REPORT OF ENVIRONMENTAL

CLEARANCE

FOR THE PERIOD OF OCTOBER-

2016 TO MARCH-2017

SUBMETTED BY-

M/S. TOPCEM INDIA 5TH FLOOR, MEGHA PLAZA, CHRISTIAN BASTI, G.S ROAD, GUWAHATI-781005



Page 1 of 10

Name of The Company:

ye.

Project :

Proposed Coment Grinding Unit (OPC/FPC: 0.66 MTPA) at P.O. Gauripur, District Kamnup Plunel, Assam

F.No: J-11011/006/2009-IA II (I) Dated July 22, 2010.

M/n. Topcom India

Clearance Letter: Amendment Environmental

Clearance Letter:

Environmental

of F.No. J-11011/668/2009-IA II (I) Dated 2nd June 2011

A. Specific conditions: +

S.N.	CONDITIONS	REMARKS
	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. Particulate emissions shall be controlled within 30 mg/Nm ² by matalling adequate air pollution control system viz Bag filters and stacks of adequate height eto. Data on amount 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.	 We have already installed online monitoring device and continuous monitoring the gaseous emissions. The server Linkup has been completed in September 2015 and the SPM data is live on CPCB and State PCB server (http://202.191.230.91/). Reverse pulse jet type Bag filter to tunnel ventilation mill & classifier venting. Silo, Cement packing, etc. as pollution control equipment is provided. Necessary replacement of filters has been done in August 2016 for controlling of the emission of Particulate Matter for revised norms of 30mg/Nm². We have obtained Consent to Operate (CTO) for the year 2017-18 from the board under water Act 1974 and Air Act-1981 vide APCB letter no. WB/GUW/T-1241/Pt-I/42-13/227/2047 dated 30/03/17 Monitoried data of ambient air, fugitive and stack emission is submitted regularity. Monitoring report is enclosed as Annexure-I.
Ð.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E), saled 16 th 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 November, 2009 and accordingly monitoring is carried out.
H	Gaseous emission levels including amonitary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Precision terms by the GPCB should be followed	We are controlling fugitive emission from all the sources within the latest permissible limits issued by the MoEF guidelines, using Bag filters & water spraying and siso monitoring the parameters. Relat Annexure-I.

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S.N.	CONDITIONS	REMARKS
×	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill transfing unloading, conveying transporting stacking), vehicular movement, bagging and packing areas stit. All the raw material stock pries should be covered. A closed clinker stockpile system shall be provided All conveyers should be covered with GI shaets. Covered sheds for storage of raw materials and fully covered sheds for storage of raw materials and fully covered conveyers for transportation of materials should be provided besides crim, cempilit, fly astrand clinker shall be stored in silos. Pneumatic system shell be used for fly astranding	We have provided the reverse pulse inf type bag filter system to control the fugitive emission Covered storage is provided for hy ash and gypeum. For Clinker RCC stock pile is provided All conveyers are covered with G sheets. Pneumatic system has been using for transporting of raw materials.
V.	Asphalting/concreting of roads and water spray all around the stock-yard and loading/unloading aroas in the cement, plant shall be carried out to control fuptive 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 uniteding 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.	 Work for concreting of road has been completed. We ensure that we spray water regularly around loading/unloading areas and interna road in the cement grinding unit. We are measuring Ambient air guality. Monitoring reports are enclosed as Annexure-I.
уй;	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 overkiaded. Vehicular emissions shall be regularly monitored.	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 closed container, internal roads of plant are paved and regular sprinkling of water done on roads. We have separate parking areas for trucks.
μi	Total water requirement for cement plant from bore wells shall not exceed 50m ⁵ /day. All the treated westewater shall be recycled and reused in the process and/ of 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	 Total water requirement does not exceed 50m³/day Being a Zero Discharge unit no waste water is generated Sewage Treatment Plant has been constructed. Ethuent Treatment Plant has constructed. The drawing of newly constructed ETP is attached as Annexure-II
viik.	Efforts shall be made to make use of rain water hervested. 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 narvesting system has been installed for conservation of rain water Rooftop water is collected and we are Recharging it within the ground.
x	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 cill and batteride should be sold for authorized recyclers / reprocessors only	-Dust from the pollution control devices is recycled and reused in the dement manufacturing process. Spent oil reused in the plant machineries for lubrication - ETP has also constructed near plant workshop. Drawing is attached as Annexyre-II
×.	Green belt shall be developed in an array of 33% of total area in and around the cerninit point is use the CPC8 guidelines to mitigate the effects of us emissions in consultation with local DFO	We have developed the green bits inside the plant promises within 1912 square meter to mitigate the effects of pollution in consultation with local DFO.
R	All the recommendations made in this Chapter on Corporate	All the CREP conditions for One

S.N.	CONDITIONS	REMARKS	
	Cement plants shall be implemented	followed	
AR.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Shiftong ASPCB and CPCB within 3 months of save of Environment Clearance latter	Complied with	
alli.	At least 5% of the total cost of the project should be earmarked towards the corporate social responsibility and term - 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 is prepared and already submitted to the Regional Office of the MoEF al Shillong Accordingly Corporate Social responsibility activities are being followed with. Photographs of CSR activities is enclosed as Annexure-III	
XIV	The company shall or vide housing for construction labour within the site with all recessary infrastructure and facilities such as fuel for cocking mobile tollats, mobile STP, safe drinking water, motional health care, crectle atc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied with	

B. General Conditions:

S.N.	CONDITIONS	STATUS
	The project authorities must strictly adhere to the stipulations made by the Assam State Pollution Control Board and the State Government	Agreed with We are complying with all the stipulation made by the Assam State Pollution Control Board and the State Government.
A	No further expansion or modifications in the plant shall be carried out without mor approval of the Ministry of Environment and Ferreits	Phor approval of the Ministry of Environment and Forests will be taken for further expansion or modifications in the plant, if any
#	The gaserus emission from various process units shall conform to the local loss based standards notified by this Ministry on 19" May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stight size index for the relevant parameters keeping loss the local of the industry and its size and location.	Agreed with Monitoring reports are enclosed as Annexure-I.
(W2)	At least for automore or quality monitoring stations should be established in the inward direction is well as where maximum ground is concentration of PM10 SO ₃ and NO ₃ are antidipated in co-sultation with the SPCB. Data on ambient erigodality of stack emission shall be regularly submitted time the special office at Shillong of the SP. PCB once in texmonths	 Four ambient air quality monitoring locations are installed in consultation with Pollution Control Board Date on ambient air quality and stack emission are enclosed as Annexure- I.
Y	Industria asteward wall be properly or flected, treated so as to be some to the mindards preachined under GSR 422 (E) dated is " Minn - 3 and 31" Occumper 1993 or as amended from time to the treatest we divisited under shall be utilized for mentation purpose	Being a zero discharge unit no Industrial waste water is generated The construction work of Sewage Treatment plant has been completed and now we are using it. The treated wastewater is being used for blanked and other purpose like consying off roads and dust suppression
.УГ.	The over the internal and around the part area shall be kept we the thirds (65 dB4) by couling noise control sures using about the hunds, silincers.	We have undertaken all be measured and ensure that noise tertile tape in within the limit. Noise repairing

S: N.	CONDITIONS	STATUS
	enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1980 viz, 75 dBA (day time) and 70 dBA (night time).	reports are enclosed as Annexure-L
Au.	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.
viii.	The company shall develop surface water harvesting structures to hervest the rain water for utilization in the lean season besides recharging the ground water table.	Rain water harvesting structure has constructed.
10,	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 programmes, educational programmes, drinking water supply and health care etc.	We are complying the protection measures and safeguards recommended in the EIA/EMP report and community development programmes are initiated in the area.
×	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 adverted for any other purpose	Complied with:
<u>vi</u>	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parinhad/Municipal Corporation, Urban Local Body and the local NGO II any, from whom suggestiona/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 La www.lobcern.in
XI.	The project proportion shall upload the status of compliance of the stipulated environment disatance 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 Shilling. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely, PM ₁₀ , SO ₂ , NOx (ambient levels is well as stack emissions) or critical sectoral parameters, indicated for the projects stat the monitored and displayed at a convenient location near the main gate of the company in the public domain.	Status of the compliance of the stipulated environment clearance condition including monitoring data are uploaded in our website i.e. <u>www.topcem.in</u> and also sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB . The electronic equipment for display of monitored data is attached near company gate.
XIII.	The project proponent in the also submit six monthly reports on the status of the stipulated environmental condition (both in hard comes in including results of monitored data well as the small to the Regional Office of MLEF, the stipulated of the SPCB and the SPCB. The Regional CPCB 7.5 the sall in the stipulated conditions	Regularly submitting six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data as stipulated

S.N.	CONDITIONS	STATUS
¥1.	The environmental statement for each financial year ending 31 th March in Form-V as is mandated to be submitted by the project proportion to the company of State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1966, 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 resplictive Reginnal Office of the MOEF at Shillong by e-mail	The environmental statement for the financial year 2016-17 was submitted vide our letter No.TI/MEF/OA 117 dtd 16 st May 2017 to Pollution Control Board Assam and Regional Office of the MoEF Shillong refer Annexure-IV.
¥¥.	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 This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local norwspapers 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	Complied with
xvi	Project authorities shall inform the Regional Office as well as the Ministry are date of financial closure and final approval of the project is the concerned authorities and the date of commencing the land development work.	Compiled with
8	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed with
8	The Min y reserves the right to stipulate additional conditions and recommity. The company in a time bound manner s and seconditions.	Agreed with
10.	Any appendingenist this environmental clearance shall lie with the colorul Environment Appellate Authority. If preferred of the a period of 3D stays as prescribed under section 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Agreed with
11	The abov Dis enforced inter alla under the provisional life View r Act-1974, Air Act-1981 and Hazardon and Transboundry movement Rules-20 dis (Insurance) Liability Act-1991 along with americants and Rules	Agreed with

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D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. 161022_12040009_06A_250

Date: 22/10/2016

Name & Address:

M/s. Topcein India Gauripur, North Guyvahati Dist: Kamrup(R), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB[A]Leq
13	Surger and	1500 KVA DG Set-1	73.1
-463	18/10/16	1500 KVA DG Set-2	72.8
105	20255265	1500 KVA DG Set-3	70.6
iv) 19/10/16		1500 KVA DG Set-4	71.9

Remarks: Noise level are carried out during day time and all DG sets are covered with accustic enclosure.

Envision Enviro Technologies North East, Guwahati,

(Quality Control Manager)

Note: i) The results relate only to the parameters tested

The test report shall not be reproduced except in full, without written approval of laboratory.

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AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 161022_12040009_06A_251

Date: 22/10/2016

Nante & Address:

H/s. Topcem India Gauripur, North Guwahati Disti Kamrup(R), Assam

SL.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Lou
0	in line	Towards North-West Direction	67.9
10	15/10/15	Towards North-East Direction	68.4
III)	10/10/116	Near Packing Plant	69.6
IV)	**/10/10	Near Cemant Mill	72.5

Remarks: Noise lovel are carried out during day time.

Ambient Noise Standards:

Area	Category of area	Limits in dB(A) Leg	
Luun		Day (6:00 am to 10:00 pm)	Night (10:00 per to 5:00 per)
- AL	Industrial Area	75	and a server print to 0,00 am)
6	Commercial Area	65	14
C	Residential Area	88	33
D	Silence Zone	32	45
- 1997 A	Serve Lone	50	40

Envision Envire Fect worth East, Guwanati

(Quality Control Manager)

Note: () The results relate only to the parameters leated.

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STACK ANALYSIS REPORT

Rep.No. 161022_12040009_02_252

Date: 22/10/2016

Name & Address:

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

SL.	DATE OF	STACK	PARAMETERS	REMARKS	
		on other them	(mg/Nm ³)	-All DG sets are with acoustic	
ŋ.	18/10/16	Stock attached to DG Set 1500 KVA - 1	43.9	- encidente	
0)		Stack attached to DG Set 1500 KVA -2	16.2	1 5	
щ	19/10/16	Stack attuched to DG Set 1500 KVA -3	51.4	Contract of Contract	
IV)		Stack attached to DG Sot ISOO KVA -4	#8.0		

Emission Standards |

Parameter	Standards
Particulate Matter	75 mg/Nm ¹
	and the second s

Envision Enviro Technologies North Elist, Guwahati

(Quality Control Manager)

Note: U The results relate unity to the parameters tassed

(ii) The test report shall not be reproduced except in full, without written approvel of laboratory.

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STAC	K ANALYSIS	REPORT		
Rep.	No. 161022_1	2040009_02_253		Date: 22/10/2015
Nam	e & Address:			
M/s Gau Dist	. Topcam Ind ripur, North (:: Kamrup(R),	ia Suwahati Assam.		
SL.	DATE OF	STACK DESCRIPTION	PARAMETERS	REMARKS
NO.	SAMPLING	STACK PESCAPTION	(mg/Nm [*])	-Production separaty of the coment plant is 0.66 MTPA.
1)	1) 18/10/16 Stack attached to Cement Mill		15,4	Bag filter is attached to Cement mill. Necessary replacement of filters bas been done.
inter	ion Standards :	Parameter		Standards
_	Bart	rarameter		Standards
				admit / film
		Envista	in Enviro Technologius I	Nortifiëst, Guwahati
			(Quality Control M	lanages)

Note: i) The results relate only to the parameters tested ii) The test report shall not be reported excert in full, and call written approximal importance.

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D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. 161126_12040009_06A_254

Data: 26/11/2016

Name & Address

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

SL.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
13		1500 KVA DG Sat-1	71.4
113	22/11/16	1500 KVA DG Set-2	70.8
10)		1500 KVA DG Set-3	72.3
iv)	23/11/16	1500 KVA DG Set-4	69.2

Remarks: Noise level are carried out during day time and all DG sets are covered with acoustic enclosure.

Envision Enviro Technologies North East, Guwahati.

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(Quality Control Manager)

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AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 151126_12040009_06A_255

Date: 26/11/2016

Name & Address:

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

NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
3)		Towards North-West Direction	07.3
112	22/11/16	Towards Pairtn-Ellin Direction	67.8
101)	100000	Hast Facking Flant	69.2
iv)	23/11/16	Near Cument Mill	71.4

Remarks: Noise level are carried out during day time.

Ambient Noise Standards:

Arms	Category of area	Linita	in dB(A) L=q
Code		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

Envision Envire Technologies North East, Guwabati,

(Quality Control Manager)

Note: I) The results relate only to the parameters tested.

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Page 1 of 2

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STACK ANALYSIS REPORT Rep.No. 161126_12040009_02_256 Date: 26/11/2016 Name & Address: M/s. Topcem India Gauripur, North Guwahatt Dist: Kamnup(R), Assam. SL DATE OF STACK PARAMETERS NO. REMARKS SAMPLING DESCRIPTION Particulate Hattar (http://http:// -All DG sets are with acoustic 13 enclosure. Stack attached to DG 44.1 Set 1500 KVA -1 22/11/16 Stack attached to DG 45.7 (11) Set 1500 KVA -1 Stack attached to DG 49.2 1111 Set 1500 KVA -3 23/31/16 Stuck attached to DG ip.3 1Ý1 Set 1500 KVA -4 Emission Standards 1 Parameter Stansards Particulate Matter 75 mg/Nm Enviolen Envire Technologies North East, Guwahati hai (Quality Control Manager) Note: () The results relate only to the physical model The text report shall not be represented except in Fig. without written approximated at laboratory. Paper 1 of 1

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STACK ANALYSIS REPORT

Rep.No. 161126_12040009_02_257_0

Name & Address:

Date: 26/11/2016

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

SL.	DATE OF	STACK DESCRIPTION	PARAMETERS	REMARKS
NO.	SAMPLING		Particulate Matter (mg/Nm ³)	-Production capacity of the
10	22/11/16	Stack attached to Cement Mill	16.2	- Bag filter is attached to Cement mill.
				-Necessary replacement of filters has been done.

Emission Standards :

Standards
30mg/Nm ³

Envision Enviro Technologies North East, Guwahati

hal Guanati-3 쿩 (Quality Control Manager)

Note: () The results relate only to the parameters tested

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D.G. SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. 161219_12040009_06A_278

Date: 19/12/2016

Name & Addressi

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

SL.	DATE OF	LOCATION /SOURCE	NOISE LEVEL IN #8(A)Leg
111		1500 KVA DG Set-1	72.5
10	15/12/16	1500 KVA DG Set-2	71:1
103	1 STREAM	1500 KVA DG Set-3	71.9
193	16/12/16	1500 KVA DG Set-4	72.0

Remarks: Noise level are carried out during day time and all DG sets are covered with acoustic enclosure.

d Tech Envision Enviro Technologies North En Sussahatl.

(Quality Control Manager)

Note: () The results relate only to the parameters tasked

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AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 161219_12040009_06A_279

Date: 19/12/2016

Name & Address:

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

SL. NO.	DATE OF SAMPLING	LOCATEON /SOURCE	NOISE LEVEL in dB(A)Leg
17		Towards North-West Direction	66.5
10	15/12/16	Towards North-East Direction	67,2
1113	A REAL PROPERTY.	Neur Packing Plant	63.4
IV)	10/12/15	Near Cement Hill	69.7

Remarks: Noise level are carried out during day time

Ambient Noise Standards:

Area	Category of area	Limits	in dB(A) Leg
Code		Day (6:00 am to 10:00 pm)	Night (10:00 pm) to 6:00 am)
A	Industrial Area	25	75
洞	Commercial Area	65	53
10	Residential Area	55	45
D	Silence Zone	50	40

Envision Enviro Technologies North East, Guwahnti.

(Quality Control Manager)

Note: 1) The results relate only to the parameters tested.

(ii) The test report shall not be reproduced except in full, without written approval of isborstory.

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STACK ANALYSIS REPORT

Rep.No. 161219_12040009_02_280

Date: 19/12/2016

Name & Address:

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

SL.	DATE OF	STACK	PARAMETERS	REMARKS
NO.	SAMPLING	DESCRIPTION	Particulato Matter (mg/tem?)	All OG ages are with adoustic
4)		Stack attached to DG Set 1500 KVA - 1	40.8	- HINEDODALITY -
05	15/12/16	Stack attached to DG Set 1500 KVA -2	43.1	
(iii)	16/12/16	Stack attached to DG Set 1500 KVA -3	46.5	414
iv)		Stack attached to DG Set 1500 kVA -4	47.2	

Emission Standards 1

Parameter	Standarme
Particulate Matter	75 mg/Nm ²

Envision Enviro Technologies North East, Guwattati Ghay

(Quality Control Managar)

Note: 9 The results relate only to the parameters trated. ii) The test report shall not be reproduced except in full, without written approval of interatory.

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Enviro Technologies North East

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Rep. Nam M/ Gat Diş	IX ANALYSIS No. 151219_1 III & Address: S. Topcem Ind Infour, North (It Kamrup(R),	REPORT 12040009_02_281 iia Guwahati Assam.		Date: 19/12/2016
SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS Particulate Matter (mg/Nm ²)	REMARKS
n.	15/12/16	Stack attached to Comput Mill	18.5	- Cap tilter is stached to Dement with, - Microssary replacement of filters has been core.
		Erreisian	Enviro Technologia etg	eutratinat. Guessalium d
stei il	The results nelat The test report at	Erreisian e mile to the nerandum heated nall not bo reproduced except in	Enviro Technologia engl (Quality Cantral and	niger)

11 Co. See Proce Min Pairs Compton, In: Surger Charle, Pairson Sales 27 County & Process and Pairson Pairson, and Specific America

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D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. 170128_12040009_06A_282

Date: 28/01/2017

Name & Address:

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

SL.	DATE OF	LOCATION /SOURCE	NOISE LEVEL In dB(A)Leg
n	I CEMPLOTE ON	1500 KVA DG Set-1	79.9
iii)	24/01/17	1500 KVA DG Set-2	73.4
1113	Concercional Concercional	1500 KVA DG Set-3	72.1
iv)	25/01/17	1500 KVA DG Set-4	71.5

Remarks: Noise level are carried out during day time and all DG sets are covered with acoustic enclosure.

> Envision Enviro Technologies North Bast, Guwahati. hal

> > (Quality Control Manager)

Note: i) The results relate only to the parameters tested

ii) The test report shall not be reproduced except in full, without written approval of inburatory

Page 1 of 1

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Enviro Technologies North East

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Bate: 28/01/2017

Recognized by Pollution Control Board, Assam.

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Res.No. 170128_12040009_064_283

Norme & Address:

M/s. Topcem India Gsuripur, North Guwahati Disti Kamrup(R), Assam.

EL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOTSE LEVEL in dB(A)Lug
0		Towards North-West Direction	
前	24/01/17	Towards North-East Direction	ub.1.
111)		Near Packing Plant	0.00
142	25/01/17	Neur Cement Mill	71.3
temari	Ot Mains Intel and		- 72,0

Remarks: Noise level are carried out during day time.

Amhient Noise Standards:

Area Code	Category of area	Linits	in ad(A) Lea
A	Industrial Area	Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
8	Commarcial Area	65	70
0	Residential Area	85	- <u>55</u>
D.	Silance Zona	30	45

Envision Emileo Yechnologies repath East, Guwahari.

(Quality Control Manager)

Note i) The results relate any in the party former

ii) The best report analised be reproduced exotor in talk, without weltant according to an according

Page 1 of 2

Huune No. 6., Let Floor, Sankardey Path, Publichermia, Ghandmari, Gussenati-Th1005, Aparen

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Hall, Stid Base 200 Keel Colleges 10, Regi Oliver, Mariel Basel 7, Gaseri # Phone Sel 201000 # article and programme

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STACK ANALYSIS REPORT

Rep.No. 170128_12040009_02_284

Dute: 28/01/2017

Name & Address:

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

SL. NO	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS Particulary Medier (mg/Rm ²)	REMARKS
9		Stack attached to DG Set 1590 KVA - 1	41.3	Prisinance.
10	24/01/17	Stack attached to DG Set 1500 KVA -2	44.Z	
HQ.	25/01/17	Stack attached to DG Set 1500 KVA -3	47.1	-
iv)		Stack attached to DG Set 1500 KVA -a	74.5	

Emission Standards :

Parameter	Standards
Particulate Nattor	75 mg/Nm ²

Envision Enviro Technologies North East, Guwaliati

(Quality Control Humaner)

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Enviro Technologies North East

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Recognized by Pollutium Control Board, Assam STACK ANALYSIS REPORT Rep.No. 170128_12040009_02_265 Date: 28/01/2017 Name & Address: M/s. Topcem India Gauripur, North Guwahati Dist: Kamrup(R), Assam, PARAMETERS REMARKS SE. DATE OF STACK DESCRIPTION NO. SAMPLING Particulate Matter (mg/Hm³) Production capacity of the Connert plant is 0.06 MTPA. 15 24/01/17 Stack attached to way filter is attached to 17.9 Cement Mill Contents milli "Necessary replacement a" litters has been donie. Elitismon Standards : Parameter Standards Particulate Matter 30mg/Nm¹ Envision Enviro Technologics (pell) East, Guwahali (Quality Cuntrol Mimagur) Notal () The results teldte any to the parameters tasted The test report shall not be reproduced except in full, without written operation of table attern. 74951.051

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Phone = +91 8811096201 # e-mail : myticlongliy@gmall + visit us at : www.en-vision.in

11.0. Ind From Shuthan Compton for Barry Clovel, Paper South 7 Gaune # Process 251 2227022 # Arrest attriBenation of

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Date: 28/02/2017

Recognized by Pollution Control Board, Assam

AMBIENT AIR ANALYSIS REPORT

Rep.No.170228_12040009_01_227

Name & Address:

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

er:	DATE OF				PARAM	ETERS	
NO.	SAMPLING	LOCATION/ SOURCE	WEATHER	РМ ₁₈ (µg/m ²)	PM23 (µg/m²)	(31g/m ²)	\$0± (µg/m*)
0		Near Highways & Truck Parking		77.3	38.0	9/9	6.7
115	23/02/17	Near Workshop & Staff Quarter	11000	72.6	35.7	8.1	3.6
(H)		Near Switch Yard	Clear	69.1	34.2	7.0	3.1
143	24/02/17	Near Truck		75.2	37.8	9,3	9.3

Remarks: - All parameters are within the permissible limit.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

SI, Nel	Pollutant	Time Weighted Average	Concentration in Amhient Ali Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO2)	34 tours	(RP
Ŧ	Nitrogen Dioxide (NO ₆), ug/m ³	24 hours	50
3	Particulate Matter (PHila), pg/m*	24 nours	100
- 14	Particulate Matter	24.00017	60

Tier Envision Enviro Fertinglogies North East, Guwahati (Quality control Manager)

Note: IT The results made only to the solutions traiter.

I) The test report shall not be reproduced except in him, without written assume of featuremy.

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FUGITIVE EMISSION ANALYSIS REPORT Date: 28/02/2017 Rep.Ne. 170228_12040009_04_225 IND Name & Address: M/s. Topcem India Gauripur, North Guwahati Dist: Kamrup(R), Assam. SL DATE OF Semachs. LOCATION/ SDURCE Fubility= (PM) SAMPLING NO. (ug/in') +Water spraying is done to: control the fugitive 896 Near Main Gate 23/02/17 1) emission. 11) -All materials are stored 24/02/17 closed aheda to in Near Fly Ash Yard 931 fugitive mitigate entesion. Envision Enviro Technologies North East, Guyahati (Quality centrol Manager) thate ii) The results relate doily to the personationa tossed The cest report shall not be reproduced except in full, without written approval of inboratory

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11 Ch. 2nd Room Stick Party Complex, No. Keepf Chinak, Provid Kunis Z. Chinard & Phones 2017 22230021 & entret 1025 Contenters II

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D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. 170228_12040009_06A_229

Date: 28/02/2017

Nume & Addressi

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dD(A)Log
13		1500 KVA DG Set-1	73.1
10	23/02/17	1500 KVA DG Set-2	72.8
(11)		1500 KVA DG Set-3	69,3
ivi	24/02/17	1500 KVA DG 5:0-4	71.8

Remarks: Noise level are carried out during day time and all DG sets are covered with acoustic enclosure.

Envision Enviro Technologies North East, Guwahati, Theur (Quality Control Manager)

Note: II The results relate only to the parameters lested

ii) The test report shall not be reproduced except in fun, without written approximal laboratory.

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Hubs and From Site Ran Company Mr. Kangi Chook, Pyrod, Burel T. Guyani # Phone: 301 2222003 # e-mail. Altr@provision in

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AMBIENT NOISE LEVEL MEASUREMENT REPORT.

Rep.No. 170228_12040009_06A_230 140

Date: 28/02/2017

Name & Address:

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

SL, NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leg
-0	33203249	Towards North-West Direction	67.1
-117	23/02/17	Towards North-East Direction	67.9
m)	74/02/117	Near Packing Plant	69.4
11/)	24/92/1/	Near Cement Mill	71.1

emarks: Noise level are carried out during day time.

Ambient Noise Standards:

Area Code	Category of area	Limits	in dB(A) Leo	
A	Industrial Area	Day (6:00 mm to 10:00 pm)	Night (10:00 pm to 6:00 am)	
- U	Commercial Area	65	70	
c	Residential Area	55	55	
D	Silance Zone	50	45	

Envision Enviro Tech East, Gowahati. (Quality Control Manager)

Note: () The results relate only to the parameters tested.

a) The test report shall not be reproduced except in full, without written approval of laboratory.

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		1.0	1 49444	111-2	10.76	100.00	1401		- 001

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STACK ANALYSIS REPORT

Rep.No. 170228_12040009_02_231

Date: 28/02/2017

Name & Address:

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

SL.	DATE OF	STACK	PARAMETERS	REMARKS
NO	SAMPLING	DESCRIPTION	Particulate Matter. (nuj/Bos ³)	-All DG sets are with accustic
n.		Stack attached to DG Set 1500 KVA - 1	46.3	enclosure.
я1	23/02/17	Stack attached to DG Set 1500 KVA -2	48.5	
1113	24/02/17	Stack attached to DG Set 1500 KVA -3	51.7	-
IV)		Stack attached to DG Set 1500 KVA -4	49.2	

Emission Standards :

Parameter	Standards
Particulate Matter	75 mg/Nm ¹

Envision Enviro Technologius North East, Guwanati

(Quality Control Hanager)

Note: i) The results relate only to the parameters tested

(i) The test report shall not be reproduced except (i) full, without written approval of laboratory-

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H.O. 2017 New Shiri Ram Dariyaki, Ni, Kangi Cheval, Hiplad, Sareri? Giland & Preme 2017 (22300) & Annari Heli Qan ataun 1

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M/s. Topcem India Gauripur, North Guwahati Dist: Kamrup(R), Assam.	Rep.	No. 170228_	12040009_02_232 190		Dater 28/02/2017
SL NO. DATE OF SAMPLING STACK DESCRIPTION PARAMETERS Perticulate Matter (mg/Nm*) REMARKS *) 23/02/17 Stack attached to Cement Mill 18.4 -Bog filter is attached to Cement mill Netcessary replacement of there is attached to Cement Mill -Netcessary replacement of there is attached to Cement Mill Entission Standards : Parameter Standards 30mg/Nm* Particulate Matter 30mg/Nm*	M/ Gat Dis	s. Topcem Inc uripur, North (t: Kamrup(R),	lia Guwahati , Assam.		
NO. SAMPLING Perticulate Matter (mg/Nm*) -Production capacity of the content plant is 0.466 Merry 1) 23/02/17 Stack stached to Cement Mill 18.4 - Bag filler is attached to Pag filler is attached to Herristan plant is 0.466 Merry Entistion Standards :	SL.	DATE OF	STACK DESCRIPTION	PARAMETERS	REMARKS
1) 23/02/17 Stack attached to Cement Mill 18.4 - Bag Titler is attached to Cement mill. Intestion Standards :	NO.	SAMPLING		Particulate Matter (mg/Nm ³)	-Production topscity of the
	0	23/02/17	Stack attached to Cament Mill	18:4	- Bag filter is attached to Comont mill
Entiselion Standards : Parameter Brandards Particulate Matter 30mg/Nm ² Envision Envire Technologisius Note Lasse, Suiveating Cuality Control Manager					-Necessary replacement o
Envision Envire Technologius Adde Task, Sumatural Quality Control Manager)		Paro	culate Matter	3	Derg/Nm [*]
Note: 1) The results induce any to the providence is testing		Parts.	culate Matter	3	Dong/Nm ¹
			Envision	Envire Technologius II (Quality Control Ma	Deng/Nm [*]
	lote 1	The results will The results will	Envision Envision	Envire Technologius II Envire Technologius II (Quality Control Ma 101. willioud written arr	Deng/Nm ¹
	lote: 1	The results sula The results sula	Envision Envision teamly to five purported a second to fail not be reproduced except to	Envire Technologius II Envire Technologius II (Quality Control Mar full, willtight written area	Deng/Nm [*]
Page 1 of	lobel 1	The results read	Envision Envision	Envire Technologius II Envire Technologius II (Quality Control Ma full, will bud written are	Deng/Nm ¹ All Look Gumanati naper) sold st latitudery. Foge 1 of 1
Poge I of	lobel 1	The results read	Envision Envision	Envire Technologius II Envire Technologius II (Quality Control Ma full, will blud written area	Deng/Nm [*] All Losi, Sumanut napper) will it laturatory. Foge 1 of 1

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D.G SET NOISE LEVEL MEASUREMENT REPORT

Rep.No. 170311_12040009_06A_256

Date: 11/03/2017

Name & Address:

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
0	TH DOULLARS	1500 KVA DG Set-1	69.2
10	07/03/17	1500 KVA DG Set-2	71.7
itij	West Street	1500 KVA DG Set-3	72.3
iv1	08/03/17	1500 KVA DG Set-4	70.6

Remarks: Noise level are carried out during day time and all DG sets are covered with acoustic enclosure.

Envision Enviro Technologies North East, Guwahati.



(Quality Control Managet)

Note: i) The results relate only to the parameters tested

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AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 170311_12040008_06A_257/-

Date: 11/03/2017

Name & Address:

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

SL	DATE OF	LOCATION /SOURCE	NOISE LEVEL IN d0(A)Leq
NO.	SAMPLING	Towards North-West Direction	67,3
10	67/03/17	Towards North-East Direction	68.5
100	1 1 1 1 1 1 1 1	Near Packing Flant	68,9
143	08/03/17	Neur Cement Nill	70.2

Remarks: Noise level are corried out during day time

Ambient Noise Standards:

Ares	Category of area	Limits in dB(A) Leg			
Code	encedary or minu	Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)		
- A	Industrial Area	75			
Б	Commercial Area	45	33		
C	Residential Area	55	45		
13	Stience Zone	50	40		

Envision Enviro Teching to AL North East, Guwahnti,

(Quality Control Managir)

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(c) Stud Hase Shit Ham Complex. NJ Keyal Chevel. Palatt Scient 2: Guard # Phone: 201 2222(2) # p-mail: w/odpannie

Enviro Technologies North East

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Date: 11/03/2017

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STACK ANALYSIS REPORT

Rep.No. 170311_12040009_02_288

Mainia & Address:

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

	DATEOF	STACK	PARAMETERS	REMARKS
NO.	SAMPLING	DESCRIPTION	Porticulate Matter (ing/fum?)	All DE sots are with acoustic
0		Stack attached to DC	(R.7	
10	07/03/17	Stack attached to DG Set 1500 KVA -2	45.1	
10)	08/03/17	Stack attached to DG Set 1500 KVA -3	4972	
191	Constrained and	Stack attached to DG Set 1500 KVA -4	47,4	

Emission Standards (

Parameter	Standarits
Particulate Matter	75 mg/Nm*

Envision Enviro Technologies North East, Gunahati

(Quality Control manager)

Note: () The results relate only to the parameters cased in The test report shall not be reproduced except in full, without written accross of beboratory.

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STACK ANALYSIS REPORT

Rep.No. 170311_12040009_02_289

Date: 11/03/2017

Name & Address:

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

SL.	DATE OF	STACK DESCRIPTION	PARAMETERS	REMARKS
NO. SAMPLING	SAMPLING	STRUE DESCRIPTION	Particulate Matter (mg/Nm ³)	-Production capacity of the cement plant is 0.66 MTPA.
ŋ	07/03/17	Stack attached to Cement Mill	20.8	- Bag filter is attached to Cement mill.
				-Necessary implacement of filters has been done.

Emission Standards :

Standards
30mg/Nm ¹

Envision Enviro Technologies North East, Guwahati

Guwahah-3 No (Quality Control Manager)

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Note: () The results relate only to the parameters tested () The test moort shall not be reproduced event in full, without with

ii) The best report shall not be reproduced except in full, without written approval of laboratory.

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EFFLUENT TREATMENT PLANT WITH RECYCLING FACILITY (TYPE-II) FOR VEHICLE





FREE MEDICAL CHECKUP ORGANISED BY M/S TOPCEM INDIA

Health Camp organized by M/s Topcem India in association with GNRC Hospitals

- . Association benefits more than 200 villagers of Gauripur and surroundings
- . Free medicines distributed to the patients

<u>Guwahati, 3rd Sept, 2016:</u> Living up to its motto 'Caring, Sharing and bringing Smiles' and in Occasion of "GANDHI JAYANTI" 2016, Topcem Cement in association with GNRC Hospitals, organized a free health check up camp in Gauripur, Changsari. The free health check up camp was organized on 2nd Sept, 2016 in 1051 Gauripur Prathomik Bidyalaya, Gauripur, Changsari in the district of Kamrup.

The company geared itself in preparation for the free health checked up camp by intimating the camp through discussions and consultations with senior citizens of the village and word of mouth publicity.

The aim of the health check up camp was to reach out to the local population and spread awareness about basic cleanliness and health care which will enable people of Gauripur and its surrounding villages to lead more healthy life.

A team of eight doctors from different segments – Medicine, Dermatology, Cardiology, PMRD, Neurology and Pediatrics examined different types of patients of various age groups and provided free medical treatments and medicines to them. More than 200 nos. of patients were examined from Gauripur and its surrounding villages. Investigations like Ultra Sonography, ECG, Echo tests were also extended free to those required.

The local villagers showed lots of interest in the medical camp and appreciated the efforts of Topcem Cement.

The Photographs of the Medical camp is shown below:























Photos of Crimination Ground created in Tilingaon by M/s TOPCEM INDIA



















Photos of Gauripur village Temple created by M/s TOPCEM INDIA





















Photos of paddle boats(4 nos) donated by M/s TOPCEM INDIA for public use in Amingaon lake





ENVIRONMENTAL STATEMENT

<u>FORM - V</u>

Environmental Statement for the financial year ending the 31st March 2017

:

- Name and address of the i) owner / occupier of the industry, Operation or process.
- PART: A

M/s. TOPCEM India. Vill: Gauripur, College Nagar, Amingaon. Dist: Kamrup, Assam.

13 Orange Category

2000 MT Per day : 2011 18.05.2016 20



- Industry category ii) Primary- (STC Code) Secondary- (SIC Code)
- iii) Production capacity units
- iv) Year of Establishment
- v) Date of the last environmental audit report

submitted.

PART : B

Water and Raw Material Consumption

(1) Water Consumption m³/day.

Process : - Nil(Only 30000 litre/day for the Cooling Purpose)

Boiler : - Nil

Domestic : - 10000 Litre/day (Domestic)

Gardening : - 10000 Litres/day (from STP Treated Water)

Details of raw material consumption are enclosed as Annexure-I.

Name of Products	Process water consumpt	Process water consumption per unit of products.		
	During the previous Financial year.	During the current Financial year.		
	(1)	(2)		
(1) PPC	Not Applicable	Not Applicable		
(2) OPC	Not Applicable	Not Applicable		
(II) Devis Martin 1				

(ii) Raw Material consumption

Name of Raw Materials	Name of products	Consumption of raw material per unit of output (MT/MT)	
		During the previous Financial year.	During the current Financial year.
Clinker	PPC and OPC	71.71 MT	73.66
Fly Ash	PPC and OPC	27.71MT	25.77
Slag		Nil	Nil
Gypsum	PPC and OPC	0.58 MT	0.57

Details of raw material consumption are enclosed as Annexure-II.

PART : C

Pollution Discharged to Environment/Unit of output

(Parameter as specified in the consent issued)

	the second se		The second se
Quantity of	Concentrations	of	Percentage of variation
pollutants	pollutants discharges	in (mass/	from prescribed
discharged	volume)	` ·	standards with
(mass/day)			reasons.
	Quantity of pollutants discharged (mass/day)	Quantity of Concentrations pollutants pollutants discharged volume) (mass/day)	Quantity of Concentrations of pollutants in discharges (mass/ discharged volume) (mass/day)

(a) Water NOT APPLICABLE, AS THERE IS NO WASTEWATER GENERTION.

There is no waste water generation due to the process, Only 10 KL/Day domestic wastewater is generating. Which is being treated mechanically and biologically in common sewage treatment plant and using in plantation and dust suppression.



ALL PARAMETERS ARE WELL WITHIN THE NORMS PRESCRIBED BY THE BOARD.

PART : D

Hazardous Wastes

(as specified under Hazardous Wastes (Management and Handling) Rules, 1989)

Hazardouc Wastes	-	Total Quantit	y (kg/ ltr.)	
Hazardous wastes		During the previous Financial year.	During the current Financial year.	
(a) From Process	Used spent oil	70 Litres	120 Litres	
(b)From Pollution control facilities	N.A	N.A.	N.A	
	P. Soli	ART : E d Wastes		
		Total Qua	ntity (kg.)	
		During the previous Financial year.	During the current Financial year.	
 (a) From Process (b) From Pollution control facilities (c) (1) Quantity recycled or re-utilised (2) Sold 	N.A N.A Discarded Bags N.A	26763 Numbers	10009 Numbers	
(3) Disposed	N.A			

Details of solid wastes generation is enclosed as Annexure-III.

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 these categories of wastes.

All the HDPE Discarded Bags generated are return to suppliers. Used oil drained from equipments and machineries is recycled in the plant for lubrication purpose.

For details please refer Annexure-III.

PART : G

Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production.

Cost of consultancy & recurring cost of annual monitoring include electricity: Rs. 118450/- Rs One Lac Eighteen Thousand Four Hundred Fifty only for Env. Consultancy & Rs 244926/- Rs Two Lac Forty Four Thousand nine hundred twenty Six for dust collection bag replacement in bag Filters.

Following measures have been adopted for abatement of pollution, conservation of natural resources:-

1. Utilization of fly ash for the manufacturing of cement:

We are consuming approx 400 MT of fly ash per day from different NTPC plants transported in closed container and stored in covered sheds from where it has been pneumatically conveyed to cement mill for cement grinding process.

2. Use of STP treated water for the plantation purpose:

We have latest and advance Sewage Treatment Plant. The capacity of STP is 50 KLD. The treated water is being reused in greenbelt activity and dust suppression. The STP sludge (after drying) is being used as additive in cement manufacturing as it is siliceous material.

3. Rain water Harvesting measures:

Rain water Harvesting system have been constructed at the plant premises for recharge of ground water.

4. Plantation in and around the plant:

Green belt development and tree plantation is **our** ongoing process. We are doing new plantation to increase the bio-diversity of the area. Presently 34982 no. of plants in 11517 meter² area have been planted.

5. Continuous Stack Emission Monitoring Station:

Continuous Online stack monitoring system have been installed and presently server is connected with Pollution Control Board, Assam. Monitoring data is being transmitting to PCB, Assam server as well as CPCB, Delhi.

6. Schedule maintenance monitoring of Pollution Control Devices:

All the pollution control devices have been maintained as per scheduled maintenance by environmental management team which is comprises of mechanical, electrical and environmental officers and monitoring of all these have been done regularly as per PCB norms.

The list of major Pollution Control Devices installed is attached in the Annexure IV.

PART : H

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

The budget details of plantation activities is Rupees 902756/-(Rs Nine Lac Two Thousand Seven Hundred Fifty Six.

Installation of Online Stack monitoring device is Rs 4,32326/-(Rs Four Lac Thirty Two Thousand Three hundred Twenty Six only)

Construction of Rain water Harvesting System cost is Rupees 459417/-(Rs Four lac Fifty Nine Thousand Four Hundred Seventeen.

PART : I

Miscellaneous

Any other particulates for improving the quality of the environment.

None.	
	Signature : Name : AMIT AGARWAL Designation : PARTNER Date :
Submitted to: 1. The Member Secretary Pollution Control Board Assam Bamunimaidam, Guwahati-21	
2. To, Additional Principal Chief Conserv Ministry of Environment, Forest and C North Eastern Regional Office, Law-U-Sib, Lumbatngen, Near MTC Workshop, Shillong-793021. Meghalaya.	ator of Forests(c) Climate Change,
From : M/S TOPCEM INDIA Vill: Gauripur, College Nagar, Amingaon. Dist: Kamrup, Assam.	

Annexure- I

<u>Part B</u>

Water and Raw Material Consumption

Water Requirement in the Plant

- Total water requirement of the Plant is 50 KL/Day which shall be met through ground water using Bore Well.
- Water requirement will be mainly for the cooling 30 KL/Day (Make up quantity).
- For Domestic use 10 KL/Day
- For Plantation & gardening/others 10 KL/Day if require because now treated water in STP is used for the Plantation and Dust Suppression Purpose.

SR. NO.	USE FOR	WATER CONSUMPTION	WASTE WATER GENERATION KL/DAY
1.	Industrial Purpose	30	
2.	Domestic Purpose	10	10
3.	Plantation/Gardening & Other	10	•
TOTAL		50	

WATER CONSUMPTION AND WASTE WATER GENERATION

Note: All the domestic waste water is being treated in STP and reuse for water spraying on roads and plantation purpose.



Annexure- II

PRODUCTION AND CONSUMPTION DETAILS OF RAW MATERIAL

	Cement in MT	Consumption in MT		Ra		Ratio in %	atio in %	
Date	Production	Clinker	Gypsum	Fly Ash		Clinker	Gypsum	Fly Ash
16-Apr	53279	37903.035	310.895	15065.07		71.14	0.58	28.28
16-May	60010	42736.565	326.305	16947.13		71.22	0.54	28.24
16-Jun	44370	32903.035	241.85	11225 115		74.16	0.55	25.30
16-Jul	39850	29529.82	222.9	10097.28		74.10	0.56	25.34
16-Aug	47855	35391.9	276.15	12186.95		73.96	0.58	25.47
16-Sep	39950	29407.5	229.1	10313.4		73.61	0.57	25.82
16-0ct	32790	24059.33	181.95	8548.72		73.37	0.55	26.07
16-Nov	29535	21618.73	139.72	7776.55		73.20	0.47	26.33
16-Dec	22015	16353.925	110.339	5550.736		74.29	0.50	25.21
17-lan	24945	18878.325	145.125	5921.55		75.68	0.58	23.74
17-Feb	27020	21376.65	202.775	5440 575		79.11	0.75	20.14
17-Mar	36895	25874.025	210.05	10810.925		70.13	0.57	29.30
Total	458514	336032.84	2597.159	119884.001	Avg	73.66	0.57	25.77



Annexure-III

Part-E & F

DETAILS SOLID WASTE GENERATION AND DISPOSAL METHOD

Dust collected from air pollution control equipment will be 100% recycled in the process. Other solid wastes will be used/spent oil and discarded drums and bags. The sources of solid wastes, generation and its management are as given in the following table.

Sr. Type of Sou No. Solid Waste	Sr. No.	Source	Quantity per month	Wa	ste managem	ent details
				Collection	Reuse/ Recycle	Disposal
1.	Used/spent Oil	Prime Movers	120 Litres	Drums	Reuse in plant machineries for lubrication	
2.	Discarded Bags	Storages	834 Nos	HDPE Bags	-	Returned to raw Materials suppliers



Annexure-IV

TOPCEM INDIA

VILL & P.O :- GOURIPUR, AMINGAON, NORTH-GUWAHATI, ASSAM.

	BA	G FILTER REPORT
Sl No		Details
	BAG FILTER LOCATION	TRUCK TRIPPLEP
	BAG FILTE CODE	491 BF1
	BAG LENGTH	3660 MM
1	BAG DIA	160Ø
	TOTAL NO OF BAGS	72 NOS
	FLOW CAPACITY	10000 (AM ³ /HR)
	NO OF CHAMBER	
	BAG FILTER LOCATION	TRUCK TRIPPLER
	BAG FILTE CODE	491 BF2
2	BAG LENGTH	3660 MM
Z	BAG DIA	160Ø
	TOTAL NO OF BAGS	72 NOS
	FLOW CAPACITY	10000 (AM ³ /HR)
	BAG FILTER LOCATION	CLINKER STORACE SILO TOP.
	BAG FILTE CODE	491 BF3
	BAG LENGTH	3660 MM
3	BAG DIA	160Ø
	TOTAL NO OF BAGS	72 NOS
	FLOW CAPACITY	10000 (AM ³ /HR)
	NO OF CHAMBER	
	BAG FILTER LOCATION	CLINKER EXTRACTION BELT CONVEYOR 511 BC3
	BAG FILTE CODE	511 BF3
4	BAG LENGTH	3660 MM.
	BAG DIA	160Ø.
	TOTAL NO OF BAGS	96 NOS.
	FLOW CAPACITY	12000 (AM ³ /HF)
5	BAG FILTER LOCATION	GYPSUM STORAGE SHED.

	BAG FILTE CODE	K21 BF1	
	BAG LENGTH	3660 MM.	
	BAG DIA	160Ø	
TOTAL NO OF BAGS		36 NOS.	
	FLOW CAPACITY	5000 (AM ³ /HR)	
	NO OF CHAMBER		i na m
		×	
	BAG FILTER LOCATION	GYPSUM CRUSHER HOUSE.	
	BAG FILTE CODE	K21 BF2	
	BAG LENGTH	3660 MM.	
6	BAG DIA	160Ø	
	TOTAL NO OF BAGS	72 NOS.	
	FLOW CAPACITY	10000 (AM ³ /HR)	_
	NO OF CHAMBER		
	BAG FILTER LOCATION	CEMENT MILL HOPPER.	
	BAG FILTE CODE	531 BF1	
	BAG LENGTH	3660 MM.	
7	BAG DIA	160Ø	
	TOTAL NO OF BAGS	112 NOS.	
	FLOW CAPACITY	15000 (AM ³ /HR	
	NO OF CHAMBER		
	BAG FILTER LOCATION	CEMENT MILL HOPPER WEIGH FEEDER.	
	BAG FILTE CODE	531 BF2	_
	BAG LENGTH	3660 MM.	
8	BAG DIA	160Ø	
	TOTAL NO OF BAGS	112 NOS.	
	FLOW CAPACITY	15000 (AM ³ /HR)	
	NO OF CHAMBER		
	BAG FILTER LOCATION	CEMENT MILL HOUSE.	
	BAG FILTE CODE	561 BF2	
0	BAG LENGTH	3660 MM.	
9	BAG DIA	160Ø	
	TOTAL NO OF BAGS	112 NOS.	
	FLOW CAPACITY	15000 (AM ³ /HR)	
	BAG FILTER	CEMENT MILL HOUSE.	1
	LOCATION RAC EU TE CODE	561 RF1	
10	DAG FILTE CODE	2645 MM	
10	DAG LENGIA	1400	
	BAG DIA	1470	NRM
	TOTAL NO OF	196 NOS.	1.

	BAGS		
	FLOW CAPACITY	41000 (AM3/HR)	
	NO OF CHAMBER		
	BAG FILTER	STEEL SILO TOP.	
	BAG FILTE CODE	591 BF3	
	BAG LENGTH	3660 MM.	
11	BAG DIA	160Ø	
11	TOTAL NO OF BAGS	36 NOS.	
	FLOW CAPACITY	5000 (AM ³ /HR)	
	NO OF CHAMBER		
	BAG FILTER LOCATION	RCC CEMENT SILO TOP.	
	BAG FILTE CODE	611 BF1	
	BAG LENGTH	3660 MM.	
12	BAG DIA	160Ø	
10	TOTAL NO OF BAGS	36 NOS.	
	FLOW CAPACITY	5000 (AM ³ /HR)	
	NO OF CHAMBER		
	BAG FILTER LOCATION	AIR SLIDE DEDUSTING	
	BAG FILTE CODE	611 BF1	
	BAG LENGTH	3660 MM.	
13	BAG DIA	160Ø	
	TOTAL NO OF	36 NOS.	
	FLOW CAPACITY	5000 (AM ³ /HR)	
	NO OF CHAMBER		
	BAG FILTER LOCATION	AIR SLIDE DEDUSTING	
	BAG FILTE CODE	611 BF4	
	BAG LENGTH	3660 MM.	
14	BAG DIA	160Ø	
	TOTAL NO OF BAGS	36 NOS.	
	FLOW CAPACITY	5000 (AM ³ /HR)	
	NO OF CHAMBER		
	BAG FILTER LOCATION	PACKER DEDUSTING	
	BAG FILTE CODE	661 BF1	
	BAG LENGTH	3660 MM.	
15	BAG DIA	160Ø	
	TOTAL NO OF BAGS	96 NOS.	
	FLOW CAPACITY	12000 (AM ³ /HR)	
	NO OF CHAMBER		6.6

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	BAG FILTER LOCATION	PACKER DEDUSTI	NG
	BAG FILTE CODE	661 BF2	
	BAG LENGTH	3660 MM.	
16	BAG DIA	160Ø	
	TOTAL NO OF BAGS	144 NOS.	
	FLOW CAPACITY	20000 (AM3/HR)	
	NO OF CHAMBER		
	BAG FILTER LOCATION	PACKER DEDUST	NG
	BAG FILTE CODE	662 BF1	
	BAG LENGTH	3660 MM.	
17	BAG DIA	160Ø	
	TOTAL NO OF BAGS	96 NOS.	
	FLOW CAPACITY	12000 (AM ³ /HR)	
	NO OF CHAMBER		
	BAG FILTER LOCATION	PACKER DEDUST	ŇG
18	BAG FILTE CODE	662 BF2	
	BAG LENGTH	3660 MM.	
	BAG DIA	160Ø	
	TOTAL NO OF BAGS	144 NOS.	
	FLOW CAPACITY	20000 (AM3/HR)	
	NO OF CHAMBER		

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