

(Sub:- Submission of Half Yearly Compliance Report for the period from October 2022 to March 2023)

Sir,

We are hereby furnishing the half yearly compliance report (hard copy and soft copy) for the period from 01/10/2022 to 31/03/2023 on Environmental Stipulations for Expansion of Cement Plant (from 500 TPD-1000 TPD), Cement Grinding Unit at Dag. No. 292,287,286,296, Patta No. 27 & 41, Village – Bhamoraguri, Gaon Panchayat – Kuhumtali, Sub-Division Samaguri, Nagaon by M/s K.D. Cements – Environmental Clearance Letter No. SEIAA.47/2013/78; Dated 25th March 2014.

This is for your kind information and perusal. You are requested to kindly acknowledge the receipt of the same .

Thanking you.

Yours faithfully For K.D.Cements

(Authorised Signatory)



Encl:- As stated above

Copy to:-

- (1) The MoEF, North Eastern Regional Office, Shillong, Meghalaya.
- (2) The Member Secretary, State Environment Impact Assessment Authority, Assam
- (3) The Senior Environmental Engineer, Regional Office, Assam Pollution Control Board, Nagaon (Assam)

Factory : Vill : Bhomraguri, Samaguri, P.O.: Rangagora, Pin.: 782 140, Dist.: Nagaon (Assam), Ph.: +91-3672-294258 / 61, E-mail: works.cements@kdindia.com

Half yearly Compliance Report for the period from October 2022 to March 2023 on Environmental Stipulations for Expansion of Cement Plant (from 500 TPD-1000 TPD), Cement Grinding Unit at Dag. No. 292,287,286,296, Patta No. 27 & 41, Village – Bhamoraguri, Gaon Panchayat – Kuhumtali, Sub- Division Samaguri, Nagaon by M/s K.D. Cements – Environmental Clearance Letter No. SEIAA.47/2013/78 dated 25th March 2014

Sl. No. as per letter dated 25 th March' 2014 of State Environment Impact Assessment Authority		Action to be taken	Compliance
SPEC	IFIC CONDITIONS		
from the concerned Departments statutory clearance ce including 'No Objection Certificate' the concerned department		The company has obtained necessary statutory clearance certificate from the concerned department and got 'NOC' from the Pollution Control Board Assam.	Complied
(2)	Cement Grinding should be carried out in closed cement mill and stack emissions from various sources shall not exceed 50 mg/Nm3. As proposed, cyclone separator followed by reverse pulse jet type bag filter shall be provided along with stacks of adequate height as per the CPCB guidelines to control gaseous emission below 50 mg / Nm3. Stacks of adequate height shall be provided to DG sets. Continuous on – line monitors for particulate emissions shall be installed in stacks. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.	Cement grinding is being carried out in closed circuit cement mill and reverse pulse jet type bag filter with 100% polyster Non Woven felt with PTFE Membrane Laminated bag has provided to maintain the stack emission limit as per the guideline of CPCB. An adequate height has provided to cement mill and D.G. Set as well. On-line CEMS for particulate emission has installed in stack. Interlocking facility is also provided in the pollution control equipment. All the conditions are being followed by the project proponent.	Complied With. Adequate heights of stacks are being maintained and CEMS for continuous monitoring of dust is provided. Monthly stack emission report is attached at annexure -1.
(3)	Ambient air quality monitoring stations (AAQMS) shall be set up as per requirement in consultation with the SEIAA Assam, Assam Pollution Control Board (ASPCB). Ambient air quality including ambient noise monitoring shall be carried out regularly in consultation	AAQ monitoring station has been set up as per the guideline given by ASPCB. All the monitoring works such as AAQ, Noise, Stack & fugitive are being carried out by third party and the report are maintained accordingly and are	Complied With. AAQ monitoring station has provided, as per the guideline.



	with SEIAA Assam and must not exceed the standards stipulated under EPA. Monitoring reports for ambient air, stack and fugitive emissions shall be submitted to the SEIAA, Assam, Regional Office MOEF at Shillong and PCB, Assam half-yearly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	submitted to respective boards on half yearly basis. The calibration is being done time to time for the instruments used for AAQ monitoring by the third party.	
(4)	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading / unloading points and all the transfer points. Dust extraction systems comprising of hoods, ducts, bag house, ID Fans and exhaust ducts shall be provided to control the dispersion of fugitive dust. Bag filters shall be provided for de-dusting of storages and auxiliaries in different departments to control fugitive emissions. Fugitive dust emissions from all the sources including storage areas shall be collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	The company has installed adequate nuisance bag filters for controlling the fugitive dust emission at particular places. The dust collected is being recycled back in the process. A closed roof shade has constructed for the storage of raw materials, water sprinkler are provided in the raw materials stock yard and cement bags loading area.	Complied With. Nuisance bag filters has provided to mitigate the fugitive dust emission. Water sprinkling is being done to control fugitive dust emission
(5)	Asphalting/Concreting of roads and water spray all round the stock yard and loading / unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It's shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	In order to control fugitive dust emission, regular water sprinkling is being done in all over the plant premises and especially in critical dust prone areas for maintaining the standard limit given by the CPCB. The company has completed at least 95% of concreting of internal road of factory premises.	Complied With. Water sprinkling is being done to control fugitive dust emission

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(6)	Efforts shall be made to reduce impact of transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials should be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored and comply standard limit.	The company assures that all the raw materials/ products are transported with proper precautions and vehicular emission is being monitored regularly.	Complied With
(7)	Total ground water requirement for the cement plant shall not exceed 16m3 /day. Clarifier and sludge pond shall be provided for removal of suspended solids. Oil and grease shall be removed from the contaminated water by means of oil traps and skimming devices. Treated wastewater shall be utilized for dust suppression and green belt development inside - the plant premises. No liquid effluent shall be discharged from the process outside the premises and all the treated wastewater shall be utilized for green belt development and other plant related activities 'Zero' effluent discharge shall be maintained. Domestic wastewater shall be treated through septic tank and dispose off through soak pit.	Company ensures that total ground water consumption will not exceed form 16 m ³ /day for industrial and domestic process. Company is complying 'Zero' discharge. The domestic waste water is being treated and dispose off through soak pit Hence the mentioned limit is maintained.	Complied With. Water consumption is being monitored on regular basis.
(8)	Prior 'Permission' for drawl of additional quantity of 4m3 /day ground water from the State Ground Water Board / Central Ground Water Authority (SGWB / CGWA) shall be obtained and a copy submitted to the SEIAA, Assam within 3 months of issue of environmental clearance letter.	The company has got NOC for drawl of underground water vide NOC No.CGWA/NOC/IND/REN/1/2021/ 5872, Dated – 14/03/2021 Valid Upto -13/03/2024	Agreed to complied With
(9)	Solid waste viz dust generated from air pollution control equipments shall be properly recycled and reutilized in the cement plant itself. No solid waste shall be discharged from the grinding unit. Treated domestic sludge shall be used as manure for green belt development. Used/ spent oil shall be sold to authorized recyclers / preprocessors.	Solid waste generated from the air pollution control equipment are being properly collected and reutilized in the plant itself. No solid waste is discharged and treated domestic sludge is used as manure for green belt development.	Complied With Solid waste from pollution control equipment is being utilized with raw materials.



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(10)	As proposed, green belt shall developed in 7,548 m^2 (33%) out of total 22,872 m^2 area mitigate the impact of fugitive emissions in an around the expansion project as per the CPCB and action plan is to be submitted to SEIAA, Assam.	Development of green belt up to 33% of the project area i.e. 7,548 m3 of land is developed as green belt.	Complied With Plantation detail is attached a Annexure -II	
(11)	All the recommendations mentioned in the Corporate Social Responsibility or Environmental Protection (CREP) shall be followed and complied.	The company abides to follow and comply all the recommendations mentioned in the CSR or CREP activities.	Complied with	
(12)	adopted. The Company must also harvest the rain water from the roof tops and storm water drains to recharge the ground water and used the same water for the various activities of the project to conserve fresh water. Action taken so far in this regard shall be intimated to SEIAA, Assam.taken by the company.		Complied with	
(13) Excess water along storm water during monsoon should not be discharged into the surrounding low lying area. The storm water during monsoon will be collected in a pond and after appropriate		The company has excavated a pond for collection of excess water along storm water during monsoon and after appropriate treatment it is stored in reservoir for use in plantation and dust suppression etc.	Complied with	
(14)	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% fly ash utilization shall be ensured as per fly ash notification of MoEF, Government of India. Utilized fly ash and bottom ash shall be stored in the ash pond separately through high concentration slurry disposal method. Mercury - levels along with other heavy metals (Pb, Cr, As, etc.) should monitored in the fly ash / bottom ash, leachates and effluents emanating from the ash pond. Ash pond shall be lined with HDPE / LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke	Fly ash in dry form is being stored in closed storage facility and 100% fly ash is utilized in the process. Adequate safety measures are provided. No wet fly ash is being utilized by the company.	Complied With	

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	from getting breached.		
(15)	Adequate safety measures shall be provided in the plant area to check / minimize spontaneous fires in coal yard, especially during summer season. Details of these measures to be taken along with location plant layout shall be submitted to the SEIAA, Assam.	Safety manual and procedures are defined and well maintained to check any likely accidents/incidents. Since, coal is not being used by company for manufacturing process, chances of spontaneous fires in coal is nil. For other fire accident adequate safety measures are implemented.	Complied With.
(16)	Storage facility for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made in the plant area where risk is Minimum. On site and off site Disaster Management Plans shall be prepared to meet any eventuality in case of an accident taking place. Mock drills shall be conduct regularly and based on the same, modifications required, if any shall be incorporated in the Disaster Management Plan (DMP). Sulfur content in the liquid fuel will not exceed 0.5%.	Disaster management plan to meet the eventuality in case of accident has prepared and defined. Mock drill is being conducted regularly accordingly. Sulfur content of liquid fuel is also being monitored.	Complied With
(17)	Regular monitoring of ground water in and around the ash pond shall be carried out, records maintained and half yearly reports shall be furnished to the SEIAA, Assam.	As 100% dry fly ash is being utilized in the process and so no ash pond is required, therefore contamination of ground water due to wet ash is not possible.	Complied With
(18)	First aid and sanitation arrangements shall be made for the drivers and other contract workers.	First aid & sanitation arrangements are made for the workers.	Complied With
(19)	An Environmental Cell comprising of at least one expert in environmental science / engineering, occupational health and social scientist, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization and he shall be held responsible for implementation of environmental regulations and social impact improvement/ mitigation	The company has appointed an EHS officer to monitor and mitigate environmental measures.	Complied With
	measures.	ements	



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(20)	The company shall provide housing for labour within the site with all necessary infrastructure and facilities such as fuel for cooking, toilets, STP, Safe drinking water, medical health care, etc.	step in this regards by constructing a residential colony, medical health	Complied With
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A. GENERAL CONDITIONS

In respect of the Cement Grinding Unit the following general conditions shall be adhered to the project proponent:

(1)	The project authority must adhere to the stipulations made by Pollution Control Board (Assam) and State Government.	The company adheres the stipulation made by PCB Assam & state government	Agreed for compliance.	
(2)	No further expansion or modification of the plant shall be carried out without prior approval of SEIAA, Assam.	The company assures that no further expansion or modification of plant shall be carried out without prior approval of SIEAA.	Agreed for compliance.	
(3)	At least four ambient air quality – monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM _{2.5} , PM ₁₀ , SO ₂ and Nox are anticipated in consultation with the SEIAA, Assam, and PCB Assam. Data on ambient air quality and stack emissions shall be regularly submitted to this SEIAA, Assam, Regional Office, MoEF at Shillong once in six months.	As per the guidelines of PCB Assam, AAQ/Stack emission monitoring is being carried out on regular basis and the reports are submitted to respective boards on half yearly basis.	Complied with	
(4)	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May'1993 and 31 st December'1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	There is no generation of industrial waste water in our plant premises.	Complied With	

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(5)	The overall noise levels in and around the plant area shall be kept well within the standards (75dBA in day time) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, viz 75dBA (day time) and 70dBA(night time)	The overall noise levels are monitored and are kept within the standard prescribed limit as specified under EPA 1986.	Complied With
(6)	Proper housekeeping and adequate occupational health programmes must be taken up. All the persons working in the sensitive areas shall wear protective covers. Occupational Health Surveillance programme shall be done on a regular basis and records maintained. The programme must include lung function and sputum analysis test once in six month.	The company has maintained housekeeping inside plant premises and provided PPE's for all workers/staffs working in the company. Health surveillance program are organized time to time.	Complied With
(7)	The company shall undertake eco- development measures including community welfare measures in the project area.	The company has undertaken the eco-development and community welfare measures in the project area.	Complied With
(8)	The Project Proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.		Complied With
(9)	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	The company separate environment management team to carry out management and monitoring factions directly under the control of senior executive.	Partially complied with

K D Lements d' Manager

(10)	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures and judiciously utilized for the implementation of conditions stipulated by the Ministry of Environment and Forests as well as the State Govt. The funds so provided shall not be diverted for any other purposes.	The company has managed the separate accounts for the fund of the environmental protection and aspects. The detailed expenditure is submitted to concerned board time to time.	Complied With
(11)	The SEIAA, Assam shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	The compliance report and the monitored data along with statically inter predation will be submitted to SIEAA, Assam on half yearly basis.	Complied With
(12)	The Project Authorities shall inform the SEIAA, Assam as well as the RO MoEF, the date of the financial closure and final approval of the project by the concerned authorities and the date of commencing the expansion project.	The company assures that before commencing the expansion project, prior information would be given to SIEAA, Assam as well as RO MoEF respectively.	Agreed for compliance.
(13)	The Project Proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA, Assam and will be seen at Website of the SEIAA, Assam.	The company has given advertisement of EC Clearance to the local news paper and also mentioned that it could be seen at website of the SEIAA, Assam.	Complied With
(14)	The SEIAA, Assam or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the SEIAA, Assam.	The company agrees to the stipulated conditions.	Agreed for compliance.
	The SEIAA, Assam may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	The company agrees to comply all the condition stipulated in the EC.	Agreed for compliance.







Vill:Bhomraguri ,P.O.Rangagora , Distt- Nagaon

DETAILS OF PLANTATION AT K.D.CEMENTS

EXISTING

Sl.no.	Name of Tree/Plant	No of Tree /Plant	Remarks
01	Debdaru	106	
02	Mango	20	
03	Jolphai	1	
04	Guava	6	
05	Shimolu	25	
06	Wood Apple (Bel)	4	
07	Bakul	6	
08	Kajubadam	1	
09	Poma (Lali)	5	
10	Jigar	1	
11	Ghura Neem	2	
12	Neem	6	
13	Gomhari	1	
14	Kuali	9	
15	Uhat	1	
16	Koroi	4	
17	Bogori	3	
18	Shunaru	1	
19	Chiku	1	
20	Mousumi	1	
21	Karaish	1	
22	Kothal	3	
23	Arjun .	11	
24	Aula	1	
25	Khejur	2	
26	Jamun	6	
27	Krishna Sura	5	
28	Defal	1	
	Tot	tal234 nos	

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Vill:Bhomraguri ,P.O.Rangagora , Distt- Nagaon

PLANTED WHICH WERE

Sl.no.	Name of Tree/Plant	No of Tree /Plant	Remarks
01	Dalim	4	
02	Jammun	6	
03	Neem	19	
04	Mango	5	
05	Jalphai	C	
06	Kordoi	5	
07	Kathal	5	
08	Lichi	10	
09	Bogoni	10	
10	Bakul	16	
11	Krishna Sura	30	
12	Orange	5	
13	Tamul	6	
14	Arjun	11	
15	Hilikha	7	
16	Wood Apple (Bel)	9	
17	Ahat	4	
18	Plam	4	
19	Debdaru	38	
20	Kadam	2	
	Total	202 nos	

Note :- A total of 5000 saplings of 50 native species have been planted in our premises under the guidance of Dr. Shantanu K Dutta, Sc D of Central Pollution Control Board, Regional Directorate, Shillong. The method uses only local native species and it helps in development of Environmental Protection Forest.

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Vill:Bhomraguri ,P.O.Rangagora , Distt- Nagaon

PHOTOGRAPHS OF PLANTATIONS



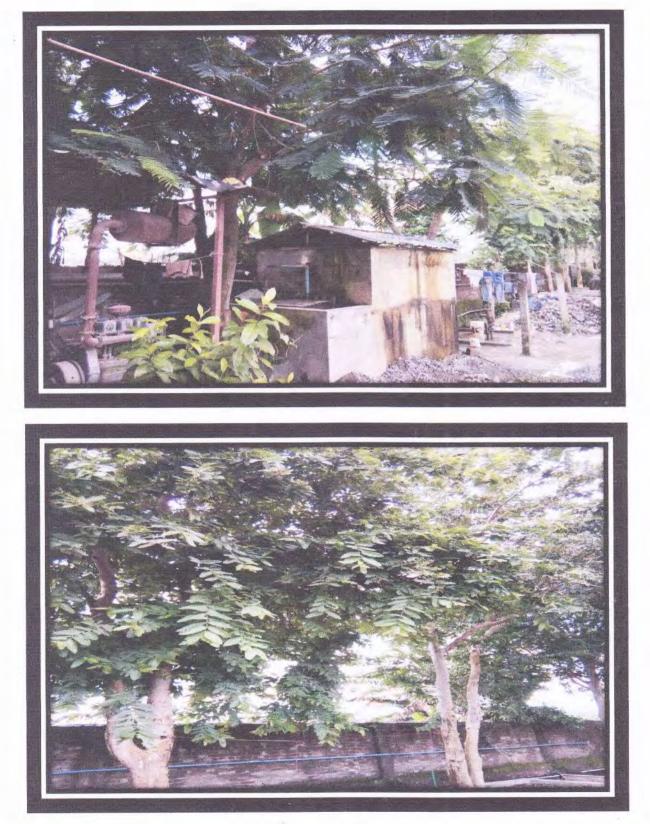








Vill:Bhomraguri ,P.O.Rangagora , Distt- Nagaon



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Vill:Bhomraguri ,P.O.Rangagora , Distt- Nagaon



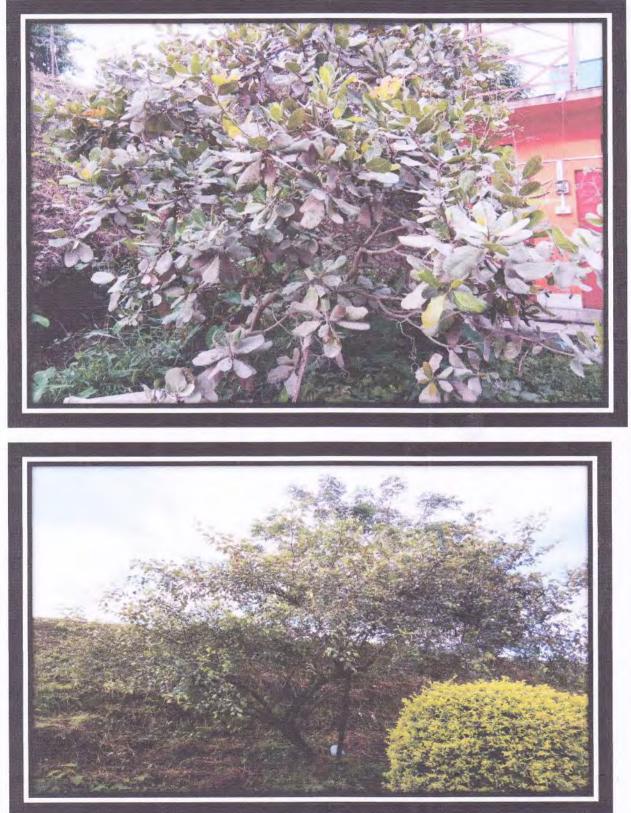








Vill:Bhomraguri ,P.O.Rangagora , Distt- Nagaon



K.D. Cem A R. Manager





Vill:Bhomraguri ,P.O.Rangagora , Distt- Nagaon



NEW PLANTATION



LD. Lemer Astric Manager





Vill:Bhomraguri ,P.O.Rangagora , Distt-Nagaon





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TEST REPORT Rep.No. AAAR_1503155_01_034 (9) SAMPLE ID: EETNE/FEB/15/23

Date: 23/02/2023 ULR NO.:TC76692300000038F

Issued to

Sample Drawn By : UTPAL BEZBARUAH Sampling Plan & Procedure

Analysis Duration Sampling Instrument Used Pollution Control Device, if any

1

: EETNE/SOP/01 : 17/02/2023, 18/02/2023 TO 22/02/2023

M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

: AMBIENT AIR SAMPLER/RDS : YES/NO

SL.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER		PARAMET	TERS	
NO.				PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	NO ₂ (μg/m ³)	SO ₂ (µg/m ³)
i)	17/02/2023	Near Main Gate		54.3	32.6	20.5	10.7
ii)		Near Mill House	-	57.7	34.8	22.1	12.4
iii)	18/03/2022	Near Clinker Go down	Clear	59.1	35.0	23.8	13.3
iv)	18/02/2023	Near Green Belt Area		52.6	30.3	19.7	9.5

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB 18:275 PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

SI. No.	Pollutant	Tool Mark - 4		Concentration in Ambient Air
0020		Test Method	Time Weighted Average	Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/	Annual	50
-		СРСВ	24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/	Annual	40
-		CPCB	24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	1.00
4	Particulate Matter (PM _{2.5}), µg/m ³	USEPA FRM 40CFR Part 50, 53 Appendix- L FEM	Annual	40
	(****2.3// F3 / m	Candidate Method-I	24 hours	60

For Envision Enviro Technologies North East, Guwahati E-MEYEMNO

Utpal Bezbaruah (Environmental Chemist) Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

Note: i) The results relate to the tested parameters & items sample.

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

-- END OF REPORT-

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Asstt. Manager House No. 6, Jut Floo ub-Sarania, Chandmari, Cuwahat-761003, Assami-Sankardev Path

Photos - Parl 181 10106/015 F in all : envisionghy@gmail.com t visit us at : www.en-vision.in

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Rep.N SAMP	o. 230223_1503 LE ID: EETNE/FE	NANALYSIS REPORT 155_01_035(多句) B/15/23	Da U	ate: 23/02/2023 LR NO.:TC766923000000038F
M/s. k Vill: B P.O. R	<u>& Address</u> : K.D. Cements, homraguri, angagora, Nagaon, Assam.			
SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) (µg/m³)	Remarks
i)	17/02/2023	Near Mill House	1293	-Water spraying is done to control the fugitive emission.
i)	40/00	Near Fly Ash Conveyor Belt	1317	-All materials are stored in
ii)	18/02/2023			closed sheds to mitigate
Metho	od used for Fug iment used= R	<u>Near Packing Section</u> itive= IS 5182(PART IV) 19 DS	1375 99/CPCB	fugitive emission.
Metho	od used for Fug iment used = R	itive= IS 5182(PART IV) 19 DS	99/CPCB	fugitive emission.
Metho	iment used= R	itive= IS 5182(PART IV) 19 DS	nviro Technologi	es North East, Guwahati
Metho Instru Utr	od used for Fug ument used= R July Dal Bezbaruah onmental Chemi	itive= IS 5182(PART IV) 19 DS For Envision En	99/CPCB	fugitive emission.

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Page 1 of 1

House No. 5, 1st Floor, Sankardev Path, Pub-Saranis, Chandmari, Curvahati-781003, Assain.

Phone 1 421 86 11096 201 te-mail : envisionghy@gmail.com tvisit us at - www.en-vision.in

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		TEST REPORT		
D.G SET N	OISE LEVEL MEASU	IREMENT REPOR	I	
Rep.No. DNL SAMPLE ID:	MR_1503155_06A_036 EETNE/FEB/15/23	1891		ate: 23/02/2023 TC76692300000038F
<u>Name & Add</u> M/s. K.D. Co Vill: Bhomra P.O. Rangag Dist : Nagao Assam.	ements, Iguri, Iora,			*
SL. DATE OF NO. SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Sound Pressure Level of DG in dB(A)
i) 17/02/23	250 KVA - DG Set	58.0	71.0	70.77
ii)	1500 KVA - DG Set	57.3	72.5	72.3
Sampling In	halysis : IS 4758 :1968 strument Used : SLM1 <u>e Standards</u> : Noise limit	00 SLNO484-I-22, 5		°C-2013)
Method of a Sampling In <u>DG Set Nois</u> Utpal Be	strument Used : SLM1	00 SLNO484-I-22, \$	o distance. To Technologies I D	North East/Auvahati
Method of a Sampling In DG Set Nois Utpal Be (Environme Note: i) The	strument Used : SLM1	00 SLNO484-I-22, s viz. 75 dB(A) at 1m For Envision Envis	o distance. To Technologies I D (A ample.	North East/All wahati Guangli-3 r. Pranita Chakraborty (Quality Manager) Authorized Signatory)
Method of a Sampling In DG Set Nois Utpal Be (Environme Note: i) The	strument Used : SLM1	00 SLNO484-I-22, s viz. 75 dB(A) at 1m For Envision Envis	o distance. To Technologies I (A ample. without written ap	North East/All wahati Guangli-3 r. Pranita Chakraborty (Quality Manager) Authorized Signatory)

Phone : +91-88110962011 e-mail : envisionghy@gmail.com t visit us at : www.en-vision.in

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TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT Rep.No. ANLMR_1503155_06A_037 / 3%

Date: 23/02/2023 ULR NO.:TC76692300000038F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Day Time (6:00 am to 10:00 pm)
i)		Near Main Gate	73.0
ii)	18/02/2023	Near Office Building	71.3
iii)		Near Green Belt Area	68.5
iv)	17/02/2023	Near Cement Mill	73.7

Remarks: Noise level is carried out during 75% of the Day Time.

Method of analysis : : IS 9989 :1981RA :2014

Sampling Instrument Used : SLM100 SLNO484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

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

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah (Environmental Chemist)

Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

Note: i) The results relate to the tested parameters & items sample. ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Manager

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CTA	OV ANALYONG	DEDODT	TEST RE	PORT		
Rep.	CK ANALYSIS	155_01_038	୫୩୲		Date: 23/02/ NO.:TC7669	2023 2300000038F
Issu	ed to : M	/s. K.D. Ceme	nts, Vill: Bhomr	aguri, P.O. Rangag	ora, Dist : Na	gaon, Assam.
Sam Anal Sam	ple Drawn By pling Plan & Pr lysis Duration pling Instrume ution Control D	nt Used	: EETN : 17/0	AL BEZBARUAH E/SOP/01 2/2023 TO 22/02/ K SAMPLER/STACH 'ES		
SL. NO.	DATE OF SAMPLING	STACK DE	SCRIPTION	PARAMETE Particulate M	atter	REMARKS
)	17/02/2023	Stack attach 250 KV	ed to DG set- /A	(g/kwhr) 0.017		-Data is within the permissible limit
	ssion Standards	for Diesel En	gine for genera	tor set :		
	Engine Pow	er(P)	Par	rameter	1	Standards
	56KW <p≤5< td=""><td>60KW</td><td>Particu</td><td>late Matter</td><td></td><td>0.02 g/kwhr</td></p≤5<>	60KW	Particu	late Matter		0.02 g/kwhr
ii)	17/02/2023	Stack attac 1500 H	hed DG Set- (VA		′Nm ³) ′1.8	enclosure.
,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7	1.8	
	aton Chandanda	1				
Emis	sion Standards	motor			Chandand	
	Para Particula	meter ate matter is: IS 11255	5 Part-III:202	8 RA	Standards 75mg/Nm	
Met	Para Particula thod of analys Utpal Bezbarua vironmental Ch	ate matter sis: IS 11255 ah nemist)		sion Enviro Teom Dr. Pra (Qual (Autho	75mg/Nm	₃ h East, Guwahati orty
Met (En	Para Particula thod of analys Utpal Bezbarua vironmental Ch : i) The results re	ate matter sis: IS 11255 ah nemist)	For Envis	sion Enviro Teom Dr. Pra (Qual (Autho items sample. t in full, without writt	75mg/Nm o Technolo ologies Nort Muy nita Chakrab lity Manager orized Signate	з h East, Guwahati orty pry)
Met (En	Para Particula thod of analys Utpal Bezbarua vironmental Ch : i) The results re	ate matter sis: IS 11255 ah nemist)	For Envis	sion Enviro Teom Dr. Pra (Qual (Autho	75mg/Nm ologies Nort Muy nita Chakrab ity Manager) prized Signate	з h East, Guwahati orty pry)
Met (En	Para Particula thod of analys Utpal Bezbarua vironmental Ch : i) The results re	ate matter sis: IS 11255 ah nemist)	For Envis	sion Enviro Teom Dr. Pra (Qual (Autho items sample. tin full, without writt OF REPORT	75mg/Nm ologies Nort Muy nita Chakrab ity Manager) prized Signate	³ h East, Guwahati orty pry)

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STACK ANALYSIS REPORT Rep.No. SAR_1503155_01_039

Date: 23/02/2023 ULR NO.:TC76692300000038F

Issued to

: M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

TEST REPORT

Sample Drawn By	
Sampling Plan & Procedure	
Analysis Duration	
Sampling Instrument Used	
Pollution Control Device, if any	

: UTPAL BEZBARUAH : EETNE/SOP/01 : 18/02/2023 TO 22/02/2023 : STACK SAMPLER/STACK KIT : YES/NO

SL.	DATE OF	STACK	PARAMETERS	REMARKS
NO.	SAMPLING	DESCRIPTION	Particulate Matter (mg/Nm ³)	 Bag filter is attached to Cement mill.
i)	18/02/2023	Stack attached to CEMENT MILL	25.2	 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Method of analysis: IS 11255 Part-I		30mg/Nm ³
F	or Envision Enviro Techn	nologies North East, Guwahati
Utrael Bashamush	300	hang King) R
Utpal Bezbaruah (Environmental Chemist)	(Quai	ínita Chakraborty lity Manager) orized Signatory)

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TEST REPORT

Rep.No. AAAR_1503155_01_015

Date: 24/01/2023 ULR NO.:TC76692300000013F

Issued to

M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. : UTPAL BEZBARUAH

Sample Drawn By Sampling Plan & Procedure Analysis Duration Sampling Instrument Used Pollution Control Device, if any

: EETNE/SOP/01 : 18/01/2023, 19/01/2023 TO 23/01/2023 : AMBIENT AIR SAMPLER/RDS : YES/NO

	DATE OF	LOCATION/			PARAMET	TERS	
SL. NO.	SAMPLING	SOURCE	WEATHER	ΡM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	NO ₂ (μg/m ³)	SO ₂ (μg/m ³)
i)		Near Main Gate		54.7	32.3	19.5	11.6
ii)	18/01/2023	Near Mill House	-	56.9	34.0	21.0	13.1
iii)		Near Clinker Go down	Clear	58.8	34.9	23.6	13.9
iv)	19/01/2023	Near Green Belt Area	-	53.0	31.5	18.1	10.2

Remarks: - Samplings done under annual based.

Method of analysis: For SO₂ = IS:5182 Part-II/ CPCB, NO₂ = IS:5182 Part-VI/ CPCB PM₁₀ = IS:5182 Part-XXIII/CPCB, PM_{2.5} = USEPA FRM 40CFR Part 50, 53 Appendix- L FEM Candidate Method-I

NATIONAL AMBIENT AIR QUALITY STANDARDS:

	1			Concentration in Ambient Air
SI. No.	Pollutant	Test Method	Time Weighted Average	Industrial, Residential, Rura and Other Area
-	Sulphur Dioxide	IS:5182 Part-II/	Annual	50
1	(SO ₂), μg/m ³	CPCB	24 hours	80
		IS:5182 Part-VI/	Annual	40
2	Nitrogen Dioxide (NO ₂), µg/m ³	CPCB	24 hours	80
	-	IS:5182 Part-XXIII/ CPCB	Annual	60
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-AAIII/ CPCB	24 hours	100
4	Particulate Matter	USEPA FRM 40CFR Part 50,	Annual	40
4	(PM _{2.5}), µg/m ³	53 Appendix- L FEM Candidate Method-I	24 hours	60

For Envision Enviro Technologies North East, Guwahati Guwa plai

Utpal Bezbaruah (Environmental Chemist)

K.D. Cements Actt

Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

Note: i) The results relate to the tested parameters & items sample. ii) The test report shall not be reproduced except in full, without written approval of laboratory.

----- END OF REPORT--

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Rep.No SAMPL		ANALYSIS REPORT 55_01_016 /88기 1/13/23	Dat UL	e: 24/01/2023 R NO.:TC766923000000013F
M/s. K Vill: Bl P.O. Ra	<u>& Address</u> : .D. Cenients, nomraguri, angagora, Nagaon, Assam.			
SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) (µg/m³)	Remarks
	18/01/2023	Near Mill House	1305	-Water spraying is done to control the fugitive emission.
i)	10/01/2023	Near Fly Ash Conveyor Belt	1325	-All materials are stored in
ii)	19/01/2023		1388	closed sheds to mitigate fugitive emission.
ii) Moth	ad used for Eug	Near Packing Section itive= IS 5182(PART IV) 19		
	tpal Bezbaruah		Enviro Technolog	echnolog ies North East, Guwahati Multi-3 Chakraborty Aanager)
	tpal Bezbaruah ironmental Chen		Enviro Technolog Cuy Dr. Franita (Quality M	ies North East, Guwahati
(Env	i) The results relat		Enviro Technolog Dr. Franita (Quality N (Authorize s sample.	ies North East, Guwahati hw 3 Chakraborty Manager) d Signatory)
(Env	i) The results relat	nist) e to the tested parameters & items hall not be reproduced except in fu	Enviro Technolog Dr. Franita (Quality M (Authorize s sample. ull, without written a	ies North East, Guwahati hw 3 Chakraborty Manager) d Signatory)
(Env	i) The results relat	nist) e to the tested parameters & items hall not be reproduced except in fu	Enviro Technolog Dr. Franita (Quality M (Authorize s sample. ull, without written a	ies North East, Guwahati Chakraborty Manager) d Signatory)

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D.No. DNLM MPLE ID: El me & Addre 's. K.D. Cen l: Bhomrag O. Rangago st : Nagaon sam. DATE OF AMPLING 8/01/23 marks: Nois face. thod of ana	LOCATION /SOURCE 250 KVA - DG Set 1500 KVA - DG Set	IggA DG Background Noise 58.0 57.5 during day time a A :2017	Da ULR NO.:TC Measured Sound 72.0 73.2 t a distance 1me	Actual Sound Pressure Level of DG in dB(A) 71.82 73.08 etre from the enclosure
MPLE ID: El me & Addre /s. K.D. Cen II: Bhomrag O. Rangago st : Nagaon sam. DATE OF AMPLING 8/01/23 marks: Nois face. thod of ana	ETNE/JAN/13/23 <u>ess:</u> nents, uri, ra, , LOCATION /SOURCE 250 KVA - DG Set 1500 KVA - DG Set 1500 KVA - DG Set se level is carried out	DG Background Noise 58.0 57.5 during day time a A :2017	ULR NO.:TC Measured Sound 72.0 73.2 t a distance 1me	Actual Sound Pressure Level of DG in dB(A) 71.82 73.08 etre from the enclosure
rs. K.D. Cen II: Bhomrag O. Rangago st : Nagaon sam. DATE OF AMPLING 8/01/23 marks: Nois face. thod of ana	hents, uri, ra, , LOCATION /SOURCE 250 KVA - DG Set 1500 KVA - DG Set 1500 KVA - DG Set se level is carried out	Noise 58.0 57.5 during day time a A :2017	Sound 72.0 73.2 t a distance 1me	Level of DG in dB(A) 71.82 73.08 etre from the enclosure
AMPLING 8/01/23 marks: Nois face. thod of ana	/SOURCE 250 KVA - DG Set 1500 KVA - DG Set se level is carried out	Noise 58.0 57.5 during day time a A :2017	Sound 72.0 73.2 t a distance 1me	Level of DG in dB(A) 71.82 73.08 etre from the enclosure
marks: Nois face. thod of ana	1500 KVA - DG Set se level is carried out lysis : IS 4758 :1968R	57.5 during day time a A :2017	73.2 t a distance 1me	73.08 etre from the enclosure
marks: Nois face. thod of ana	se level is carried out lysis : IS 4758 :1968R	during day time a	t a distance 1me	etre from the enclosure
face. thod of ana	lysis : IS 4758 :1968R	A :2017		- LANH R.
alle .		For Envision Envir		Gulanti-3) =
			(· Pranita Chakraborty Quality Manager) uthorized Signatory)
e: i) The res ii) The tes	sults relate to the tested part of the tested part shall not be repr	parameters & items s oduced except in full,	ample. without written ap	proval of laboratory.
		END OF REPOR		NABL ACCREDITED
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ייו	Dtpal Bezt vironment	Dtpal Bezbaruah vironmental Chemist) e: i) The results relate to the tested ii) The test report shall not be repr	For Envision Envir Detroit Bezbaruah vironmental Chemist) e: i) The results relate to the tested parameters & items so ii) The test report shall not be reproduced except in full, END OF REPOR	Itpal Bezbaruah Dr. vironmental Chemist) ((A) e: i) The results relate to the tested parameters & items sample. (A) ii) The test report shall not be reproduced except in full, without written ap END OF REPORT

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Asstt. Manager

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Enviro Technologies North East

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NO.

i)

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Area

Code

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Recognized by Pollution Control Board, Assam **TEST REPORT** AMBIENT NOISE LEVEL MEASUREMENT REPORT Date: 24/01/2023 Rep.No. ANLMR_1503155_06A_018 (887 SAMPLE ID: EETNE/JAN/13/23 ULR NO.:TC76692300000013F Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. DATE OF LOCATION /SOURCE SAMPLING NOISE LEVEL in dB(A)Leq Day Time (6:00 am to 10:00 pm) Near Main Gate 72.2 19/01/2023 **Near Office Building** 70.4 Near Green Belt Area 67.8 18/01/2023 Near Cement Mill 74.1 Remarks: Noise level is carried out during 75% of the Day Time. Method of analysis : : IS 9989 :1981RA :2014 Sampling Instrument Used : SLM100 SLNO484-I-22, SLM 100 (213 DTC-2013) Ambient Noise Standards: Limits in dB(A) Leq **Category of area** Day (6:00 am to 10:00 pm) Night (10:00 pm to 6:00 am) **Industrial Area** 75 70 **Commercial Area** 65 55 **Residential Area** 55 45 Silence Zone 50 40

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah (Environmental Chemist) Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

Note: i) The results relate to the tested parameters & items sample. ii) The test report shall not be reproduced except in fu!l, without written approval of laboratory.

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CT		DEDODT	TEST RE	PORT		
Rep	ACK ANALYSIS D.No. SAR_1503 MPLE ID: EETNE,	155 01 019	87		ate: 24/01/ D.:TC766923	2023 3000000013F
Issu	ued to : M	/s. K.D. Ceme	nts, Vill: Bhomra	iguri, P.O. Rangago	ora, Dist : N	agaon, Assam.
	nple Drawn By			L BEZBARUAH		
Ana San	npling Plan & Pr alysis Duration npling Instrume lution Control D	ent Used	: 18/01	E/SOP/01 E/2023 TO 23/01/ K SAMPLER/STACK ES		
SL.	DATE OF	STACK DE	SCRIPTION	PARAMETER		DEMARKS
10.	SAMPLING	STACK DE	SCRIPTION	Particulate Ma (g/kwhr)		-Data is within
	18/01/2023	Stack attache 250 KV		0.018		the permissible limit
Emi	ission Standards	s for Diesel En	gine for generat	or set :		
	Engine Pow	er(P)	Par	ameter		Standards
	56KW <p≤5< td=""><td>60KW</td><td>Particu</td><td>late Matter</td><td></td><td>0.02 g/kwhr</td></p≤5<>	60KW	Particu	late Matter		0.02 g/kwhr
NO.		Stack attac	ned DG Set-	(mg/	ate Matter Nm ³)	- DG set is with acous enclosure.
-		1500 K	(VA	7:	3.0	1
Emi	ission Standards	i : meter			Chan In	
		ate matter			Standard 75mg/Nr	
Me	thod of analys	iis: IS 11255	Part-III:2008 For Envis	ion Enviro Techno	Dologies Nor	th East, Guwahati
	1		K.D. Cemp	nts Dr. Prar	hita Chakral	porty
	Utpal Bezbarua		The Section			
	nvironmental Ch	nemist)	Asst Manapor	(Autho	ity Manager rized Signat	
	e: i) The results re	nemist)	ed parameters & i	(Autho	rized Signat	tory)
	e: i) The results re	nemist)	ed parameters & i eproduced except	(Autho	en approval c	tory)

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STACK ANALYSIS REPORT Rep.No. SAR_1503155_01_020なそう SAMPLE ID: EETNE/JAN/13/23 TEST REPORT

Date: 24/01/2023 ULR NO.:TC76692300000013F

Issued to

: M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagoon, Assam.

Sample Drawn By Sampling Plan & Procedure Analysis Duration Sampling Instrument Used Pollution Control Device, if any : UTPAL BEZBARUAH : EETNE/SOP/01 : 19/01/2023 TO 23/01/2023 : STACK SAMPLER/STACK KIT : YES/NO

SL.	DATE OF	STACK	PARAMETERS	REMARKS
NO.	SAMPLING	DESCRIPTION	Particulate Matter (mg/Nm ³)	 Bag filter is attached to Cement mill.
i)	19/01/2023	Stack attached to CEMENT MILL	26.4	 50% bag house is replaced to mitigate the effect of particulate matter.

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³

Method of analysis: IS 11255 Part-III:2008 RA

4164

For Envision Enviro Technologies North East, Guwahati

Tech

GREAN

Utpal Bezbaruah (Environmental Chemist) K.D. Cements Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

Note: i) The results relate to the tested parameters & items sample. ii) The test report shall not be reproduced except in full, without written approval of laboratory.

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	Rep.No. AAAR SAMPLE ID: EET	150315 NE/DE	5 01 946035	T REPO	RT		Date: 2 ULR M	9/12 NO.:T	/2022 C766922000	000866F
3	Issued to :	м,	/s. K.D. Cements, Vi	ill: Bhomra	aguri	i, P.O. Rang				
	Sample Drawn B Sampling Plan 8 Analysis Duratic Sampling Instru Pollution Contro	By & Proce on ument U	dure : Ised :	UTPAL B EETNE/S 21/12/20	BEZB OP/0 022, 1	ARUAH	2 TO 27	-		ann.
SL.	DATE OF SAMPLING		CATION/	1			PAR	AMET	ERS	
NO.				WEATH	ER	РМ ₁₀ (µg/m ³)	PM; (µg/n	2.5	NO ₂ (μg/m ³)	SO2
i) ii)	21/12/2022		Main Gate			53.2	20.		17.7	(µg/m ³) 10.4
i)			Mill House		Ī	55.8	21.	.6	19.5	11.8
1)		Near	Clinker Go down	Clear	-	-	-			
()	22/12/2022	-				58.0	23,	.5	21.4	12.2
R M Pi	Remarks: - Samp Method of analys M10 = IS:5182 Par	Near Dlings d sis: For t-XXIII/	Green Belt Area one under annual bi SO ₂ = IS:5182 Part-II ′CPCB, PM _{2.5} = USEPA	/ CPCB, NO FRM 40CFR		51.9	18.	7	15.0	9.3
R M Pr <u>N</u> SI.	Remarks: - Samp Method of analys M10 = IS:5182 Par MATIONAL AMBII	Near olings d sis: For t-XXIII/ ENT AIF	Green Belt Area one under annual bi SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA R QUALITY STANDAI	/ CPCB, NO FRM 40CFR RDS:	0 ₂ = I Part	51.9 S:5182 Part- 50, 53 Apper	18. VI/ CPCE ndix- L FE	7 3 EM Car	15.0 ndidate Method	9.3 1-1
R M Pr <u>N</u> SI.	Remarks: - Samp Method of analys M ₁₀ = IS:5182 Par MATIONAL AMBII Pollutant Sulphur	Near olings d sis: For t-XXIII/ ENT AIF	Green Belt Area one under annual bi SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA R OUALITY STANDAI	/ CPCB, NO FRM 40CFR RDS:	0 ₂ = I Part	51,9 S:5182 Part- 50, 53 Apper	18. VI/ CPCE ndix- L FE	7 3 EM Car Conc Indu	15.0 adidate Method entration in An Istrial, Reside Other Area	9.3
R M Pr No.	Remarks: - Samp Method of analys M ₁₀ = IS:5182 Par MATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³	Near olings d sis: For t-XXIII/ ENT AIF	Green Belt Area one under annual bi SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA R QUALITY STANDAI Test Method IS:5182 Part-II/ CPCB	/ CPCB, NO FRM 40CFR RDS:	D ₂ = IS Part Time	51,9 S:5182 Part- 50, 53 Apper Weighted Av	18. VI/ CPCE ndix- L FE	7 3 EM Car Conc Indu	15.0 ndidate Method	9.3 I-I ential, Rura
R M Pl No. 1	Remarks: - Samp Method of analys M ₁₀ = IS:5182 Par MATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³	Near Dlings d sis: For t-XXIII/ ENT AIF Dioxide	Green Belt Area one under annual bi SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA R QUALITY STANDAI Test Method IS:5182 Part-II/ CPCB IS:5182 Part-VI/ CPCB	/ CPCB, NO FRM 40CFR RDS:	D ₂ = IS Part Time Annua	51.9 S:5182 Part- 50, 53 Apper Weighted Av	18. VI/ CPCE ndix- L FE	7 3 EM Car Conc Indu	15.0 adidate Method entration in Austrial, Reside Other Area 50	9.3 d-I ential, Rura
R Pr No. 1 2 3	Remarks: - Samp Method of analys M ₁₀ = IS:5182 Par NATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³ Nitrogen (NO ₂), µg/m ³ Particulate (PM ₁₀), µg/m ³	Near olings d sis: For t-XXIII/ ENT AIF Dioxide Dioxide Matter	Green Belt Area one under annual ba SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA R QUALITY STANDAL Test Method IS:5182 Part-II/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-XXIII/	/ CPCB, NO FRM 40CFR RDS:	D ₂ = IS Part Time	51.9 S:5182 Part- 50, 53 Apper Weighted Av	18. VI/ CPCE ndix- L FE erage nours	7 3 EM Car Conc Indu	15.0 entration in Ar istrial, Reside Other Area 50 8 40 8 60	9.3 d-I ential, Rura
R M Pr No. 1 2	Remarks: - Samp Method of analys M ₁₀ = IS:5182 Par MATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³ Nitrogen (NO ₂), µg/m ³ Particulate	Near Dlings d sis: For t-XXIII/ ENT AIF Dioxide	Green Belt Area one under annual ba SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA ROUALITY STANDAI Test Method IS:5182 Part-II/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-XXIII/ USEPA FRM 40CFR Pa 53 Appendix- L FEM	/ CPCB, NO FRM 40CFR RDS:	D ₂ = IS Part Time Annua	51.9 S:5182 Part- 50, 53 Apper Weighted Av	18. VI/ CPCE ndix- L FE erage nours nours	7 3 EM Car Conc Indu	15.0 entration in Ar istrial, Reside Other Area 50 8 40 8	9.3 d-I ential, Rura
R Pr No. 1 2 3	Remarks: - Samp Method of analys M ₁₀ = IS:5182 Par MATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³ Nitrogen (NO ₂), µg/m ³ Particulate (PM ₁₀), µg/m ³	Near olings d sis: For t-XXIII/ ENT AIF Dioxide Dioxide Matter	Green Belt Area one under annual bi SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA COUALITY STANDAL Test Method IS:5182 Part-II/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-XXIII/ USEPA FRM 40CFR P2	/ CPCB, NO FRM 40CFR RDS:	D ₂ = IS Part Time Annua	51.9 S:5182 Part- 50, 53 Apper Weighted Av	18. VI/ CPCE ndix- L FE erage nours ours ours	7 3 EM Car Conc Indu	15.0 entration in Ar istrial, Reside Other Area 50 8 40 8 60 10	9.3 d-I ential, Rura 0 0
M Pr No. 1 2 3	Remarks: - Samp Method of analys $M_{10} = IS:5182$ Par MATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³ Nitrogen (NO ₂), µg/m ³ Particulate (PM ₁₀), µg/m ³ Particulate (PM _{2.5}), µg/m ³	Near olings d sis: For t-XXIII/ ENT AIF Dioxide Dioxide Matter Matter	Green Belt Area one under annual ba SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA COUALITY STANDAI Test Method IS:5182 Part-II/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-XXIII/ USEPA FRM 40CFR Pa 53 Appendix- L FEM Candidate Method-I For E	/ CPCB, NO FRM 40CFR RDS: A A CPCB A art 50, A	2 = IS Part Time Annua Annua Annua	51.9 S:5182 Part- 50, 53 Apper Weighted Av	18. VI/ CPCE ndix- L FE erage nours ours ours ours	Conc Indu and Car	15.0 entration in An Istrial, Reside Other Area 50 8 40 8 60 10 40	9.3 d-I mbient Air ential, Rura 0 0
R Pr No. 1 2 3 4	Remarks: - Samp Method of analys M ₁₀ = IS:5182 Par MATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³ Nitrogen (NO ₂), µg/m ³ Particulate (PM ₁₀), µg/m ³ Particulate (PM _{2.5}), µg/m ³	Near olings d sis: For t-XXIII/ ENT AIF Dioxide Dioxide Matter Matter	Green Belt Area one under annual ba SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA COUALITY STANDAI Test Method IS:5182 Part-II/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-XXIII/ USEPA FRM 40CFR Pa 53 Appendix- L FEM Candidate Method-I For E	/ CPCB, NO FRM 40CFR RDS: A CPCB A art 50, A	2 = IS Part Time Annua Annua Annua	51.9 S:5182 Part- 50, 53 Apper Weighted Av U 24 h 24 h 1 24 h 1 2 4 h 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	18. VI/ CPCE ndix- L FE erage nours ours ours ours ours ours ours ours	Conc Indu and Car	15.0 entration in Ai istrial, Reside Other Area 50 8 40 8 60 10 40 61 East, Guwah	9.3 d-I mbient Air ential, Rura 0 0
R Pr No. 1 2 3 4	Remarks: - Samp Method of analys $M_{10} = IS:5182$ Par MATIONAL AMBII Pollutant Sulphur (SO ₂), µg/m ³ Nitrogen (NO ₂), µg/m ³ Particulate (PM ₁₀), µg/m ³ Particulate (PM _{2.5}), µg/m ³	Near olings d sis: For t-XXIII/ ENT AIF Dioxide Dioxide Matter Matter	Green Belt Area one under annual bas SO ₂ = IS:5182 Part-II (CPCB, PM _{2.5} = USEPA COUALITY STANDAN Test Method IS:5182 Part-II/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-VI/ CPCB IS:5182 Part-XXIII/ USEPA FRM 40CFR Pa 53 Appendix- L FEM Candidate Method-I For E	/ CPCB, NO FRM 40CFR RDS: A A CPCB A art 50, A	2 = IS Part Time Annua Annua Annua	51.9 S:5182 Part- 50, 53 Apper Weighted Av	18. VI/ CPCE ndix- L FE erage nours ours ours ours ours ours ours ours	Conc Induand (and (an)	15.0 entration in Ai ustrial, Reside Other Area 50 8 40 60 10 40 61 East, Guwah	9.3 d-I mbient Air ential, Rura 0 0

- Page 1 of 1

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Rep.No. 221229_1503155_01_947			Date: 29/12/2022 ULR NO.:TC766922000000866F		
M/s. H Vill: B P.O. R	<u>e & Address</u> : K.D. Cements, Bhomraguri, Rangagora, Nagaon, Assam.	i l			
SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) (µg/m³)	Remarks	
i)	21/12/2022	Near Mill House	1290	-Water spraying is done to	
ii)	22/12/2022	Near Fly Ash Conveyor Belt	1312	control the fugitive emission.	
				closed 1 1	
iii) Metho Instru	od used for Fug ument used= R	Near Packing Section itive= IS 5182(PART IV) 19 DS	1364 99/CPCB	closed sheds to mitigate fugitive emission.	
Metho	od used for Fug ument used= R	itive= IS 5182(PART IV) 19 DS	99/CPCB	closed sheds to mitigate fugitive emission.	
Metho	al Bezbaruah	itive= IS 5182(PART IV) 19 DS	99/CPCB	Closed sheds to mitigate fugitive emission.	

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TEST REPORT D.G SET NOISE LEVEL MEASUREMENT REPORT Rep.No. DNLMR_1503155_06A_948 SAMPLE ID: EETNE/DEC/18/22 Date: 29/12/2022 ULR NO .: TC76692200000866F Name & Address: M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. SL. DATE OF LOCATION DG Background Measured Actual Sound Pressure NO. SAMPLING **/SOURCE** Noise Sound Level of DG in dB(A) i) 250 KVA - DG Set 21/12/22 56.8 73.2 73.0 ii) 22/12/22 1500 KVA - DG Set 58.1 72.0 71.81 Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure Method of analysis : IS 4758 :1968RA :2017 Sampling Instrument Used : SLM100 SLNO484-I-22 DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance. For Envision Enviro Technologies North Ea st, Guwahati K.D. Centents Utpal Bezbaruah Dr. Pranita Chakraborty (Environmental Chemist) (Quality Manager) (Authorized Signatory) Note: i) The results relate to the tested parameters & items sample. ii) The test report shall not be reproduced except in full, without written approval of laboratory. -----END OF REPORT-----NABL ACCREDITED

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TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. ANLMR_1503155_06A_949 SAMPLE ID: EETNE/DEC/18/22

Date: 29/12/2022 ULR NO .: TC76692200000866F

M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. Issued to

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
			Day Time (6:00 am to 10:00 pm)
i)	22/12/2022	Near Main Gate	71.5
ii)	23/12/2022	Near Office Building	/1.5
iii)			69.9
m)	21/12/2022	Near Green Belt Area	67.0
iv)	24/12/2022	Near Cement Mill	87.0
		Near Cement Min	73.2

Remarks: Noise level is carried out during 75% of the Day Time. Method of analysis : : IS 9989 :1981RA :2014 Sampling Instrument Used : SLM100 SLNO484-I-22

Ambient Noise Standards:

Area Code	Category of area	Limi	ts in dB(A) Leg
A		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	(10.00 phi to 6:00 am)
В	Commercial Area	65	70
С	Residential Area	55	55
D			45
U	Silence Zone	50	40



For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah (Environmental Chemist)

K.D. Cements

Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

CHN/

t Manager Note: i) The results relate to the tested parameters & items sample. ii) The test report shall not be reproduced except in full, without written approval of laboratory.

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Recognized by Pollution Control Board, Assam **TEST REPORT** STACK ANALYSIS REPORT Rep.No. SAR_1503155_01_950 Date: 29/12/2022 SAMPLE ID: EETNE/DEC/18/22 ULR NO.: TC76692200000866F M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. Issued to 1 Sample Drawn By : UTPAL BEZBARUAH Sampling Plan & Procedure : EETNE/SOP/01 Analysis Duration : 21/12/2022 TO 26/12/2022 Sampling Instrument Used : STACK SAMPLER/STACK KIT Pollution Control Device, if any : NØ/YES SL. DATE OF STACK DESCRIPTION PARAMETERS NO. REMARKS SAMPLING Particulate Matter (g/kwhr) -Data is within Stack attached to DG setthe permissible limit 21/12/2022 i) 250 KVA 0.168 Emission Standards for Diesel Engine for generator set : **Power Category** Emission Limit (g/kwhr) **Particulate Matter** More than 75 kw upto 800 kw ≤0.2 PARAMETERS REMARKS SL. DATE OF STACK DESCRIPTION NO. SAMPLING Particulate Matter - DG set is with acoustic (mg/Nm^3) ii) 21/12/2022 enclosure. Stack attached DG Set-1500 KVA 70.4 Emission Standards : Parameter Standards Particulate matter 75mg/Nm³ Method of analysis: IS 11255 Part-III:2008 RA EGHNO For Envision Enviro Technologies North East, Guwahati C.D. Coments Utpal Bezbaruah Dr. Pranita Chakraborty (Environmental Chemist) (Quality Manager) (Authorized Signatory) Note: i) The results relate to the tested parameters & items sample. ii) The test report shall not be reproduced except in full, without written approval of laboratory. -----END OF REPORT---

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Rep. SAM	CK ANALYSIS No. SAR_15031 PLE ID: EETNE/1	REPORT 55_01_951 部分 DEC/18/22	ULRI	ate: 29/12/2022 0.:TC766922000000866F
Sam Sam Anal Sam	ple Drawn By pling Plan & Pro ysis Duration pling Instrumen tion Control Dev	: U1 cedure : EE : 22 t Used : ST	mraguri, P.O. Rangagoi PAL BEZBARUAH TNE/SOP/01 /12/2022 TO 27/12/2 ACK SAMPLER/STACK I S/NO	ra, Dist : Nayaon, Assam. 022 KIT
SL.	DATE OF	STACK	PARAMETERS	REMARKS
NO.	SAMPLING	DESCRIPTION	Particulate Matter (mg/Nm ³)	 Bag filter is attached t Cement mill.
i)	22/12/2022	Stack attached to CEMENT MILL	27.1	 50% bag house is replaced to mitigate th effect of particulate matter.
<u>Emiss</u>	ion Standards :			matter.
Catey	ory of Industry	Paran	neter	Standards
Ce	ement	Particulat	e matter	30mg/Nm ³
				е. с.

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TEST REPORT

Rep.No. AAAR_1503155_01_896 SAMPLE ID: EETNE/NOV/16/22

Date: 24/11/2022 ULR NO.:TC76692200000838F

Issued to 1

M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By Sampling Plan & Procedure **Analysis Duration** Sampling Instrument Used Pollution Control Device, if any

: UTPAL BEZBARUAH : EETNE/SOP/01 : 18/11/2022, 19/11/2022 TO 23/11/2022 : AMBIENT AIR SAMPLER/RDS : YES/NO

SL.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER		PARAME	TERS	
NO.				РМ ₁₀ (µg/m ³)	PM _{2.5} (μg/m ³)	NO ₂ (μg/m ³)	SO ₂ (μg/m ³)
i)	18/11/2022	Near Main Gate		54.0	21.5	16.7	10.2
ii)	10/11/2022	Near Mill House		56.3	22.0	19.1	10.2
iii)	10/11/2022	Near Clinker Go down	Clear	57.4	23.8	20.5	1
iv)	19/11/2022	Near Green Belt Area	-				11.7
	Remarks: - Same	lings done under annual h		52.6	19.1	13.2	9.0

iplings done under annual based.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

SI. No.	Pollutant	Test Method		Concentration in Ambient Air
		reschethod	Time Weighted Average	Industrial, Residential, Rural
1	Sulphur Dioxide	IS:5182 Part-II/	A	and Other Area
	(SO ₂), μg/m ³	CPCB	Annual	50
2	Nitrogen Dioxide		24 hours	30
	(NO ₂), µg/m ³	IS:5182 Part-VI/	Annual	40
3	-	СРСВ	24 hours	80
-	Particulate Matter (PM ₁₀), μg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
4			24 hours	
4	Particulate Matter	IS:5182 (Part-24):2019	Annual	100
	(PM _{2.5}), µg/m ³			40
			24 hours	60

Utpal Bezbaruah (Environmental Chemist)

D. Certents

Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

4001 01

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For Envision Enviro Technologies North East, Guwahati

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

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FUGITIVE EMISSION ANALYSIS REPORT

Rep.No. 221124_1503155_01_897

Date: 24/11/2022 ULR NO.:TC766922000000838F

Name & Address: M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

i) ii) iii) Methe Instri	18/11/2022 19/11/2022 od used for Fug ument used= R	Near Mill House Near Fly Ash Conveyor Belt Near Packing Section itive= IS 5182(PART IV) 19	1283 1327	-Water spraying is done to control the fugitive emission. -All materials are stored in
iii) Methe	od used for Fug	Near Packing Section		-All materials are stored in
Meth	od used for Fug	itive= IS 5182(PAPT TV) 10		
Instr	ument used= R	itive= IS 5182(PART IV) 19	1375	closed sheds to mitigate fugitive emission.
	bal Bezbaruah onmental Chemis		nviro Technologie Dr. Pranita Cl (Quality Ma	ay S Morth East, Guwahati nakraborty

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Asatz Manager

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			TEST REPOR	Ľ	
	D.G SET N	OISE LEVEL MEAS	UREMENT REPO	RT	
	Rep.No. DNL	MR 1503155 064 800			
	SAMPLE ID: I	EETNE/NOV/16/22	1860	ULR NO	Date: 24/11/2022 .:TC766922000000838F
	Name & Addr M/s. K.D. Ce Vill: Bhomra P.O. Rangage Dist : Nagaon Assam.	ments, guri, ora,			*
L. 0.	DATE OF SAMPLING	LOCATION	DG Background	Measured	Actual Sound Pressure
		/SOURCE	Noise	Sound	. Actual Sound Pressure Level of DG in dB(A) Leq
)	18/11/22	250 KVA - DG Set	57.0	71.9	71.75
)	19/11/22	1500 KVA - DG Set	57.5	73.2	73.08
1 41	Method of ana Sampling Inst	Ilysis : IS 4758 :1968R rument Used : Lutror <u>Standards</u> : Noise limit v	A :2017 n SL-4033SD, HTC S	L 1350	etre from the enclosure
1 41	Method of ana Sampling Inst	Ilysis : IS 4758 :1968R rument Used :Lutror	A :2017 n SL-4033SD, HTC S	L 1350	etre from the enclosure
1 41	Method of ana Sampling Inst	Ilysis : IS 4758 :1968R rument Used :Lutror	A :2017 n SL-4033SD, HTC S viz. 75 dB(A) at 1m	L 1350 distance.	
<u>I</u>	Method of ana Sampling Inst	Ilysis : IS 4758 :1968R rument Used : Lutror Standards: Noise limit v	A :2017 n SL-4033SD, HTC S viz. 75 dB(A) at 1m	L 1350 distance.	orth East, Guwahati
<u>I</u>	Method of ana Sampling Inst	Ilysis : IS 4758 :1968R rument Used : Lutror Standards: Noise limit v	A :2017 n SL-4033SD, HTC S viz. 75 dB(A) at 1m	L 1350 distance. Technologies N Dr. (Q	orth East, Guwahati
<u>I</u> <u>I</u> (1	Method of ana Sampling Inst DG Set Noise S Utpal Bezba Environmental	Ilysis : IS 4758 :1968R rument Used : Lutror Standards: Noise limit v Fruah I Chemist)	A :2017 n SL-4033SD, HTC S viz. 75 dB(A) at 1m For Envision Enviro	L 1350 distance. Technologies N Dr. (Q (Au	orth East, Guwahati Defaita Chakraborty Wality Manager) thorized Signatory)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method of ana Sampling Inst DG Set Noise S Utpal Bezba Environmental	Ilysis : IS 4758 :1968R rument Used : Lutror Standards: Noise limit v Standards in Noise limit v	A :2017 n SL-4033SD, HTC S viz. 75 dB(A) at 1m For Envision Enviro	L 1350 distance. Technologies N Dr. (Q (Au	orth East, Guwahati Defaita Chakraborty Wality Manager) thorized Signatory)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Method of ana Sampling Inst DG Set Noise S Utpal Bezba Environmental	Standards: Noise limit of the para report shall not be repro	A :2017 5 SL-4033SD, HTC S viz. 75 dB(A) at 1m For Envision Enviro	L 1350 distance. Technologies N Dr. (Q (Au	orth East, Guwahati Defaita Chakraborty Wality Manager) thorized Signatory)

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		TEST REPORT	
SA	AMPLE ID: EETNE,	E LEVEL MEASUREMENT REPOR 03155_06A_899 /NOV/16/22 K.D. Cements, Vill: Bhomraguri, P.O. 1	Date: 24/11/2022 ULR NO.:TC766922000000838F
SL.	DATE	1	
NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
i)	A. Decker	Near Main Gate	Day Time (6:00 am to 10:00 pm)
ii)	19/11/2022	Near Office Building	72.2
iii)		Near Green Belt Area	69.1
iv)	18/11/2022	Near Cement Mill	66.7
	market Notes	l is carried out during 75% of the Day	73.9
ea	bient Noise Stand Category of area	Lim	nits in dB(A) Leg
ea		Lim	
ea de		Lim Day (6:00 am to 10:00 pm)	nits in dB(A) Leq Night (10:00 pm to 6:00 am)
ea ode A : B (Category of area Industrial Area Commercial Area	Lim Day (6:00 am to 10:00 pm) 75	nits in dB(A) Leq Night (10:00 pm to 6:00 am) 70
ea ode A : B (C I	Category of area Industrial Area Commercial Area Residential Area	Lim Day (6:00 am to 10:00 pm) 75 65	nits in dB(A) Leq Night (10:00 pm to 6:00 am) 70 55
rea ode A : B (C I	Category of area Industrial Area Commercial Area	Lim Day (6:00 am to 10:00 pm) 75	nits in dB(A) Leq Night (10:00 pm to 6:00 am) 70
rea ode A : B (C I D S	Category of area Industrial Area Commercial Area Residential Area Silence Zone	Eim Day (6:00 am to 10:00 pm) 75 65 55 50 For Envision Enviro Tech	nits in dB(A) Leq Night (10:00 pm to 6:00 am) 70 55 45 40 nologies North East, Guwahati Rhay Dr. Pranita Chakraborty
rea ode A C D S L (En	Category of area Industrial Area Commercial Area Residential Area Silence Zone Utpal Bezbaruah nvironmental Che	Eim Day (6:00 am to 10:00 pm) 75 65 55 50 For Envision Enviro Tech	nits in dB(A) Leq Night (10:00 pm to 6:00 am) 70 55 45 40 nologies North East, Guwahati MAU Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory) nout written approval of laboratory.

Asstt. Manager

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	0.No. SAR_1503 APLE ID: EETNE	/NOV/16/22			56922000000838F
Issu	ued to : M	/s. K.D. Ceme	nts, Vill: Bhomr	aguri, P.O. Rangagora, Dist :	Nagaon, Assam.
San Ana San	nple Drawn By npling Plan & Pr lysis Duration npling Instrume ution Control D	ent Used	: EETNI : 19/1	AL BEZBARUAH E/SOP/01 1/2022 TO 23/11/2022 K SAMPLER/STACK KIT ES	
SL. NO.	STACK DES		SCRIPTION	PARAMETERS Particulate Matter	REMARKS
)	19/11/2022	Stack attach 250 KV	A	(g/kwhr) 0.18	-Data is within the permissible limit
Emi	ssion Standards	for Diesel En	gine for generat	or set :	
	Power Categ	lory		Emission Limit (g/l	(whr)
Mor	e than 75 kw up	oto 800 kw		Particulate Matt	er
				≤0.2	
SL.		STACK	DESCRIPTIO	PARAMETERS	REMARKS
NO.	SAMPLING 19/11/2022	Stack attack	ad DC Set	Particulate Matter (mg/Nm ³)	- DG set is with acoust enclosure.
_		1500 K		72.4	
Emis	sion Standards	:			
	Para	meter		Standa	rds
	Particula	te matter		75mg/N	
Met					
ı	Jtpal Bezbarual		For Envisio	on Enviro Technologies Dr. Pranita Chakra (Quality Manage (Authorized Signa	borty er)

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TEST REPORT STACK ANALYSIS REPORT Rep.No. SAR_1503155_01_901 / 9.6 Date: 24/11/2022 SAMPLE ID: EETNE/NOV/16/22 ULR NO .: TC766922000000838F : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. Issued to Sample Drawn By : UTPAL BEZBARUAH Sampling Plan & Procedure : EETNE/SOP/01 Analysis Duration : 18/11/2022 TO 22/11/2022 Sampling Instrument Used : STACK SAMPLER/STACK KIT Pollution Control Device, if any : YES/NO PARAMETERS REMARKS SL. DATE OF STACK NO. SAMPLING DESCRIPTION Particulate Matter Bag filter is attached to (mg/Nm^3) Cement mill. Stack attached to i) 18/11/2022 50% bag house is CEMENT MILL 25.9 replaced to mitigate the effect of particulate matter. **Emission Standards :** Category of Industry Parameter Standaros Cement Particulate matter 30mg/Nm³ Method of analysis: IS 11255 Part-III:2008 RA For Envision Enviro Technologies North East, Guwahati Utpal Bezbaruah Dr. Pranita Chakraborty (Environmental Chemist) (Quality Manager) (Authorized Signatory) 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 laboratory. ----- END OF REPORT----NABL ACCREDITED Page 1 of 1 Asst. Manager Path, Pub-Sarania, Chandmari, Guwahati-781003, Assam.

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Certificate No. 1C-/669

TEST REPORT Rep.No. AAAR_1503155_01_850/841 SAMPLE ID: EETNE/OCT/15/22

Date: 26/10/2022 ULR NO.: TC76692200000826F

Issued to

2

M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

Sample Drawn By Sampling Plan & Procedure **Analysis Duration** Sampling Instrument Used Pollution Control Device, if any

: UTPAL BEZBARUAH : EETNE/SOP/01 : 21/10/2022, 22/10/2022 TO 26/10/2022 : AMBIENT AIR SAMPLER/RDS : YES/NO

SL.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
NO.				PM ₁₀ (μg/m ³)	PM _{2.5} (μg/m ³)	NO ₂ (μg/m ³)	SO ₂ (µg/m ³)
i)	21/10/2022	Near Main Gate	-	55.6	21.4	18.9	10.6
ii)	21/10/2022	Near Mill House		57.1	22.3	19.7	11.4
iii)	22/10/2022	Near Clinker Go down	Clear	58.0	24.2	20.4	13.7
iv)	22/10/2022	Near Green Belt Area		53.3	19.7	16.5	9.8

NATIONAL AMBIENT AIR QUALITY STANDARDS:

SI. No.	Pollutant	Test Math - 1	and the second sec	Concentration in Ambient Air
		Test Method	Time Weighted Average	Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/	Annual	50
		CPCB	24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/	Annual	40
-		CPCB	24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
4			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	IS:5182 (Part-24):2019	Annual	40
	·		24 hours	60

Utpal Bezbaruah (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

* Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

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 laboratory.

END OF REPORT-Asett, Manzgar

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Pub-Sarania, Chandmari, Guwahate78 House No. 6, 1st Sloop Sankarde

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NABL ACCREDITED

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TEST REPORT FUGITIVE EMISSION ANALYSIS REPORT Rep.No. 221026_1503155_01_851 % Date: 26/10/2022 SAMPLE ID: EETNE/OCT/15/22 ULR NO .: TC76692200000826F Name & Address: M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. SL. DATE OF NO. SAMPLING LOCATION/ SOURCE Fugitive (SPM) Remarks $(\mu g/m^3)$ -Water spraying is done to i) 21/10/2022 Near Mill House 1266 control the fugitive emission. ii) Near Fly Ash Conveyor Belt 1297 -All materials are stored in 22/10/2022 closed sheds to mitigate iii) Near Packing Section 1352 Method used for Fugitive= IS 5182(PART IV) 1999/CPCB fugitive emission. Instrument used = RDS Viro Tech, For Envision Enviro Technologies North East, Guwahati GARREN visi Utpal Bezbaruah Dr. Pranita Chakraborty (Environmental Chemist) (Quality Manager) (Authorized Signatory)

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 laboratory.

END OF REPORT-----



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Certificate No. TC-7669 **TEST REPORT** D.G SET NOISE LEVEL MEASUREMENT REPORT Rep.No. DNLMR_1503155_06A_852 / 8 Date: 26/10/2022 SAMPLE ID: EETNE/OCT/15/22 ULR NO.:TC766922000000826F Name & Address: M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. SL. DATE OF LOCATION DG Background Measured Actual Sound Pressure NO. SAMPLING /SOURCE Noise Sound Level of DG in dB(A) Leg 21/10/22 i) 250 KVA - DG Set 57.8 71.0 70.78 ii) 22/10/22 1500 KVA - DG Set 57.9 72.6 72.45 Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface. Method of analysis : IS 4758 :1968RA :2017 all' Sampling Instrument Used : Lutron SL-4033SD, HTC SL 1350 DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance. For Envision Enviro Technologies North East, Guwahati Utpal Bezbaruah Dr. Pranita Chakraborty (Environmental Chemist) (Quality Manager) (Authorized Signatory) 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 laboratory. -----END OF REPORT-----C.D. Cements



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Phone : +91 8811096201 e-mail : envisionghy@gmail.com





TEST REPORT

AMBIENT NOISE LEVEL MEASUREMENT REPORT Rep.No. ANLMR_1503155_06A_853

Date: 26/10/2022 ULR NO.:TC76692200000826F

Issued to : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq	
			Day Time (6:00 am to 10:00 pm)	
i)		Near Main Gate	71.5	
ii)	22/10/2022	Near Office Building	70.3	
iii)	Sugar water	Near Green Belt Area	67.9	
iv)	21/10/2022	Near Cement Mill	73.2	

Remarks: Noise level is carried out during 75% of the Day Time. Method of analysis : : IS 9989 :1981RA :2014 Sampling Instrument Used : Lutron SL-4033SD, HTC SL 1350

Ambient Noise Standards:

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

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah (Environmental Chemist)

al Dr. Pranita Chakraborty (Quality Manager) (Authorized Signatory)

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 laboratory.



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Asstt. Manager

House No. 6, 1st Floor, Sankardev Path, Pub-Sarania, Chandmari, Guwahati-781003, Assam.

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TEST REPORT STACK ANALYSIS REPORT Rep.No. SAR_1503155_01_854 SAMPLE ID: EETNE/OCT/15/22 Date: 26/10/2022 ULR NO.:TC76692200000826F : M/s. K.D. Cements, Vill: Bhomraguri, P.O. Rangagora, Dist : Nagaon, Assam. Issued to Sample Drawn By : UTPAL BEZBARUAH Sampling Plan & Procedure : EETNE/SOP/01 Analysis Duration : 21/10/2022 TO 26/10/2022 Sampling Instrument Used : STACK SAMPLER/STACK KIT Pollution Control Device, if any : NØ/YES SL. DATE OF STACK DESCRIPTION PARAMETERS NO. SAMPLING REMARKS Particulate Matter (g/kwhr) Stack attached to DG set--Data is within i) 21/10/2022 the permissible limit 250 KVA Emission Standards for Diesel Engine for generator set : 0.172 **Power Category** Emission Limit (g/kwhr) More than 75 kw upto 800 kw Particulate Matter ≤0.2 SL. PARAMETERS DATE OF STACK DESCRIPTION REMARKS NO. SAMPLING Particulate Matter - DG set is with acoustic ii) (mg/Nm^3) 21/10/2022 Stack attached DG Setenclosure. 1500 KVA 70.4 Emission Standards : Parameter Particulate matter Standards 75mg/Nm³ Method of analysis: IS 11255 Part-III:2008 RA Tech, For Envision Enviro Technologies North East, Guwahati Utpal Bezbaruah Dr. Pranita Chakraborty (Environmental Chemist) (Quality Manager) (Authorized Signatory). 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 laboratory. END OF REPORT-----Page 1 of 1 Acet. Managar House No. 6, 1st Floor, Sankardev Path, Pub-Sarania, Chandmari, Guwahati-781003, Assam.





SAMPLE ID: EETNE/(EFORT 55_01_855	ULF	Date: 26/10/2022 X NO.:TC766922000000826F
Sample Drawn By Sampling Plan & Prod Analysis Duration Sampling Instrument Pollution Control Dev	cedure : EE : 22 t Used : ST	PMraguri, P.O. Rangag TPAL BEZBARUAH TNE/SOP/01 2/10/2022 TO 26/10/ ACK SAMPLER/STACK S/NO	ora, Dist : Nagaon, Assam. 2022 KIT
SL. DATE OF	STACK	PARAMETERS	REMARKS
O. SAMPLING	STACK DESCRIPTION	Particulate Matter	
i) 22/10/2022	Stack attached to CEMENT MILL	(mg/Nm ³) 27.3	 Bag filter is attached to Cement mill. 50% bag house is replaced to mitigate the effect of particulate matter.
mission Standards :			matter.
ategory of Industry	Paran	neter	Standards
Cement	Particulate matter		
Method of analysis	s: IS 11255 Part-III:2008		30mg/Nm ³

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