. Robson Chinnadurai
Technical Manager

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***ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR
PERIOD OF APRIL 2019 TO SEPTEMBER 2019***

ANNEXURE-II

DETAILS OF BAGFILTERS

POWER CONSUMPTION / COST			FY-2019-20 (Six month)			
Sl no	BAG FILTER REPORT		KWH/ DAY	KWH / MONTH	AVG. UNIT	AMOUNT
1	BAG FILTER LOCATION	TRUCK TRIPPLER	88	2640	7.59	20037.6
	BAG FILTE CODE	491 BF1				
	BAG LENGTH	3660 MM				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	72 NOS				
	FLOW CAPACITY	10000 (AM ³ /HR)				
	NO OF CHAMBER					
2	BAG FILTER LOCATION	TRUCK TRIPPLER	88	2640	7.59	20037.6
	BAG FILTE CODE	491 BF2				
	BAG LENGTH	3660 MM				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	72 NOS				
	FLOW CAPACITY	10000 (AM ³ /HR)				
3	BAG FILTER LOCATION	CLINKER STORAGE SILO TOP.	88	2640	7.59	20037.6
	BAG FILTE CODE	491 BF3				
	BAG LENGTH	3660 MM				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	72 NOS				
	FLOW CAPACITY	10000 (AM ³ /HR)				
4	BAG FILTER LOCATION	CLINKER EXTRACTION BELT CONVEYOR 511 BC3	104	3120	7.59	23680.8
	BAG FILTE CODE	511 BF1				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø.				
	TOTAL NO OF BAGS	96 NOS.				
	FLOW CAPACITY	12000 (AM ³ /HR)				
5	BAG FILTER LOCATION	GYP SUM STORAGE SHED.	43.8	1314	7.59	9973.26
	BAG FILTE CODE	K21 BF1				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	36 NOS.				
	FLOW CAPACITY	5000 (AM ³ /HR)				
6	BAG FILTER LOCATION	GYP SUM CRUSHRE HOUSE.	66	1980	7.59	15028.2
	BAG FILTE CODE	K21 BF2				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	72 NOS.				
	FLOW CAPACITY	10000 (AM ³ /HR)				
7	BAG FILTER LOCATION	CEMENT MILL HOPPER.	116.8	3504	7.59	26595.36
	BAG FILTE CODE	531 BF1				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	112 NOS.				
	FLOW CAPACITY	15000 (AM ³ /HR)				
8	BAG FILTER LOCATION	CEMENT MILL HOPPER WEIGH FEEDER.	110	3300	7.59	25047
	BAG FILTE CODE	531 BF2				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	112 NOS.				
	FLOW CAPACITY	15000 (AM ³ /HR)				
9	BAG FILTER LOCATION	CEMENT MILL HOUSE.	146	4380	7.59	33244.2
	BAG FILTE CODE	561 BF2				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	112 NOS.				
	FLOW CAPACITY	15000 (AM ³ /HR)				
10	BAG FILTER LOCATION	CEMENT MILL HOUSE.	97.5	2925	7.59	22200.75
	BAG FILTE CODE	561 BF1				
	BAG LENGTH	3665 MM.				
	BAG DIA	149Ø				
	TOTAL NO OF BAGS	396 NOS.				
	FLOW CAPACITY	41000 (AM ³ /HR)				
11	BAG FILTER LOCATION	STEEL SILO TOP.	132	3960	7.59	30056.4
	BAG FILTE CODE	591 BF3				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	36 NOS.				
	FLOW CAPACITY	5000 (AM ³ /HR)				
12	BAG FILTER LOCATION	RCC CEMENT SILO TOP.	132	3960	7.59	30056.4
	BAG FILTE CODE	591 BF1				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	36 NOS.				
	FLOW CAPACITY	5000 (AM ³ /HR)				
13	BAG FILTER LOCATION	AIR SLIDE DEDUSTING	97.6	2928	7.59	19946.52
	BAG FILTE CODE	611 BF1				
	BAG LENGTH	3660 MM.				

	BAG DIA	160Ø	87.6	2628	7.59	19946.52
	TOTAL NO OF BAGS	36 NOS.				
	FLOW CAPACITY	5000 (AM ³ /HR)				
14	BAG FILTER LOCATION	AIR SLIDE DEDUSTING	87.6	2628	7.59	19946.52
	BAG FILTE CODE	611 BF3				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø	87.6	2628	7.59	19946.52
	TOTAL NO OF BAGS	36 NOS.				
	FLOW CAPACITY	5000 (AM ³ /HR)				
	NO OF CHAMBER		87.6	2628	7.59	19946.52
	BAG FILTER LOCATION	AIR SLIDE DEDUSTING				
	BAG FILTE CODE	611 BF4				
15	BAG LENGTH	3660 MM.	87.6	2628	7.59	19946.52
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	36 NOS.				
	FLOW CAPACITY	5000 (AM ³ /HR)	87.6	2628	7.59	19946.52
	NO OF CHAMBER					
	BAG FILTER LOCATION	PACKER DEDUSTING				
16	BAG FILTE CODE	661 BF1	156	4680	7.59	35521.2
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	96 NOS.	156	4680	7.59	35521.2
	FLOW CAPACITY	12000 (AM ³ /HR)				
	NO OF CHAMBER					
17	BAG FILTER LOCATION	PACKER DEDUSTING	240	7200	7.59	54648
	BAG FILTE CODE	661 BF2				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø	240	7200	7.59	54648
	TOTAL NO OF BAGS	144 NOS.				
	FLOW CAPACITY	20000 (AM ³ /HR)				
18	BAG FILTER LOCATION	PACKER DEDUSTING	156	4680	7.59	35521.2
	BAG FILTE CODE	662 BF1				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø	156	4680	7.59	35521.2
	TOTAL NO OF BAGS	96 NOS.				
	FLOW CAPACITY	12000 (AM ³ /HR)				
	NO OF CHAMBER		156	4680	7.59	35521.2
	BAG FILTER LOCATION	PACKER DEDUSTING				
	BAG FILTE CODE	662 BF2				
19	BAG LENGTH	3660 MM.	240	7200	7.59	54648
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	144 NOS.				
	FLOW CAPACITY	20000 (AM ³ /HR)	240	7200	7.59	54648
	NO OF CHAMBER					
	BAG FILTER LOCATION	SFM BIN DEDUSTING				
20	BAG FILTE CODE	541BF2	60	1800	7.59	13662
	BAG LENGTH	1000MM				
	BAG DIA	160Ø				
	TOTAL NO OF BAGS	16 NOS.	60	1800	7.59	13662
	FLOW CAPACITY	250 (AM ³ /HR)				
	NO OF CHAMBER	1 NO				
21	BAG FILTER LOCATION	FLYASH SILO DEDUSTING	40	1200	7.59	9108
	BAG FILTE CODE	541BF1				
	BAG LENGTH	3660 MM.				
	BAG DIA	160Ø	40	1200	7.59	9108
	TOTAL NO OF BAGS	60 NOS.				
	FLOW CAPACITY	7500 (AM ³ /HR)				
	NO OF CHAMBER	2 NOS	40	1200	7.59	9108
	TOTAL KWH / MONTH	71607				
	TOTAL KWH / SIXTH	429642				



ANNEXURE-III POLLUTION UNDER CONTROL CERTIFICATES (PUC) OF VEHICLES

M/S TOPCEM INDIA							
PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testing of PM2.5 at Truck movement
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			µgm/m3
				CO%	HC(ppm)	SD(HSU)	
	1-Sep-19	4	AS01DD-1335	-	-	33.66	31.36
	1-Sep-19		AS-01BC-4537	-	-	47.53	
	1-Sep-19		AS-01EC-4737	-	-	40.66	
	1-Sep-19		NL01K-8714	-	-	38.20	
	2-Sep-19	4	AS-01FC-6961	-	-	33.25	
	2-Sep-19		AS-01AC-0911	-	-	61.80	
	2-Sep-19		AS-01EC-0657	-	-	61.17	
	2-Sep-19		AS-01C-3151	-	-	21.30	
	3-Sep-19	5	AS01CC-4259	-	-	45.90	
	3-Sep-19		AS-01DD-2557	-	-	17.00	
	3-Sep-19		AS-01DD-1299	-	-	62.70	
	3-Sep-19		AS01BC-1055	-	-	31.00	
	3-Sep-19		AP28TE-6225	-	-	53.20	
	4-Sep-19	4	AS-01FC-6225	-	-	30.20	
	4-Sep-19		AS01CC-8579	-	-	61.80	
	4-Sep-19		TR01AB-1622	-	-	38.20	
	4-Sep-19		AS-01GC-8855	-	-	61.17	
	5-Sep-19	5	AS-01EC-0135	-	-	30.20	
	5-Sep-19		AS-01AC-7071	-	-	47.53	
	5-Sep-19		NL-01K-1761	-	-	30.20	
	5-Sep-19		AS01DD-1278	-	-	30.20	
	5-Sep-19		AS-01DC-9732	-	-	45.80	
	6-Sep-19	5	AS-01AC-7071	-	-	47.20	
	6-Sep-19		RJ18GA-2905	-	-	49.50	
	6-Sep-19		AS01GC-9009	-	-	23.40	
	6-Sep-19		AS01EC-2197	-	-	61.20	
	6-Sep-19		AS-01CC-4061	-	-	47.53	
	7-Sep-19	4	AS01DC-9723	-	-	65.10	
	7-Sep-19		AS01DC-9345	-	-	55.10	
	7-Sep-19		AS01BC-7588	-	-	51.86	
	7-Sep-19		AS-01EC-2197	-	-	22.66	
	8-Sep-19	4	AS-01FC-7312	-	-	15.70	
	8-Sep-19		AS01GC-6651	-	-	53.20	
	8-Sep-19		AS-01EC-6272	-	-	47.53	
	8-Sep-19		AS-01DD-5213	-	-	47.53	
	9-Sep-19	4	AS0-1BC-6598	-	-	29.87	
	9-Sep-19		NL-01L-0365	-	-	23.40	
	9-Sep-19		AS01BC-2781	-	-	44.28	
	9-Sep-19		NL-01Q-8581	-	-	61.17	
	10-Sep-19		AS-25CC-3200	-	-	61.12	
	10-Sep-19		AS-01GC-6392	-	-	61.17	
	10-Sep-19		AS01FC-0129	-	-	40.70	

Sep-19	10-Sep-19	4	AS01FC-9437	-	-	30.20	30.52
	11-Sep-19		AS-01AC-2395	-	-	30.20	
	11-Sep-19		AS01DC-9309	-	-	38.90	
	11-Sep-19		AP-16TJ-0186	-	-	15.90	
	11-Sep-19		AS01EC-2197	-	-	36.30	
	11-Sep-19	5	RJ18GA-2905	-	-	41.20	
	12-Sep-19		AS01CC-8496	-	-	22.60	
	12-Sep-19		AS-01CC-7667	-	-	29.40	
	12-Sep-19		UP32DN-4494	-	-	32.40	
	12-Sep-19	4	AS-01EC-0135	-	-	41.10	
	13-Sep-19		AS01CC-8496	-	-	26.80	
	13-Sep-19		AS-01DC-9732			27.10	
	13-Sep-19		AS-01CC-7667			30.10	
	13-Sep-19		AS-01FC-5275			23.60	
	13-Sep-19	5	NL-01K-1761	-	-	42.10	
	14-Sep-19		AS-01AC-7071	-	-	56.10	
	14-Sep-19		TR-01K-1728	-	-	59.10	
	14-Sep-19		AS-01GC-8855	-	-	28.10	
	14-Sep-19		TR01AB-1622	-	-	16.40	
	14-Sep-19	5	AS01CC-8579	-	-	28.11	
	15-Sep-19		AS-01EC-9476	-	-	42.10	33.26
	15-Sep-19		AS-01FC-6225	-	-	56.00	
	15-Sep-19		AS-01FC-7429	-	-	47.53	
	15-Sep-19	4	AP28TE-6224	-	-	35.85	
	16-Sep-19		AS-01DD-0747	-	-	38.20	
	16-Sep-19		AS-01EC-2678	-	-	33.25	
	16-Sep-19		AS-01EC-9417	-	-	49.50	
	16-Sep-19	4	AS01BC-1055	-	-	54.80	
	17-Sep-19		AS01DC-0789	-	-	47.53	
	17-Sep-19		AS-01DD-2557	-	-	55.82	
	17-Sep-19		AS01CC-4259	-	-	15.60	
	17-Sep-19	4	AS-01C-3151	-	-	47.53	
	18-Sep-19		AS-01EC-0657	-	-	30.20	
	18-Sep-19		NL02N-0433	-	-	42.82	
	18-Sep-19		NL01K-7665	-	-	23.40	
	18-Sep-19	4	AS-01AC-0911	-	-	4.50	
	19-Sep-19		AS01CC-2590	-	-	47.53	
	19-Sep-19		AS-01FC-6961	-	-	30.00	
	19-Sep-19		NL01K-8714	-	-	24.60	
	19-Sep-19	4	AS01DD-2058	-	-	43.80	
	20-Sep-19		AS-01DD-9886	-	-	61.80	
	20-Sep-19		AS01AC-5159			38.20	
	20-Sep-19		AS-01AC-7021			3.50	
	20-Sep-19		AS01BC-2351	-	-	49.50	
	20-Sep-19	5	AS-01BC-4537	-	-	42.82	
	21-Sep-19		AS01DD-1335	-	-	47.53	
	21-Sep-19		AS-01DD-2155	-	-	42.82	
	21-Sep-19		AS-01FC-9731	-	-	55.82	
	21-Sep-19	4	AS-01BC-2351	-	-	61.17	
	22-Sep-19		AS-01EC-0373	-	-	57.68	

22-Sep-19		AS01FC-0129	-	-	47.53
22-Sep-19		AS-01DC-9791	-	-	57.68
22-Sep-19		AS-25CC-3200	-	-	51.86
22-Sep-19	5	NL-01Q-8581	-	-	42.82
23-Sep-19		AS01AC-9441	-	-	47.53
23-Sep-19		AS01BC-2781	-	-	61.17
23-Sep-19		AS-01GC-0155	-	-	57.68
23-Sep-19	4	NL-01L-0365	-	-	51.86
24-Sep-19		AS-01AC-8113	-	-	42.82
24-Sep-19		AS-01DC-1525	-	-	47.53
24-Sep-19		AS-01DD-5213	-	-	47.53
24-Sep-19	4	AS-01FC-9906	-	-	42.82
25-Sep-19		AS-01EC-9286	-	-	55.82
25-Sep-19		AP16TH-7677	-	-	61.17
25-Sep-19		AS01DD-9576	-	-	57.68
25-Sep-19	4	AS01FC-1677	-	-	57.68
26-Sep-19		AS01BC-7588	-	-	51.86
26-Sep-19		AS01DC-9345	-	-	30.20
26-Sep-19		AS01DC-9309	-	-	30.20
26-Sep-19	4	AS01DC-9723	-	-	56.70
27-Sep-19		AP-16TJ-0186	-	-	51.06
27-Sep-19		AS01CC-4911	-	-	30.20
27-Sep-19		AS01GC-5244	-	-	47.53
27-Sep-19		NL01D-3840	-	-	46.30
27-Sep-19	5	AP-07TJ-0369	-	-	33.60
28-Sep-19		AS01CC-8496	-	-	13.50
28-Sep-19		AS-01DC-9732	-	-	38.20
28-Sep-19		AS01DD-1278	-	-	57.33
28-Sep-19		NL-01K-1761	-	-	57.68
28-Sep-19	5	UP32DN-4494	-	-	49.50
29-Sep-19		AS-01DD-2058	-	-	52.10
29-Sep-19		TR-01K-1728	-	-	57.68
29-Sep-19		AS-01GC-8855	-	-	11.06
29-Sep-19	4	TR01AB-1622	-	-	38.20
30-Sep-19		AS01CC-8579	-	-	31.40
30-Sep-19		AS-01EC-9476	-	-	32.60
30-Sep-19		AS-01FC-7035	-	-	36.40
30-Sep-19	4	AP28TE-6224	-	-	42.10

28.22



***ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR
PERIOD OF APRIL 2019 TO SEPTEMBER 2019***

ANNEXURE-IV ONLINE STACK EMISSION REPORT



**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR
PERIOD OF APRIL 2019 TO SEPTEMBER 2019**

TOPCEM INDIA Gauripur

ONLINE OPACITY METER READING MONTH WISE

APR,2019

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.07	0.80	14.80

MAY,2019

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.10	0.80	14.80

JUN,2019

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.52	0.80	15.00

JUL,2019

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.13	0.3	15

AUG,2019

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.62	0.60	15.20

SEP,2019

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.58	1.30	15.60



ANNEXURE-V

ITEM WISE COST OF CSR ACTIVITIES

April 2019-September 2019

M/s TOPCEM INDIA
VILL-GAURIPUR,KAMRUP,ASSAM

Item-wise Corporate Social Responsibility details along
with costing

For FY 2019-20(April to Sep 2019)

Following activities have completed as a part of CSR in the above said period:-

☐ **Village Infrastructure-**

- Drinking water is providing by M/s Topcem India to near by village on daily basis and spent cost is nearly 48000/-(Rupees Forty Eight Thousand only) per month. Cost for April 19 to Sep 19 is- 288000/- Rs.

☐ **Welfare work**

- Donation to Shree Shree Agnibaneswar Debalay –Rs. 38200/- Rs.
- Donation to Rongmahal Borgor Barowari Shiv Mandir -Rs. 7640/- Rs.
- Donation to Sankalpa -Rs. 4000/-Rs.
- Donation to Flood affected People -Rs. 130000/-Rs.
- Donation to Sri Sri Poravita Satra-Rs. 114600/-Rs.

☐ **OTHER CSR ACTIVITIES**

CSR 2019-20

MONTH	EVENT NAME	CSR/ ACTIVITY	DATE	LOCATION	TOTAL EXPENSES
APRIL	BIHU	CSR	08/04/2019 To 12/04/2019	Noonmati, Kahilipara, Sijubari,VIP, Boko,Nalbari, Birubari.	78580
JUN	Plantation For World Environmental Day	CSR	5/06/2019	CHANGSARI RLY STATION	112550
	AMBABACHI MELA	CSR	22-06-2019 TO 23-06-2019	KAMAKHYA TEMPLE, GHY	36680
JUL	CATERACT SURGERY	CSR	20/07/2019	GHY MOMAIKOTA LP SCHOOL	250000
	FLOOD RELIEF CAMP (ITEMS DISTRIBUTION)	CSR	29/07/2019	NALBARI	150000
Sep	VISWAKARMA IDOL IMMESION ACTIVITY	CSR	19/09/2019	Started from ULUBARI NEAR OLD ASTC GARAGE COMPOUND	64000
Total Amount					691810

**TOTAL COST SPENT UNDER CSR ACTIVITY IN
2019-20(APRIL TO SEP 2019) IS RUPREES 1274250/-
ONLY.**

Note*The costing has rounded off to its nearest value.



***ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR
PERIOD OF APRIL 2019 TO SEPTEMBER 2019***

ANNEXURE-VI

EMP COST 2019-20

Expenditure on Environment Management and pollution control norms for Financial year 2018-19		
Sl. No.	Activities	Cost Incurred (INR)
1	Total 21 numbers of Bag filters are being used in our plant as environment pollution control devices. The electricity consumed and maintenance cost of the all bags filters for FY 2018-19	62,76,420.00
2	Within plant premises, water sprinkling and spraying on road for controlling fugitive dust. The cost of same in FY 2018-19	96,525.00
3	STP and Borewell Water external party test cost	10,561.00
4	Provided PPEs to workmen, employees and staff person, cost for FY 2018-19	1,07,277.00
5	Other miscellaneous expenditure for pollution control in FY 2018-19	33,432.00
	TOTAL COST SPENT UNDER ENVIRONMENT MANAGEMENT AND POLLUTION CONTROL NORMS IN FY2018-19	65,24,215.00



***ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR
PERIOD OF APRIL 2019 TO SEPTEMBER 2019***

**ANNEXURE-VII
NABL CERTIFICATE OF ABC
TECHNOLABS INDIA PVT. LTD.**



**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

ABC TECHNO LABS INDIA PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

ABC Tower, No:400, 13th Street, SIDCO Industrial Estate, North Phase,
Ambattur, Chennai, Tamil Nadu

in the field of

TESTING

Certificate Number TC-5770

Issue Date 29/11/2017

Valid Until 28/11/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director



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Anil Relia
Chief Executive Officer