



## TOPCEM INDIA

Correspondence Office:  
Mega Plaza, 5th Floor, Christian Basti  
G.S. Road, Guwahati - 781005, Assam  
Tel.: 0361 2345428/29, 18001233666  
E-mail: mail@topcem.in Fax: 03612345419

Ref: TM/MEF/0A/21-22/03

Date: 15.11.2021

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

SUB.: Submission of Post EC Compliance Report in respect of Cement Grinding Unit (OPC/PPC, 0.66 MTPA) at P.O. Gauripur, District Kamrup Rural, Assam

REF.: ENVIRONMENTAL CLEARANCE LETTER F.No. No. J-11011/608/2009-1A II (I), Dated July 22, 2010.  
Amendment of Environmental Clearance Letter: No. J-11011/608/2009-1A II (I), Dated 2<sup>nd</sup> June, 2011.

Dear Sir,

With reference to the Environmental Clearance obtained from MoEF we are hereby enclosing the Six Monthly Compliance Report for the period April'2021 to September'2021 of Environmental Clearance issued to us.

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

Thanking You.

Yours faithfully,

For M/s. Topcem India  
For TOPCEM INDIA

(Partner)

Partner

Copy to:

1. Member Secretary, Pollution Control Board Assam,  
Bamunimaidam, Guwahati- 21
2. The Scientist 'D'/ Head of Office  
Integrated Regional Office, Guwahati  
Ministry of Environment  
Forest & Climate Change  
4<sup>th</sup> Floor, HOUSEFED Building  
G S Road, Rukmini gaon  
Guwahati - 781022 (Assam)





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Pollution Control Board, Assam  
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Partner

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Near Fire Brigade H.Q- Shillong-793014

RECEIVED  
Pollution Control Board, Assam  
Bamunimaidam, Guwahati  
17/11/2021

# **ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR PERIOD OF APRIL 2021 TO SEPTEMBER 2021**

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

**Submitted By**



**Prepared by**  
ENVISION ENVIRO  
TECHNOLOGIES NORTH EAST

# **Environmental Clearance Compliance Report (April 2021 to September 2021)**



**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR  
THE PERIOD OF APRIL 2021 TO SEPTEMBER 2021**

Name of The Company : M/s. Topcem India

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

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

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

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

**A. Specific conditions:**

Sl.No.	Compliance Conditions	Compliance Status
	including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed	the sources within the latest permissible limits issued by the MoEF guidelines using Bag filters & water sprinkling system and also monitoring the parameters as per guideline.  Adequate dust collection and extraction system to control fugitive dust emissions at various transfer points ,raw material handling, bagging and packing areas etc. are already developed. All conveyers are covered with GI sheets.  Refer <b>Annexure-I&amp;II</b> for monitoring data.
iv.	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw material stock piles should be covered. A closed clinker stockpile system shall be provided. All conveyers should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials should be provided besides coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.	<ul style="list-style-type: none"> <li>▪ We have provided adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw material handling, bagging and packing sections etc. All conveyers are covered with GI sheets. All the raw material stock piles are covered by tarpaulins. Finished products are dispatched by covered wagon or truck to stop fugitive emission during transportation.</li> <li>▪ We have provided 23 numbers of reverse pulse jet type bag filters system in whole plant to control the fugitive emission. Detail of the attached bags is attached as <b>Annexure-III</b>.</li> <li>▪ Covered storage is provided for fly ash and gypsum. For Clinker RCC Silo is provided.</li> <li>▪ Belt Conveyors have been using for transporting of raw materials which are covered with GI sheets.</li> <li>▪ We are receiving fly Ash in bulkers and emptying it in Fly ash silo and fly ash is blending in cement at Ball mill outlet through duct. This is a complete closed circuit process.</li> <li>▪ We are receiving fly Ash in HDPE bags also and after cutting bags we are feeding the fly ash to hopper through covered belt conveyor.</li> </ul>

**A. Specific conditions:**

Sl.No.	Compliance Conditions	Compliance Status
v.	Asphalting/concreting of roads and water spray all around 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 shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	<ul style="list-style-type: none"> <li>Concreting of road has done and upto 87.5% has covered. We ensure that we have installed in total 90 numbers of water Sprinklers around loading/unloading areas, internal roads and near plantation area. Fugitive emission result attached at <b>Annexure-II</b></li> </ul>
vi.	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored.	<p>We have taken all precautions to reduce impact of transport of raw material etc in the surrounding environment including agricultural land. Such as Fly ash is transported in HDPE sealed bags, internal roads of plant are paved and regular sprinkling of water is being done on roads.</p> <p>We have separate parking areas for trucks and PUC certificate of vehicles is checking regularly to control the vehicular emission.</p> <p>The collection of PUC certificate date of Vehicle entering within the plant and in house testing result of PM 2.5 at the truck movement area attached as <b>ANNEXURE IV</b></p>
vii.	Total water requirement for cement plant from bore wells shall not exceed 50 m <sup>3</sup> /day. All the treated wastewater shall be recycled and reused in the process and/ or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged	<ul style="list-style-type: none"> <li>We got NOC from Government of India, Central Ground water Authority (CGWA), for extraction ground water upto 60 m<sup>3</sup>/day.</li> <li>15 m<sup>3</sup>/Day STP treated water is used for plantation and spraying on road to suppress the dust.</li> <li>Our water requirement (fresh +treated water) does not exceeding 75 m<sup>3</sup>/day.</li> </ul>



**A. Specific conditions:**

Sl.No.	Compliance Conditions	Compliance Status
	outside the factory premises and zero discharge shall be adopted.	<ul style="list-style-type: none"> <li>Being a Zero Discharge unit no waste water is generated. Treated water (approx 15 m3/day) by recycle and reuse of the process water after primary use, is consumed daily for dust suppression and green belt development and other plant related activities etc. Sewage Treatment Plant has been constructed and treated waste water reused in gardening and dust suppression.</li> <li>Effluent Treatment Plant has also constructed for recycle water being used in washing of vehicles.</li> <li>No process water is let to go outside the factory and it is included in recirculation system.</li> </ul>
viii.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Rain water harvesting system has been constructed for conservation of rain water and for reducing the consumption of fresh water. Rooftop water is being collected and recharging to the ground.
ix.	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / reproducers only.	<ul style="list-style-type: none"> <li>All the collected dusts from the pollution control devices is recycled and reused in the cement manufacturing process. Spent oil reused in the plant machineries for lubrication. Damaged HDPE bags are sold to the authorized recyclers/reprocessors. Separate storage room for the spent oil and HDPE bags is constructed with proper identification.</li> </ul>
x.	Green belt shall be developed in an area of 33% of total area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	<p>We have developed the green belt inside the plant premises within 22064 square meters which is 33% of total area of plant, to mitigate the effects of pollution in consultation with local DFO.</p> <p>The copy of letter is already submitted to MoEF Regional Office, Shillong along with compliance report for the period of Oct'2015 to</p>

**A. Specific conditions:**

Sl.No.	Compliance Conditions	Compliance Status
		March'2016.
xi.	All the recommendations made in the Chapter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.	All the CREP conditions for the Cement plants are implemented and followed.
xii.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Shillong, ASPCB and CPCB within 3 months of issue of Environment Clearance letter.	Already submitted to Ministry's Regional Office at Shillong, ASPCB and CPCB.  Revised Risk and Disaster Management Plan for M/s TOPCEM INDIA is already submitted with compliance report for period of April'17 to Sep'17.
xiii.	At least 5% of the total cost of the project should be earmarked towards the corporate social responsibility and item - wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program should be ensured accordingly in a time bound manner.	Item-wise details along with time bound action plan 2021-22 for period of April 2021 to September 2021 is prepared and accordingly Corporate Social responsibility activities are being followed. The costing details of CSR activities completed in this period are attached as <b>Annexure-V</b> .
xiv.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The company had provided housing facilities for construction labor with all necessary infrastructure and facilities at the time of project work.

**B. General conditions:**

Sl.No.	Compliance Conditions	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the Assam State Pollution Control Board and the State Government	We are complying with all the stipulation made by the Assam State Pollution Control Board and the State Government.  We have obtained Consent to Operate (CTO) for the year 2021-22 from the board under water Act-1974 and Air Act-1981 vide APCB letter no.: WB/GUW/T-1241/PT-I/12-13/349/05 dated 01/04/2021.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Condition is being followed.
iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Condition is being followed.  Monitoring reports are enclosed as <b>Annexure-I &amp; II</b> .
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2 and NOX are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Shillong and the SPCB/CPCB once in six months.	Four ambient air quality monitoring locations are identified in consultation with Pollution Control Board vide Letter no WB/LB-81/Amb/09-10/33/1327 dated 26th August 2011.  <ul style="list-style-type: none"> <li>Analysis results on ambient air quality and stack emissions test report are attached as <b>Annexure -II</b>.</li> <li>We are regularly submitting six monthly compliance reports to the Ministry's Regional Office, State pollution control board, Assam and Central Pollution control Board Delhi.</li> </ul>
v.	Industrial wastewater shall be properly collected, treated so as to conform to the standards	Being a zero discharge unit no Industrial waste water is generated. We are using Sewage Treatment plant (STP) for treating waste water

**B. General conditions:**

Sl.No.	Compliance Conditions	Compliance Status
	prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	approx 15KL daily. The treated wastewater is being used for plantation and other purpose like spraying on roads and dust suppression.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise control measure i.e. acoustic hoods, silencers and enclosures have been provided with all sources of noise generation so that noise level in and around the plant remain below 85 dB(A).  Noise monitoring reports are enclosed as <b>Annexure-I</b> .
vii.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers is being carried out on regular basis and records are maintained as per the Factories Act. Due to Covid'19 pandemic we could not hold health check up camp but subsequently we hold the Occupational health camp. Surveillance Report of which is attached as <b>Annexure- VI</b> with the Compliance Report.
viii.	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rain water harvesting structure has constructed and we are using it to harvest the rain water during lean season as per direction. The photograph of rain water harvest is already submitted with last compliance Report.
ix.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development	We are complying the protection measures and safeguards recommended in the EIA/EMP report and community development programmes like drinking water supply, etc are initiated in the area. We are undertaking socio-economic development activities in the surrounding villages. We supply drinking water to near by village.  Some of the newspaper advertised copy is



**B. General conditions:**

Sl.No.	Compliance Conditions	Compliance Status
	programmes, educational programmes, drinking water supply and health care etc.	already submitted with previous compliance.
x.	Requisite amount of funds shall be earmarked for the environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Shillong. The funds so provided shall not be diverted for any other purpose.	The fund expenses for environment pollution control measures in FY 2021-22 for period of April 2021 to September 2021 as per EC granted by MOEF is approx 39 Lakh 72 Thousand and 45 Rupees (detail attached with <b>Annexure-VII</b> ) Schedule for implementing all conditions stipulated has already submitted to Regional Office of the Ministry of Environment and Forest at Shillong.
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	No such suggestions/ representations from concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO were received while processing the proposal.  The clearance letter is uploaded on our company website i.e www.topcem.in
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Shillong. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO2, NOx	Status of the compliance of the stipulated environment clearance condition including monitoring data are uploaded in our website i.e. www.topcem.in and also sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the ASPCB.  We are displaying critical pollutants (ambient as well as stack emissions) near our Main gate of Plant.



**B. General conditions:**

Sl.No.	Compliance Conditions	Compliance Status
	(ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Shillong/ CPCB / SPCB shall monitor the stipulated conditions.	We are regularly submitting six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data as stipulated. Last EC Compliance report for the period Oct'2020 to March'21 was submitted by mail on 25 <sup>th</sup> May 2021 due to COVID 19 restriction on movement at MOEF office Shillong ( <a href="mailto:moefro.shillong@gov.in">moefro.shillong@gov.in</a> ), CPCB Zonal Office( <a href="mailto:zoshillong.cpcb@nic.in">zoshillong.cpcb@nic.in</a> ), and PCB, Assam( <a href="mailto:membersecretary@pcbassam.org">membersecretary@pcbassam.org</a> )
xiv.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Shillong by e-mail.	The environmental statement for year ending March 2021 was submitted vides our letter No.TI/MEF/OA/21-22/01 dtd 20 <sup>th</sup> April 2021 at Pollution Control Board Assam and letter No.TI/MEF/OA/21-22/02 at Regional Office of the MoEF Shillong.
xv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the	We have followed the condition as directed.

**B. General conditions:**

Sl.No.	Compliance Conditions	Compliance Status
	clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Shillong.	
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	We have followed the condition.
xvii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	We are agreed with the condition and assure that we are implementing the condition.
xviii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	We are agreed with the condition and assure that we are implementing the condition.
xix.	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act-	We are agreed with the condition and assure that we are implementing the condition.

**B. General conditions:**

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

\*\*\*\*\*

For TOPCEM INDIA

*[Signature]*  
Partner

**Annexure-I**

**Online Stack Monitoring Report**



**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE  
STATEMENT FOR THE PERIOD APRIL'2021 TO  
SEPTEMBER'2021**

Annexure-I

ONLINE OPACITY METER READING MONTH WISE			
<u>APR'2021</u>			
<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	15.62	2.42	15.75
<u>MAY'2021</u>			
<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.50	0.30	16.38
<u>JUN'2021</u>			
<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	13.68	1.25	15.45
<u>JUL'2021</u>			
<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.5	0.1	15.38
<u>AUG'2021</u>			
<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	15.46	2.18	16.35
<u>SEP'2021</u>			
<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	15.66	2.38	16.18



**Annexure-II**

**Air Monitoring Report (ambient air, ambient noise,  
fugitive, DG noise, DG stack , stack monitoring)**

Recognized by Pollution Control Board, Assam

**NABL ACCREDITED**

Certificate No. TC-7889

**TEST REPORT**

**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAAR\_12040009\_01\_875/182  
SAMPLE ID: EETNE/APR/05/21

Date: 13/04/2021  
ULR NO.: TC766921000000357F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 07/04/2021, 08/04/2021 TO 13/04/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
i)	07/04/21	Near Highways & Truck Parking	Clear	55.2	33.0	21.4	9.2
ii)		Near Workshop & Staff Quarter		50.1	31.8	17.7	8.4
iii)	08/04/21	Near Switch Yard		52.4	32.7	20.5	8.8
iv)		Near Truck Tippler		58.0	33.9	22.6	9.7

Remarks: - Samplings were done under annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

Sl. No.	Pollutant	Test Method	Time Average	Weighted	Concentration In Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO <sub>2</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-II/CPCB	Annual	24 hours	50 80
2	Nitrogen Dioxide (NO <sub>2</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI/ CPCB	Annual	24 hours	40 80
3	Particulate Matter (PM <sub>10</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII/ CPCB	Annual	24 hours	60 100
4	Particulate Matter (PM <sub>2.5</sub> ), $\mu\text{g}/\text{m}^3$	USEPA FRM 40CFR Part 50, 53 Appendix- I FEM Candidate Method-I	Annual	24 hours	40 60

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah  
(Environmental Chemist)

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

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

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**D.G SET NOISE LEVEL MEASUREMENT REPORT**

Rep.No. DGNLMR\_12040009\_06A\_876/437  
SAMPLE ID: EETNE/APR/05/21

Date: 13/04/2021  
ULR NO.:TC766921000000357F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Pressure Level of DG in dB(A) Leq	Sound Level of DG
i)	07/04/21	1500 KVA - DG Set 1	56	73.3	73.21	
ii)		1500 KVA - DG Set 2	57.5	73.2	73.08	
iii)	08/04/21	1500 KVA - DG Set 3	57.0	71.4	71.37	
iv)		1500 KVA - DG Set 4	58.4	71.8	71.59	


**Remarks:** Noise level is carried out during day time at a distance 1metre from the enclosure surface.

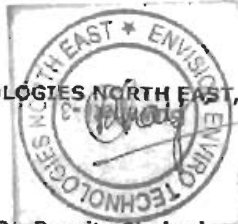
**Method of analysis :** IS 4758 : 1968 RA : 2017

**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**  
(Environmental Chemist)

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

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

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**FUGITIVE EMISSION ANALYSIS REPORT**

Rep.No. 210413\_12040009\_04\_87/412  
SAMPLE ID: EETNE/APR/05/21

Date: 13/04/2021  
ULR NO.:TC766921000000357F

**Name & Address:**

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

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (PM) ( $\mu\text{g}/\text{m}^3$ )	Remarks
i)	07/04/21	Near Main Gate	1050.8	-Water spraying is done to control the fugitive emission.  -All materials are stored in closed sheds to mitigate fugitive emission.
ii)		Near Fly Ash Yard	972.0	
iii)		Near Packing Loading Area	1469.9	
iv)	08/04/21	Near Packing Area	1361.5	
v)		Near Bag Filter	593.7	
vi)		Near Truck Tippler	1106.4	

For Envision Enviro Technologies North East, Guwahati



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

to the parameters tested.  
be reproduced except in full, without written approval of laboratory.

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**AMBIENT NOISE LEVEL MEASUREMENT REPORT**

Rep.No. ANLMR\_12040009\_06A\_878/482  
SAMPLE ID: EETNE/APR/05/21

Date: 13/04/2021  
ULR NO.:TC766921000000357F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
i)	08/04/21	Near Highway & Truck Parking	66.1
ii)		Near Workshop & Staff Quarter	53.2
iii)	07/04/21	Near Packing Plant	60.4
iv)		Near Cement Mill	72.5


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

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


Sampling Instrument Used : Lutron SL-4033SD, HTC SL 1350

**Ambient Noise Standards:**

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

  
**Utpal Bezbaruah**  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

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

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





**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_879/V82  
SAMPLE ID: EETNE/APR/05/21

Date: 13/04/2021  
ULR NO.:TC766921000000357F

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


Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 07/04/2021, 08/04/2021 TO 13/04/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	07/04/21	Stack attached to DG Set 1500 KVA - 1	51.7
ii)		Stack attached to DG Set 1500 KVA -2	54.4
iii)	08/04/21	Stack attached to DG Set 1500 KVA -3	59.3
iv)		Stack attached to DG Set 1500 KVA -4	56.1

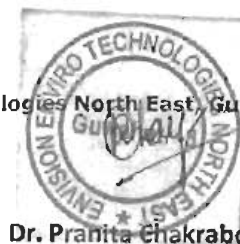
Method of analysis: IS 11255 Part-III : 2008 RA

**Emission Standards :**

Parameter	Standards
Particulate Matter	75 mg/Nm <sup>3</sup>

  
Utpal Bezbaruah  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati



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

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



**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_880/482  
SAMPLE ID: EETNE/APR/05/21

Date: 13/04/2021  
ULR NO.: TC766921000000357F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 07/04/2021 TO 13/04/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES


SL. NO.	DATE	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	07/04/2021	Stack attached to Cement Mill	20.7

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

**REMARKS:** -Production capacity of the cement plant is 0.66 MTPA.  
- Bag filter is attached to Cement mill.  
-Necessary replacement of filters has been done.

**Emission Standards :**

Parameter	Standards
Particulate Matter	30mg/Nm <sup>3</sup>

  
Utpal Bezbaruah  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati



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

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



**TEST REPORT**

**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAR\_12040009\_01\_881 | 483  
SAMPLE ID: EETNE/MAY/19/21

Date: 31/05/2021  
ULR NO.:TC766921000000395F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 24/05/2021, 25/05/2021 TO 31/05/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )
i)	24/05/21	Near Highways & Truck Parking	Clear	56.7	33.0	19.5	10.4
ii)		Near Workshop & Staff Quarter		51.9	29.3	16.2	9.1
iii)	25/05/21	Near Switch Yard		53.8	31.2	18.0	9.6
iv)		Near Truck Tippler		57.7	34.1	21.3	10.8

Remarks: - Samplings were done under annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

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

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah  
(Environmental Chemist)

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

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

Recognized by Pollution Control Board, Assam

**TEST REPORT**

**D.G SET NOISE LEVEL MEASUREMENT REPORT**

Rep.No. DGNLMR\_12040009\_06A\_882/483  
SAMPLE ID: EETNE/MAY/19/21

Date: 31/05/2021  
ULR NO.:TC766921000000395F

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


SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Pressure Level of DG in dB(A) Leq
i)	24/05/21	1500 KVA - DG Set 1	57	71.5	71.34
ii)		1500 KVA - DG Set 2	57.4	70	69.75
iii)	25/05/21	1500 KVA - DG Set 3	56	71	70.86
iv)		1500 KVA - DG Set 4	57.3	71.2	71.01

Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.


Method of analysis : IS 4758 : 1968 RA : 2017

Sampling Instrument Used : Lutron SL-4033SD, HTC SL 1350

DG Set Noise Standards: Noise limit viz. 75 dB(A) at 1m distance.

  
**Utpal Bezbaruah**  
(Environmental Chemist)

FOR ENVISION ENVIRO TECHNOLOGIES NORTH EAST, GUWAHATI

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

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

Recognized by Pollution Control Board, Assam

**TEST REPORT**

**FUGITIVE EMISSION ANALYSIS REPORT**


Rep.No. 210531\_12040009\_04\_883  
SAMPLE ID: EETNE/MAY/19/21

Date: 31/05/2021  
ULR NO.:TC766921000000395F


**Name & Address:**

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

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (PM) ( $\mu\text{g}/\text{m}^3$ )	Remarks
i)	24/05/21	Near Main Gate	1062.1	-Water spraying is done to control the fugitive emission.
ii)		Near Fly Ash Yard	1008.5	
iii)		Near Packing Loading Area	1502	
iv)	25/05/21	Near Packing Area	1299.3	-All materials are stored in closed sheds to mitigate fugitive emission.
v)		Near Bag Filter	605.1	
vi)		Near Truck Tippler	1132	

  
**Utpal Bezbaruah**  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

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

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**AMBIENT NOISE LEVEL MEASUREMENT REPORT**

Rep.No. ANLMR\_12040009\_06A\_884 | 403  
SAMPLE ID: EETNE/MAY/19/21

Date: 31/05/2021  
ULR NO.: TC766921000000395F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
i)	25/05/21	Near Highway & Truck Parking	67.9
ii)		Near Workshop & Staff Quarter	53.8
iii)	24/05/21	Near Packing Plant	63.5
iv)		Near Cement Mill	73.1


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

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

Sampling Instrument Used : Lutron SL-4033SD, HTC SL 1350

**Ambient Noise Standards:**

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

  
**Utpal Bezbaruah**  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

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

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



**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_885/483  
SAMPLE ID: EETNE/MAY/19/21

Date: 31/05/2021  
ULR NO.:TC766921000000395F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 24/05/2021, 25/05/2021 TO 31/05/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS Particulate Matter (mg/Nm <sup>3</sup> )
i)	24/05/21	Stack attached to DG Set 1500 KVA - 1	53.7
ii)		Stack attached to DG Set 1500 KVA -2	56.2
iii)	25/05/21	Stack attached to DG Set 1500 KVA -3	60.1
iv)		Stack attached to DG Set 1500 KVA -4	59.5

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

**Emission Standards :**

Parameter	Standards
Particulate Matter	75 mg/Nm <sup>3</sup>

*Utpal*

Utpal Bezbaruah  
(Environmental Chemist)

For Envision Enviro Technologies North East Guwahati



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

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



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**NABL ACCREDITED**

Certificate No. TC-7669

**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_8861483  
SAMPLE ID: EETNE/MAY/19/21

Date: 31/05/2021  
ULR NO.:TC766921000000395F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 25/05/2021 TO 31/05/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES


SL. NO.	DATE	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	25/05/2021	Stack attached to Cement Mill	19.9

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


**REMARKS:** -Production capacity of the cement plant is 0.66 MTPA.  
- Bag filter is attached to Cement mill.  
-Necessary replacement of filters has been done.

**Emission Standards :**

Parameter	Standards
Particulate Matter	30mg/Nm <sup>3</sup>

  
**Utpal Bezbaruah**  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

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

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



Recognized by Pollution Control Board, Assam

**NABL ACCREDITED**

Certificate No. TC-7669

**TEST REPORT**

**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAAR\_12040009\_01\_924 / 48

SAMPLE ID: EETNE/JUNE/20/21

Date: 30/06/2021

ULR NO.:TC766921000000422F

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

Sample Drawn By : **UTPAL BEZBARUAH**  
Sampling Plan & Procedure : **EETNE/SOP/01**  
Analysis Duration : **24/06/2021, 25/06/2021 TO 30/06/2021**  
Sampling Instrument Used : **AMBIENT AIR SAMPLER/RDS**  
Pollution Control Device, if any : **YES**

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
i)	24/06/21	Near Highways & Truck Parking	Clear	57.1	33.8	21.7	10.9
ii)		Near Workshop & Staff Quarter		53.0	31.1	18.5	9.7
iii)	25/06/21	Near Switch Yard		54.6	32.7	20.2	10.3
iv)		Near Truck Tippler		58.2	34.9	22.1	11.2

Remarks: - Samplings were done under annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

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

For Enviro Enviro Technologies North East, Guwahati

**Utpal Bezbaruah**  
(Environmental Chemist)

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

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





Recognized by Pollution Control Board, Assam

**TEST REPORT**

**D.G SET NOISE LEVEL MEASUREMENT REPORT**

Rep.No. DGNLMR\_12040009\_06A\_925/1  
SAMPLE ID: EETNE/JUNE/20/21

Date: 30/06/2021  
ULR NO.:TC766921000000422F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Pressure Level of DG in dB(A) Leg
i)	24/06/21	1500 KVA - DG Set 1	57.9	71.6	71.21
ii)		1500 KVA - DG Set 2	58.3	71.8	71.07
iii)	25/06/21	1500 KVA - DG Set 3	56.1	72.3	72.19
iv)		1500 KVA - DG Set 4	57.2	72.1	71.95


**Remarks:** Noise level is carried out during day time at a distance 1metre from the enclosure surface.

**Method of analysis :** IS 4758 : 1968 RA : 2017

**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  
(Environmental Chemist)

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

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**FUGITIVE EMISSION ANALYSIS REPORT**

Rep.No. 210630\_12040009\_04\_926/4  
SAMPLE ID: EETNE/JUNE/20/21

Date: 30/06/2021  
ULR NO.:TC766921000000422F

**Name & Address:**

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

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (PM) ( $\mu\text{g}/\text{m}^3$ )	Remarks
i)	24/06/21	Near Main Gate	1084	-Water spraying is done to control the fugitive emission.
ii)		Near Fly Ash Yard	996.1	
iii)		Near Packing Loading Area	1472	
iv)	25/06/21	Near Packing Area	1185.3	-All materials are stored in closed sheds to mitigate fugitive emission.
v)		Near Bag Filter	713	
vi)		Near Truck Tippler	1115.2	

For Envision Enviro Technologies North East, Guwahati

  
Utpal Bezbaruah  
(Environmental Chemist)

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

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**AMBIENT NOISE LEVEL MEASUREMENT REPORT**

Rep.No. ANLMR\_12040009\_06A\_927/2021  
SAMPLE ID: EETNE/JUNE/20/21

Date: 30/06/2021  
ULR NO.:TC766921000000422F


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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
i)	25/06/21	Near Highway & Truck Parking	63.1
ii)		Near Workshop & Staff Quarter	52.4
iii)	24/06/21	Near Packing Plant	62.8
iv)		Near Cement Mill	71.9

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

**Ambient Noise Standards:**

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

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



Recognized by Pollution Control Board, Assam

**NABL ACCREDITED**  
Certificate No. TC-7665

**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_928485  
SAMPLE ID: EETNE/JUNE/20/21

Date: 30/06/2021  
ULR NO.:TC766921000000422F

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


Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 24/06/2021, 25/06/2021 TO 30/06/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	24/06/21	Stack attached to DG Set 1500 KVA - 1	52.2
ii)		Stack attached to DG Set 1500 KVA -2	55.8
iii)	25/06/21	Stack attached to DG Set 1500 KVA -3	59.4
iv)		Stack attached to DG Set 1500 KVA -4	57.6

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

**Emission Standards :**

Parameter	Standards
Particulate Matter	75 mg/Nm <sup>3</sup>

  
**Utpal Bezbaruah**  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

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

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

**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_929 / 428  
SAMPLE ID: EETNE/JUNE/20/21

Date: 30/06/2021  
ULR NO.: TC766921000000422F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 25/06/2021 TO 30/06/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
I)	25/06/2021	Stack attached to Cement Mill	18.5


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


**REMARKS:** -Production capacity of the cement plant is 0.66 MTPA.  
- Bag filter is attached to Cement mill.  
-Necessary replacement of filters has been done.

**Emission Standards :**

Parameter	Standards
Particulate Matter	30mg/Nm <sup>3</sup>

For Envision Enviro Technologies North East, Guwahati

  
Utpal Bezbaruah  
(Environmental Chemist)

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

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

**TEST REPORT**

**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAAR\_12040009\_01\_965 / 418  
SAMPLE ID: EETNE/JULY/19/21

Date: 28/07/2021  
ULR NO.:TC766921000000446F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 21/07/2021, 22/07/2021 TO 28/07/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
i)	21/07/21	Near Highways & Truck Parking	Clear	58.1	35.0	19.4	10.2
ii)		Near Workshop & Staff Quarter		53.3	31.7	16.2	8.9
iii)	22/07/21	Near Switch Yard		56.2	34.4	19.1	9.5
iv)		Near Truck Tippler		58.9	36.0	20.5	10.4

Remarks: - Samplings were done under annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

Sl. No.	Pollutant	Test Method	Time Average	Weighted	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO <sub>2</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-II/CPCB	Annual		50
				24 hours	80
2	Nitrogen Dioxide (NO <sub>2</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI/CPCB	Annual		40
				24 hours	80
3	Particulate (PM <sub>10</sub> ), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII/ CPCB	Annual		60
				24 hours	100
4	Particulate (PM <sub>2.5</sub> ), $\mu\text{g}/\text{m}^3$	USEPA FRM 40CFR Part 50, 53 Appendix- I FEM Candidate Method-I	Annual		40
				24 hours	60

For Envision Enviro Technologies North East, Guwahati

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(Environmental Chemist)

Dr. Pranita Chakraborty  
(Quality Manager)  
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-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

**TEST REPORT**

**D.G SET NOISE LEVEL MEASUREMENT REPORT**

Rep.No. DGNLMR\_12040009\_06A\_966/418  
SAMPLE ID: EETNE/JULY/19/21

Date: 28/07/2021  
ULR NO.:TC766921000000446F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Pressure Level of DG in dB(A) Leg
i)	21/07/21	1500 KVA - DG Set 1	57.0	71.5	71.34
ii)		1500 KVA - DG Set 2	57.2	71.9	71.75
iii)	22/07/21	1500 KVA - DG Set 3	58.3	71.3	71.07
iv)		1500 KVA - DG Set 4	57.9	71.6	71.21


**Remarks:** Noise level is carried out during day time at a distance 1metre from the enclosure surface.


**Method of analysis :** IS 4758 : 1968 RA : 2017

**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  
(Environmental Chemist)

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

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

Recognized by Pollution Control Board, Assam

**TEST REPORT**

**FUGITIVE EMISSION ANALYSIS REPORT**

Rep.No. 210728\_12040009\_04\_967/418  
SAMPLE ID: EETNE/JULY/19/21

Date: 28/07/2021  
ULR NO.:TC766921000000446F

**Name & Address:**


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

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (PM) ( $\mu\text{g}/\text{m}^3$ )	Remarks
i)	21/07/21	Near Main Gate	1107.2	-Water spraying is done to control the fugitive emission.
ii)		Near Fly Ash Yard	988.4	
iii)		Near Packing Loading Area	1450	
iv)	22/07/21	Near Packing Area	1206.1	-All materials are stored in closed sheds to mitigate fugitive emission.
v)		Near Bag Filter	827.3	
vi)		Near Truck Tippler	1126	



Utpal Bezbaruah  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati



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

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**AMBIENT NOISE LEVEL MEASUREMENT REPORT**

Rep.No. ANLMR\_12040009\_06A\_968/1/18  
SAMPLE ID: EETNE/JULY/19/21

Date: 28/07/2021  
ULR NO.:TC766921000000446F


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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
i)	22/07/21	Near Highway & Truck Parking	62.0
ii)		Near Workshop & Staff Quarter	51.9
iii)	21/07/21	Near Packing Plant	60.8
iv)		Near Cement Mill	72.4


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

**Ambient Noise Standards:**

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

  
Utpal Bezbaruah  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

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

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

**TEST REPORT****STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_969/418

SAMPLE ID: EETNE/JULY/19/21

Date: 28/07/2021

ULR NO.:TC766921000000446F

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

**Sample Drawn By** : UTPAL BEZBARUAH  
**Sampling Plan & Procedure** : EETNE/SOP/01  
**Analysis Duration** : 21/07/2021, 22/07/2021 TO 28/07/2021  
**Sampling Instrument Used** : AMBIENT AIR SAMPLER/RDS  
**Pollution Control Device, if any** : YES


SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	21/07/21	Stack attached to DG Set 1500 KVA - 1	54.7
ii)		Stack attached to DG Set 1500 KVA -2	56.1
iii)	22/07/21	Stack attached to DG Set 1500 KVA -3	52.8
iv)		Stack attached to DG Set 1500 KVA -4	59.3

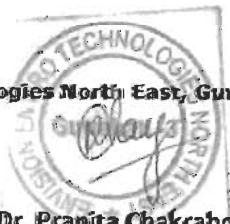
Method of analysis: IS 11255 Part-III : 2008 RA

**Emission Standards :**

Parameter	Standards
Particulate Matter	75 mg/Nm <sup>3</sup>

For Envision Enviro Technologies North East, Guwahati

  
 Utpal Bezbaruah  
 (Environmental Chemist)

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

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

**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_970/418

SAMPLE ID: EETNE/JULY/19/21

Date: 28/07/2021

ULR NO.:TC766921000000446F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 22/07/2021 TO 28/07/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	22/07/2021	Stack attached to Cement Mill	19.4


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


**REMARKS:** -Production capacity of the cement plant is 0.66 MTPA.  
- Bag filter is attached to Cement mill.  
-Necessary replacement of filters has been done.

**Emission Standards :**

Parameter	Standards
Particulate Matter	30mg/Nm <sup>3</sup>

For Envision Enviro Technologies North East, Guwahati

  
Utpal Bezbaruah  
(Environmental Chemist)

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

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



**TEST REPORT**

**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAAR\_12040009\_01\_155  
SAMPLE ID: EETNE/AUG/23(1)/21

Date: 04/09/2021  
ULR NO.:TC766921000000478F

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

**Sample Drawn By** : UTPAL BEZBARUAH  
**Sampling Plan & Procedure** : EETNE/SOP/01  
**Analysis Duration** : 27/08/2021, 28/08/2021 TO 03/09/2021  
**Sampling Instrument Used** : AMBIENT AIR SAMPLER/RDS  
**Pollution Control Device, if any** : YES

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
i)	27/08/21	Near Highways & Truck Parking	Clear	56.0	32.4	20.3	11.5
ii)		Near Workshop & Staff Quarter		51.9	28.8	17.6	9.4
iii)	28/08/21	Near Switch Yard		54.7	30.9	18.8	10.6
iv)		Near Truck Tippler		58.0	4.2	21.9	12.7

Remarks: - Samplings were done under annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

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

For Envision Enviro Technologies North East, Guwahati

*Utpal Bezbaruah*  
Utpal Bezbaruah  
(Environmental Chemist)

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

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Recognized by Pollution Control Board, Assam

**TEST REPORT**

**D.G SET NOISE LEVEL MEASUREMENT REPORT**

Rep.No. DGNLMR\_12040009\_06A\_156  
SAMPLE ID: EETNE/AUG/23(1)/21

Date: 04/09/2021  
ULR NO.:TC766921000000478F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Pressure Level of DG in dB(A) Leq
i)	27/08/21	1500 KVA - DG Set 1	57.6	71.8	71.6
ii)		1500 KVA - DG Set 2	58.1	73.5	73.3
iii)	28/08/21	1500 KVA - DG Set 3	56.2	71.4	71.57
iv)		1500 KVA - DG Set 4	57.2	72.3	72.1

**Remarks:** Noise level is carried out during day time at a distance 1metre from the enclosure surface.

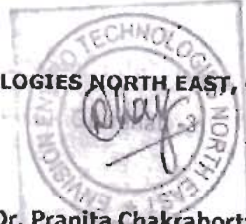
**Method of analysis :** IS 4758 : 1968 RA : 2017

**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**  
(Environmental Chemist)

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

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

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

Recognized by Pollution Control Board, Assam

**TEST REPORT**

**FUGITIVE EMISSION ANALYSIS REPORT**

Rep.No. 210904\_12040009\_04\_157  
SAMPLE ID: EETNE/AUG/23(1)/21

Date: 04/09/2021  
ULR NO.:TC766921000000478F


**Name & Address:**

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

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (PM) ( $\mu\text{g}/\text{m}^3$ )	Remarks
i)	27/08/21	Near Main Gate	1135.2	-Water spraying is done to control the fugitive emission.
ii)		Near Fly Ash Yard	1007	
iii)		Near Packing Loading Area	1396	
iv)	28/08/21	Near Packing Area	1254	-All materials are stored in closed sheds to mitigate fugitive emission.
v)		Near Bag Filter	841.5	
vi)		Near Truck Tippler	1182.7	

For Envision Enviro Technologies North East, Guwahati

  
**Utpal Bezbaruah**  
(Environmental Chemist)

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

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**AMBIENT NOISE LEVEL MEASUREMENT REPORT**

Rep.No. ANLMR\_12040009\_06A\_158  
SAMPLE ID: EETNE/AUG/23(1)/21

Date: 04/09/2021  
ULR NO.:TC766921000000478F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
i)	28/08/21	Near Highway & Truck Parking	62.4
ii)		Near Workshop & Staff Quarter	50.7
iii)	27/08/21	Near Packing Plant	59.1
iv)		Near Cement Mill	71.6


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

**Ambient Noise Standards:**

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

  
**Utpal Bezbaruah**  
(Environmental Chemist)

For Enviro Technologies North East, Guwahati

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

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



**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_159  
SAMPLE ID: EETNE/AUG/23(1)/21

Date: 04/09/2021  
ULR NO.:TC766921000000478F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 27/08/2021, 28/08/2021 TO 03/09/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES


SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	27/08/21	Stack attached to DG Set 1500 KVA - 1	53.6
ii)		Stack attached to DG Set 1500 KVA -2	56.9
iii)	28/08/21	Stack attached to DG Set 1500 KVA -3	51.7
iv)		Stack attached to DG Set 1500 KVA -4	58.2


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

**Emission Standards :**

Parameter	Standards
Particulate Matter	75 mg/Nm <sup>3</sup>

For Envision Enviro Technologies North East, Guwahati

  
Utpal Bezbaruah  
(Environmental Chemist)

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

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



**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_160  
SAMPLE ID: EETNE/AUG/23(1)/21

Date: 04/09/2021  
ULR NO.:TC766921000000478F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 27/08/2021 TO 03/09/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	27/08/2021	Stack attached to Cement Mill	18.6

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


**REMARKS:** -Production capacity of the cement plant is 0.66 MTPA.  
- Bag filter is attached to Cement mill.  
-Necessary replacement of filters has been done.

**Emission Standards :**

Parameter	Standards
Particulate Matter	30mg/Nm <sup>3</sup>

For Envision Enviro Technologies North East, Guwahati

  
Utpal Bezbaruah  
(Environmental Chemist)

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

Note: i) The results relate only to the parameters tested.  
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-----END OF REPORT-----

**TEST REPORT**

**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAAR\_12040009\_01\_166  
SAMPLE ID: EETNE/SEPT/18(1)/21

Date: 28/09/2021  
ULR NO.:TC766921000000499F

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

Sample Drawn By : **UTPAL BEZBARUAH**  
Sampling Plan & Procedure : **EETNE/SOP/01**  
Analysis Duration : **22/09/2021, 23/09/2021 TO 28/09/2021**  
Sampling Instrument Used : **AMBIENT AIR SAMPLER/RDS**  
Pollution Control Device, if any : **YES**


SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
i)	22/09/21	Near Highways & Truck Parking	Clear	57.4	33.1	21.7	11.9
ii)		Near Workshop & Staff Quarter		52.7	29.3	18.2	10.3
iii)	23/09/21	Near Switch Yard		55.6	31.7	19.4	11.2
iv)		Near Truck Tippler		58.8	34.0	22.0	12.4


Remarks: - Samplings were done under annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

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

For Envision Enviro Technologies North East, Guwahati

  
**Utpal Bezbaruah**  
(Environmental Chemist)

  
**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-----

Recognized by Pollution Control Board, Assam

**TEST REPORT**

**D.G SET NOISE LEVEL MEASUREMENT REPORT**

Rep.No. DGNLMR\_12040009\_06A\_161  
SAMPLE ID: EETNE/SEPT/18(1)/21

Date: 28/09/2021  
ULR NO.:TC766921000000499F

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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	DG Background Noise	Measured Sound	Actual Pressure Level of DG in dB(A) Leq
i)	22/09/21	1500 KVA - DG Set 1	57.2	70.2	69.97
ii)		1500 KVA - DG Set 2	57.8	71.8	71.6
iii)	23/09/21	1500 KVA - DG Set 3	56.8	73.2	73.0
iv)		1500 KVA - DG Set 4	57.3	74.2	74.1


Remarks: Noise level is carried out during day time at a distance 1metre from the enclosure surface.


Method of analysis : IS 4758 : 1968 RA : 2017

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**  
(Environmental Chemist)

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

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

Recognized by Pollution Control Board, Assam

**TEST REPORT**

**FUGITIVE EMISSION ANALYSIS REPORT**

Rep.No. 210928\_12040009\_04\_162  
SAMPLE ID: EETNE/SEPT/18(1)/21

Date: 28/09/2021  
ULR NO.:TC766921000000499F

**Name & Address:**

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

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (PM) ( $\mu\text{g}/\text{m}^3$ )	Remarks
i)	27/08/21	Near Main Gate	1118.6	-Water spraying is done to control the fugitive emission.
ii)		Near Fly Ash Yard	1043.2	
iii)		Near Packing Loading Area	1449	
iv)	28/08/21	Near Packing Area	1305.2	-All materials are stored in closed sheds to mitigate fugitive emission.
v)		Near Bag Filter	902.1	
vi)		Near Truck Tippler	1207.3	

For Envision Enviro Technologies North East, Guwahati

  
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(Environmental Chemist)

  
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(Quality Manager)  
(Authorized Signatory)

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



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**AMBIENT NOISE LEVEL MEASUREMENT REPORT**

Rep.No. ANLMR\_12040009\_06A\_163  
SAMPLE ID: EETNE/SEPT/18(1)/21

Date: 28/09/2021  
ULR NO.:TC766921000000499F


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

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
i)	23/09/21	Near Highway & Truck Parking	63.2
ii)		Near Workshop & Staff Quarter	51.2
iii)	22/09/21	Near Packing Plant	59.9
iv)		Near Cement Mill	72.0

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

**Ambient Noise Standards:**

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

  
**Utpal Bezbaruah**  
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati



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

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



**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_164  
SAMPLE ID: EETNE/SEPT/18(1)/21

Date: 28/09/2021  
ULR NO.:TC766921000000499F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 22/09/2021, 23/09/2021 TO 27/09/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES


SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	22/09/21	Stack attached to DG Set 1500 KVA - 1	54.4
ii)		Stack attached to DG Set 1500 KVA -2	57.3
iii)	23/09/21	Stack attached to DG Set 1500 KVA -3	53.0
iv)		Stack attached to DG Set 1500 KVA -4	59.1

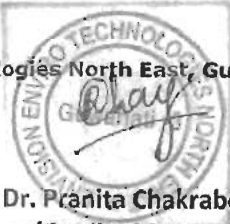
Method of analysis: IS 11255 Part-III : 2008 RA

**Emission Standards :**

Parameter	Standards
Particulate Matter	75 mg/Nm <sup>3</sup>

For Envision Enviro Technologies North East, Guwahati

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

**TEST REPORT**

**STACK ANALYSIS REPORT**

Rep.No. SAR\_12040009\_02\_165  
SAMPLE ID: EETNE/SEPT/18(1)/21

Date: 28/09/2021  
ULR NO.:TC766921000000499F

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

Sample Drawn By : UTPAL BEZBARUAH  
Sampling Plan & Procedure : EETNE/SOP/01  
Analysis Duration : 22/09/2021 TO 27/09/2021  
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
Pollution Control Device, if any : YES

SL. NO.	DATE	STACK DESCRIPTION	PARAMETERS
			Particulate Matter (mg/Nm <sup>3</sup> )
i)	22/09/2021	Stack attached to Cement Mill	20.3


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

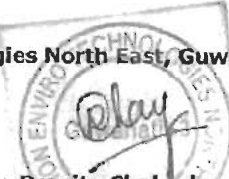
**REMARKS:** -Production capacity of the cement plant is 0.66 MTPA.  
- Bag filter is attached to Cement mill.  
-Necessary replacement of filters has been done.

**Emission Standards :**

Parameter	Standards
Particulate Matter	30mg/Nm <sup>3</sup>

For Envision Enviro Technologies North East, Guwahati

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

**Annexure-III**

**Details of Bag filter attached**

**BAG FILTER DETAIL**

Sl No	Details	
1	BAG FILTER LOCATION	TRUCK TRIPPLER
	BAG FILTER CODE	491 BF1
	BAG LENGTH	3660 MM
	BAG DIA	160Ø
	TOTAL NO OF BAGS	72 NOS
	FLOW CAPACITY	10000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
2	BAG FILTER LOCATION	TRUCK TRIPPLER
	BAG FILTER CODE	491 BF2
	BAG LENGTH	3660 MM
	BAG DIA	160Ø
	TOTAL NO OF BAGS	72 NOS
	FLOW CAPACITY	10000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
3	BAG FILTER LOCATION	CLINKER STORAGE SILO TOP.
	BAG FILTER CODE	491 BF3
	BAG LENGTH	3660 MM
	BAG DIA	160Ø
	TOTAL NO OF BAGS	60 NOS
	FLOW CAPACITY	8000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
4	BAG FILTER LOCATION	CLINKER EXTRACTION BELT CONVEYOR 511 BC3
	BAG FILTER CODE	511 BF1
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø.
	TOTAL NO OF BAGS	96 NOS.
	FLOW CAPACITY	12000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	3 NOS
5	BAG FILTER LOCATION	GYPSUM STORAGE SHED.
	BAG FILTER CODE	K21 BF1
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø



	TOTAL NO OF BAGS	36 NOS.
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
6	BAG FILTER LOCATION	GYPSUM CRUSHER HOUSE.
	BAG FILTER CODE	K21 BF2
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	72 NOS.
	FLOW CAPACITY	10000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
7	BAG FILTER LOCATION	CEMENT MILL HOPPER.
	BAG FILTER CODE	531 BF1
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	112 NOS.
	FLOW CAPACITY	15000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	3 NOS
8	BAG FILTER LOCATION	CEMENT MILL HOPPER WEIGH FEEDER.
	BAG FILTER CODE	531 BF2
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	112 NOS.
	FLOW CAPACITY	15000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	3 NOS
9	BAG FILTER LOCATION	CEMENT MILL HOUSE.
	BAG FILTER CODE	561 BF2
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	112 NOS.
	FLOW CAPACITY	15000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	3 NOS
10	BAG FILTER LOCATION	CEMENT MILL HOUSE.
	BAG FILTER CODE	561 BF1
	BAG LENGTH	3665 MM.
	BAG DIA	149Ø
	TOTAL NO OF BAGS	396 NOS.
	FLOW CAPACITY	41000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	33
11	BAG FILTER LOCATION	STEEL SILO TOP.
	BAG FILTER CODE	591 BF3



	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	36 NOS.
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
12	BAG FILTER LOCATION	RCC CEMENT SILO TOP.
	BAG FILTER CODE	591BF1
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	60 NOS.
	FLOW CAPACITY	7500 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
13	BAG FILTER LOCATION	SILO EXTRACTION AIR SLIDE DEDUSTING
	BAG FILTER CODE	611 BF1
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	36 NOS.
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
14	BAG FILTER LOCATION	PACKING FEED AIR SLIDE DEDUSTING
	BAG FILTER CODE	611 BF3
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	36 NOS.
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
15	BAG FILTER LOCATION	PACKING FEED AIR SLIDE DEDUSTING
	BAG FILTER CODE	611 BF4
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	36 NOS.
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	2 NOS
16	BAG FILTER LOCATION	PACKER DEDUSTING
	BAG FILTER CODE	661 BF1
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø
	TOTAL NO OF BAGS	96 NOS.
	FLOW CAPACITY	12000 (AM <sup>3</sup> /HR)
	NO OF CHAMBER	3 NOS
17	BAG FILTER LOCATION	PACKER DEDUSTING

	BAG FILTER CODE	661 BF2	
	BAG LENGTH	3660 MM.	
	BAG DIA	160Ø	
	TOTAL NO OF BAGS	144 NOS.	
	FLOW CAPACITY	20000 (AM <sup>3</sup> /HR)	
	NO OF CHAMBER	4 NOS	
18	BAG FILTER LOCATION	PACKER DEDUSTING	
	BAG FILTER CODE	662 BF1	
	BAG LENGTH	3660 MM.	
	BAG DIA	160Ø	
	TOTAL NO OF BAGS	96 NOS.	
	FLOW CAPACITY	12000 (AM <sup>3</sup> /HR)	
	NO OF CHAMBER	3 NOS	
19	BAG FILTER LOCATION	PACKER DEDUSTING	
	BAG FILTER CODE	662 BF2	
	BAG LENGTH	3660 MM.	
	BAG DIA	160Ø	
	TOTAL NO OF BAGS	144 NOS.	
	FLOW CAPACITY	20000 (AM <sup>3</sup> /HR)	
	NO OF CHAMBER	4 NOS	
20	BAG FILTER LOCATION	SFM BIN DEDUSTING	
	BAG FILTER CODE	541BF2	
	BAG LENGTH	1000MM	
	BAG DIA	160Ø	
	TOTAL NO OF BAGS	16 NOS	
	FLOW CAPACITY	250 (AM <sup>3</sup> /HR)	
	NO OF CHAMBER	1 NO	
21	BAG FILTER LOCATION	FLYASH STEEL SILO	
	BAG FILTER CODE	541BF1	
	BAG LENGTH	3660 MM.	
	BAG DIA	160Ø	
	TOTAL NO OF BAGS	36 NOS.	
	FLOW CAPACITY	7500 (AM <sup>3</sup> /HR)	
22	BAG FILTER LOCATION	FLYASH STEEL SILO	
	BAG FILTER CODE	541BF2	
	BAG LENGTH	1500 MM	
	BAG DIA	160Ø	
	TOTAL NO OF BAGS	18 NOS.	
	FLOW CAPACITY	600 (AM <sup>3</sup> /HR)	
23	BAG FILTER LOCATION	STEEL SILO NO 2	
	BAG FILTER CODE	Bulker Loading Bagfilter	

BAG LENGTH	1500 mm
BAG DIA	160Ø
TOTAL NO OF BAGS	16 NO'S
FLOW CAPACITY	500 (AM <sup>3</sup> /HR)

*Spand*

**Annexure-IV**

**PM 2.5 test result with PUC**

**Annexure-IV**

PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testing of PM2.5 at Truck movement area
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			µgm/m3
				CO%	HC(ppm)	SD(HSU)	
	1-Sep-21	3	AS-25AC-1267	-	-	42.82	32.8
	1-Sep-21		AS-25AC-1268	-	-	23.40	
	1-Sep-21		AS-25AC-1251	-	-	27.50	
	2-Sep-21	4	AS-25AC-1252	-	-	47.53	
	2-Sep-21		AS-25AC-1253	-	-	30.00	
	2-Sep-21		AS-25AC-1254	-	-	24.60	
	2-Sep-21		AP-16TJ-0186	-	-	43.80	
	3-Sep-21	4	AS01DC-9737	-	-	30.20	
	3-Sep-21		AS01DC-9345	-	-	61.17	
	3-Sep-21		AS01DC-9632	-	-	61.17	
	3-Sep-21		AS01BC-7588	-	-	42.82	
	4-Sep-21	4	AS01BC-0055	-	-	61.17	
	4-Sep-21		AP16TH-7677	-	-	49.50	
	4-Sep-21		AS-01EC-9286	-	-	52.10	
	4-Sep-21		AS01DC-9737	-	-	57.68	
	5-Sep-21	5	AS01GC-6651	-	-	11.06	
	5-Sep-21		AS-01GC-5842	-	-	38.20	
	5-Sep-21		AS-01FC-9906	-	-	21.30	
	5-Sep-21		AS-01EC-6272	-	-	47.53	
	5-Sep-21		AS-01EC-0659	-	-	35.85	
	6-Sep-21	4	AS-01DD-5535	-	-	15.70	
	6-Sep-21		AS-01DD-5213	-	-	30.20	
	6-Sep-21		AS-01AC-2395	-	-	30.20	
	6-Sep-21		AS01DC-9309	-	-	42.82	
	7-Sep-21	4	AP-16TJ-0186	-	-	26.86	
	7-Sep-21		RJ18GA-2905	-	-	30.20	
	7-Sep-21		AS01CC-8496	-	-	61.80	
	7-Sep-21		AS-01CC-7667	-	-	61.17	
	8-Sep-21	4	UP32DN-4494	-	-	21.30	32
	8-Sep-21		AS-01EC-0135	-	-	42.82	
	8-Sep-21		AS01CC-8496	-	-	45.90	
	8-Sep-21		AS-01DC-9732	-	-	17.00	
	9-Sep-21	4	AS-01CC-7667	-	-	62.70	
	9-Sep-21		AS-01FC-5275	-	-	31.00	
	9-Sep-21		NL-01K-1761	-	-	53.20	
	9-Sep-21		AS-01AC-7071	-	-	30.20	

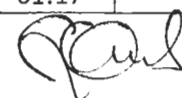


10-Sep-21		TR-01K-1728	-	-	61.80	
10-Sep-21		AS-01GC-8855	-	-	38.20	
10-Sep-21		TR01AB-1622	-	-	38.10	
10-Sep-21	4	AS01CC-8579	-	-	61.17	
11-Sep-21		AS-01EC-9476	-	-	30.20	
11-Sep-21		AS-01BC-0799	-	-	47.53	
11-Sep-21		AS-01CC-7239	-	-	30.20	
11-Sep-21	4	AS-01C-3151	-	-	30.20	
12-Sep-21		AS01CC-2590	-	-	45.80	
12-Sep-21		AS-01AC-0911	-	-	47.20	
12-Sep-21	3	AS01CC-2590	-	-	49.50	
13-Sep-21		AS-01GC-8485	-	-	23.40	
13-Sep-21		AS-01AC-8642	-	-	61.20	
13-Sep-21		AS-01DD-9886	-	-	47.53	
13-Sep-21	4	AS01AC-5159	-	-	47.53	
14-Sep-21		AS01BC-2351	-	-	30.20	
14-Sep-21		AS01DD-1335	-	-	29.80	
14-Sep-21	3	AS-01FC-9731	-	-	42.82	
15-Sep-21		AS-01BC-2351	-	-	57.68	
15-Sep-21		AS01EC-7849	-	-	52.30	
15-Sep-21		AS-01EC-0373	-	-	42.82	
15-Sep-21	4	AS-01EC-2678	-	-	30.00	
16-Sep-21		AS-01EC-9417	-	-	61.17	
16-Sep-21		AS01BC-1055	-	-	45.90	
16-Sep-21	4	AP16TH-7677	-	-	29.87	
						33.38

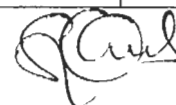




16-Sep-21		AS-25AC-1263	-	-	42.10	
17-Sep-21		AS-01EC-9476	-	-	56.10	
17-Sep-21		AS-01BC-0799	-	-	59.10	
17-Sep-21		AS-01CC-7667	-	-	28.10	
17-Sep-21	4	UP32DN-4494	-	-	16.40	
18-Sep-21		AS-01EC-0135	-	-	28.11	
18-Sep-21		AS-25AC-1272	-	-	42.10	
18-Sep-21		AS-25AC-1274	-	-	56.00	
18-Sep-21	4	AS-25AC-1251	-	-	47.53	
19-Sep-21		AS-25AC-1267	-	-	35.85	
19-Sep-21		AS-25AC-1252	-	-	38.20	
19-Sep-21		AS-25AC-1253	-	-	33.25	
19-Sep-21	4	AS01DC-9723	-	-	49.50	
20-Sep-21		AS-25AC-1255	-	-	54.80	
20-Sep-21		AS-25AC-1256	-	-	47.53	
20-Sep-21		AS-25AC-1257	-	-	55.82	
20-Sep-21	4	AS-25AC-1258	-	-	15.60	
21-Sep-21		AS-25AC-1261	-	-	47.53	
21-Sep-21		AS-25AC-1251	-	-	53.20	
21-Sep-21		AS-25AC-1264	-	-	47.53	
21-Sep-21	4	AS-25AC-1267	-	-	47.53	
22-Sep-21		AS-25AC-1269	-	-	29.87	
22-Sep-21		AS-25AC-1270	-	-	23.40	
22-Sep-21		AS01EC-2197	-	-	44.28	
22-Sep-21	5	AS-25AC-1251	-	-	61.17	32.56

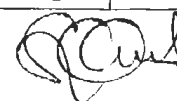


22-Sep-21		AS-25AC-1268	-	-	61.12
23-Sep-21		AS-25AC-1265	-	-	61.17
23-Sep-21		AS01CC-8579	-	-	40.70
23-Sep-21		AS01DC-9723	-	-	30.20
23-Sep-21	4	AS01DC-9345	-	-	30.20
24-Sep-21		AS01BC-7588	-	-	56.70
24-Sep-21		AS-01EC-2197	-	-	30.20
24-Sep-21		AS-01FC-7312	-	-	47.53
24-Sep-21	4	AS01GC-6651	-	-	47.53
25-Sep-21		AS-01EC-6272	-	-	13.50
25-Sep-21		AS-01DD-5213	-	-	38.20
25-Sep-21		AP-16TJ-0186	-	-	30.00
25-Sep-21	4	NL-01L-0365	-	-	61.17
26-Sep-21		AS01BC-2781	-	-	57.68
26-Sep-21		NL-01Q-8581	-	-	49.50
26-Sep-21		AS-01GC-6392	-	-	52.10
26-Sep-21	4	AS01FC-0129	-	-	57.68
27-Sep-21		AS01FC-9437	-	-	11.06
27-Sep-21		AS01DC-9309	-	-	38.20
27-Sep-21		AP-16TJ-0186	-	-	21.30
27-Sep-21		AS01EC-2197	-	-	47.53
27-Sep-21	5	RJ18GA-2905	-	-	35.85
28-Sep-21		AS01CC-8496	-	-	38.20
28-Sep-21		AS-01CC-7667	-	-	33.25
28-Sep-21	4	UP32DN-4494	-	-	49.50



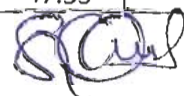
	28-Sep-21		AS-01EC-0135	-	-	54.80
	29-Sep-21		AS-01DD-7187	-	-	47.53
	29-Sep-21		AS-01FC-7035	-	-	55.82
	29-Sep-21		AP28TE-6224	-	-	15.60
	29-Sep-21	4	AS-25AC-1251	-	-	47.53
	30-Sep-21		AS-25AC-1264	-	-	30.20
	30-Sep-21		AS-01FC-5275	-	-	30.00
	30-Sep-21		AS-01AC-7071	-	-	24.60
	30-Sep-21	4	AS-01EC-0135	-	-	42.81

PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testing of PM2.5 at Truck movement area
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			µgm/m3
	1-Aug-21		AS-25AC-1267	-	-	42.82	32.60
	1-Aug-21		AS-25AC-1268	-	-	23.40	
	1-Aug-21		AS-25AC-1251	-	-	27.50	
	1-Aug-21	4	AS-25AC-1252	-	-	47.53	
	2-Aug-21		AS-25AC-1253	-	-	30.00	
	2-Aug-21		AS-25AC-1254	-	-	24.60	
	2-Aug-21		AP-16TJ-0186	-	-	43.80	
	2-Aug-21	4	AS01DC-9737	-	-	30.20	
	3-Aug-21		AS01DC-9345	-	-	61.17	
	3-Aug-21		AS01DC-9632	-	-	61.17	
	3-Aug-21		AS01BC-7588	-	-	42.82	
	3-Aug-21	4	AS01BC-0055	-	-	61.17	
	4-Aug-21		AP16TH-7677	-	-	49.50	
	4-Aug-21		AS-01EC-9286	-	-	52.10	
	4-Aug-21		AS01DC-9737	-	-	57.68	
	4-Aug-21	4	AS01GC-6651	-	-	11.06	
	5-Aug-21		AS-01GC-5842	-	-	38.20	
	5-Aug-21		AS-01FC-9906	-	-	21.30	
	5-Aug-21		AS-01EC-6272	-	-	47.53	
	5-Aug-21	5	AS-01EC-0659	-	-	35.85	

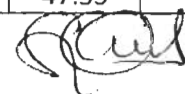


5-Aug-21		AS-01DD-5535	-	-	15.70
6-Aug-21		AS-01DD-5213	-	-	30.20
6-Aug-21		AS-01AC-2395	-	-	30.20
6-Aug-21	3	AS01DC-9309	-	-	42.82
7-Aug-21		AP-16TJ-0186	-	-	26.86
7-Aug-21		RJ18GA-2905	-	-	30.20
7-Aug-21		AS01CC-8496	-	-	61.80
7-Aug-21	4	AS-01CC-7667	-	-	61.17
8-Aug-21		UP32DN-4494	-	-	21.30
8-Aug-21		AS-01EC-0135	-	-	42.82
8-Aug-21		AS01CC-8496	-	-	45.90
8-Aug-21	4	AS-01DC-9732	-	-	17.00
9-Aug-21		AS-01CC-7667	-	-	62.70
9-Aug-21		AS-01FC-5275	-	-	31.00
9-Aug-21		NL-01K-1761	-	-	53.20
9-Aug-21	4	AS-01AC-7071	-	-	30.20
10-Aug-21		TR-01K-1728	-	-	61.80
10-Aug-21		AS-01GC-8855	-	-	38.20
10-Aug-21		TR01AB-1622	-	-	38.10
10-Aug-21	4	AS01CC-8579	-	-	61.17
11-Aug-21		AS-01EC-9476	-	-	30.20
11-Aug-21		AS-01BC-0799	-	-	47.53
11-Aug-21	3	AS-01CC-7239	-	-	30.20
12-Aug-21		AS-01C-3151	-	-	30.20
12-Aug-21		AS01CC-2590	-	-	45.80
12-Aug-21		AS-01AC-0911	-	-	47.20
12-Aug-21	4	AS01CC-2590	-	-	49.50
13-Aug-21		AS-01GC-8485	-	-	23.40
13-Aug-21		AS-01AC-8642	-	-	61.20
13-Aug-21		AS-01DD-9886	-	-	47.53
13-Aug-21	4	AS01AC-5159	-	-	47.53

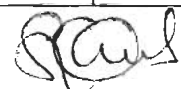
32.18



14-Aug-21	5	AS01BC-2351	-	-	30.20	31.70
14-Aug-21		AS01DD-1335	-	-	29.80	
14-Aug-21		AS-01FC-9731	-	-	42.82	
14-Aug-21		AS-01BC-2351	-	-	57.68	
15-Aug-21	4	AS01EC-7849	-	-	52.30	
15-Aug-21		AS-01EC-0373	-	-	42.82	
15-Aug-21		AS-01EC-2678	-	-	30.00	
15-Aug-21		AS-01EC-9417	-	-	61.17	
16-Aug-21	4	AS01BC-1055	-	-	45.90	
16-Aug-21		AP16TH-7677	-	-	29.87	
16-Aug-21		AS-25AC-1263	-	-	42.10	
16-Aug-21		AS-01EC-9476	-	-	56.10	
17-Aug-21	4	AS-01BC-0799	-	-	59.10	
17-Aug-21		AS-01CC-7667	-	-	28.10	
17-Aug-21		UP32DN-4494	-	-	16.40	
17-Aug-21		AS-01EC-0135	-	-	28.11	
18-Aug-21	4	AS-25AC-1272	-	-	42.10	
18-Aug-21		AS-25AC-1274	-	-	56.00	
18-Aug-21		AS-25AC-1251	-	-	47.53	
18-Aug-21		AS-25AC-1267	-	-	35.85	
19-Aug-21	4	AS-25AC-1252	-	-	38.20	
19-Aug-21		AS-25AC-1253	-	-	33.25	
19-Aug-21		AS01DC-9723	-	-	49.50	
19-Aug-21		AS-25AC-1255	-	-	54.80	
20-Aug-21	5	AS-25AC-1256	-	-	47.53	



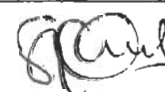
20-Aug-21		AS-25AC-1257	-	-	55.82	
20-Aug-21		AS-25AC-1258	-	-	15.60	
20-Aug-21		AS-25AC-1261	-	-	47.53	
20-Aug-21		AS-25AC-1251	-	-	53.20	
21-Aug-21		AS-25AC-1264	-	-	47.53	
21-Aug-21		AS-25AC-1267	-	-	47.53	
21-Aug-21		AS-25AC-1269	-	-	29.87	
21-Aug-21	4	AS-25AC-1270	-	-	23.40	
22-Aug-21		AS01EC-2197	-	-	44.28	
22-Aug-21		AS-25AC-1251	-	-	61.17	
22-Aug-21		AS-25AC-1268	-	-	61.12	
22-Aug-21		AS-25AC-1265	-	-	61.17	
22-Aug-21	5	AS01CC-8579	-	-	40.70	
23-Aug-21		AS01DC-9723	-	-	30.20	
23-Aug-21		AS01DC-9345	-	-	30.20	
23-Aug-21		AS01BC-7588	-	-	56.70	
23-Aug-21	4	AS-01EC-2197	-	-	30.20	32.40
24-Aug-21		AS-01FC-7312	-	-	47.53	
24-Aug-21		AS01GC-6651	-	-	47.53	
24-Aug-21		AS-01EC-6272	-	-	13.50	
24-Aug-21	4	AS-01DD-5213	-	-	38.20	
25-Aug-21		AP-16TJ-0186	-	-	30.00	
25-Aug-21		NL-01L-0365	-	-	61.17	
25-Aug-21		AS01BC-2781	-	-	57.68	
25-Aug-21	5	NL-01Q-8581	-	-	49.50	



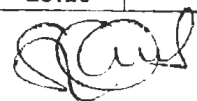


25-Aug-21		AS-01GC-6392	-	-	52.10
26-Aug-21		AS01FC-0129	-	-	57.68
26-Aug-21		AS01FC-9437	-	-	11.06
26-Aug-21		AS01DC-9309	-	-	38.20
26-Aug-21	4	AP-16TJ-0186	-	-	21.30
27-Aug-21		AS01EC-2197	-	-	47.53
27-Aug-21		RJ18GA-2905	-	-	35.85
27-Aug-21	3	AS01CC-8496	-	-	38.20
28-Aug-21		AS-01CC-7667	-	-	33.25
28-Aug-21		UP32DN-4494	-	-	49.50
28-Aug-21		AS-01EC-0135	-	-	54.80
29-Aug-21		AS-01DD-7187	-	-	47.53
29-Aug-21		AS-01FC-7035	-	-	55.82
29-Aug-21		AP28TE-6224	-	-	15.60
29-Aug-21	4	AS-25AC-1251	-	-	47.53
30-Aug-21		AS-25AC-1264	-	-	30.20
30-Aug-21		AS-01CC-4061	-	-	48.80
30-Aug-21	3	AS01DC-9723	-	-	38.90
31-Aug-21		AS01DC-9345	-	-	38.60
31-Aug-21		AS01BC-7588	-	-	41.20
31-Aug-21	3	AS-01EC-2197	-	-	39.60

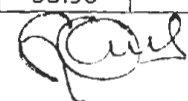
PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testing of PM2.5 at Truck movement area  µgm/m3
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			
				CO%	HC(ppm)	SD(HSU)	



Jul-21	1-Jul-21		AS-01FC-5275	-	-	30.00	31.5
	1-Jul-21		AS-01AC-7071	-	-	24.60	
	1-Jul-21		AS-01EC-0135	-	-	42.81	
	1-Jul-21	4	AS-25B-4033	-	-	43.80	
	2-Jul-21		AS-01DD-7187	-	-	30.20	
	2-Jul-21		AS-01FC-7035	-	-	61.17	
	2-Jul-21		AS-01DD-0747	-	-	61.17	
	2-Jul-21		AS01DC-0789	-	-	42.82	
	2-Jul-21	5	AS-01BC-0799	-	-	61.17	
	3-Jul-21		AS-01AC-0260	-	-	49.50	
	3-Jul-21		AS01CC-2590	-	-	52.10	
	3-Jul-21		AS-01AC-0911	-	-	57.68	
	3-Jul-21	4	AS-01GC-8485	-	-	11.06	
	4-Jul-21		AS-01AC-8642	-	-	38.20	
	4-Jul-21		AS-01DD-9886	-	-	21.30	
	4-Jul-21		AS01AC-5159	-	-	47.53	
	4-Jul-21		AS01BC-2351	-	-	35.85	
	4-Jul-21	5	AS-01DD-2155	-	-	15.70	
	5-Jul-21		AS-01AC-6499	-	-	30.20	
	5-Jul-21		AS-01AC-6411	-	-	30.20	
	5-Jul-21		AS01AC-9441	-	-	42.82	
	5-Jul-21	4	AS01BC-1099	-	-	26.86	
	6-Jul-21		AS01BC-2781	-	-	30.20	32.62
	6-Jul-21		PB-65X-7514	-	-	61.80	
	6-Jul-21		AS0-1BC-6598	-	-	61.17	
	6-Jul-21		AS-01DC-1525	-	-	21.30	
	6-Jul-21	5	AS-01DD-5535	-	-	42.82	
	7-Jul-21		AS-01EC-6272	-	-	45.90	
	7-Jul-21		AS01GC-6651	-	-	17.00	
	7-Jul-21		AS-01EC-9286	-	-	62.70	
	7-Jul-21	4	AP16TH-7677	-	-	31.00	
	8-Jul-21		AS01DD-9576	-	-	53.20	
	8-Jul-21		AS-01AC-2395	-	-	30.20	
	8-Jul-21		AS01DC-9632	-	-	61.80	
	8-Jul-21	4	AS01DC-9345	-	-	38.20	
	9-Jul-21		AS01DC-9737	-	-	13.50	
	9-Jul-21		AS-01CC-4331	-	-	61.17	
	9-Jul-21		AS01GC-5244	-	-	52.10	
	9-Jul-21	4	NL01D-3840	-	-	26.30	
	10-Jul-21		AP-07TJ-0369	-	-	30.20	
	10-Jul-21		AS01DC-0789	-	-	47.53	
	10-Jul-21	4	AS01DD-1278	-	-	29.10	



10-Jul-21		UP32DN-4494	-	-	30.20	
11-Jul-21		AS-01EC-0135	-	-	30.20	
11-Jul-21		AS-25B-4033	-	-	45.80	
11-Jul-21	3	AS-01CC-1941	-	-	47.20	
12-Jul-21		AS-01EC-9476	-	-	49.50	
12-Jul-21		AS-01FC-6225	-	-	23.40	
12-Jul-21	3	AS-01FC-7429	-	-	61.20	
13-Jul-21		TR01AB-1622	-	-	47.53	
13-Jul-21		AS-01DD-7187	-	-	47.53	
13-Jul-21		AS-01FC-7429	-	-	30.20	
13-Jul-21	4	AP28TE-6225	-	-	29.80	
14-Jul-21		AS-01DD-5712	-	-	42.82	
14-Jul-21		AS-01EC-8097	-	-	57.68	
14-Jul-21		AS01BC-1055	-	-	52.30	
14-Jul-21		AS01DC-0789	-	-	42.82	
14-Jul-21	5	AS-01DD-2557	-	-	30.00	
15-Jul-21		AS01CC-4259	-	-	61.17	
15-Jul-21		AS-01AC-0260	-	-	45.90	
15-Jul-21		AS01CC-2590	-	-	23.40	
15-Jul-21	4	NL01K-7665	-	-	29.87	
16-Jul-21		AS-01DD-2058	-	-	27.10	
16-Jul-21		TR-01K-1728	-	-	19.50	
16-Jul-21		AS-01GC-8855	-	-	45.80	
16-Jul-21	4	TR01AB-1622	-	-	52.10	
17-Jul-21	4	AS01CC-8579	-	-	53.90	
						33.36



17-Jul-21		AS-01EC-9476	-	-	59.10	
17-Jul-21		AS-01FC-7035	-	-	28.10	
17-Jul-21		AP28TE-6224	-	-	27.10	
18-Jul-21		AS-01FC-5275	-	-	61.17	
18-Jul-21		NL-01K-1761	-	-	40.70	
18-Jul-21	4	AS-01AC-7071	-	-	30.20	
19-Jul-21		TR-01K-1728	-	-	30.20	
19-Jul-21		AS-01GC-8855	-	-	30.20	
19-Jul-21	3	TR01AB-1622	-	-	62.70	
20-Jul-21		AS01CC-8579	-	-	53.20	
20-Jul-21		AS-01EC-9476	-	-	13.50	
20-Jul-21	3	AS-01BC-0799	-	-	13.40	
21-Jul-21		AS-01CC-7239	-	-	22.60	
21-Jul-21		AS-01C-3151	-	-	33.40	
21-Jul-21		AS01CC-2590	-	-	45.20	
21-Jul-21	4	NL01K-7665	-	-	65.10	
22-Jul-21		AS-01AC-0911	-	-	55.10	
22-Jul-21		AS01CC-2590	-	-	51.86	
22-Jul-21		AS-01GC-8485	-	-	22.66	
22-Jul-21		AS-01AC-8642	-	-	15.70	
22-Jul-21	5	AS01DD-2058	-	-	53.20	
23-Jul-21		AS-01AC-0911	-	-	61.60	
23-Jul-21		AS01CC-2590	-	-	47.53	
23-Jul-21		AS-01AC-8642	-	-	47.53	
23-Jul-21	4	AS01DD-2058	-	-	29.87	
						32.28



24-Jul-21		AS-01DD-9886	-	-	23.40
24-Jul-21		AS-01EC-4737	-	-	44.28
24-Jul-21	4	AS-01BC-4537	-	-	61.17
25-Jul-21		AS-01FC-9731	-	-	61.12
25-Jul-21		AS-01BC-2351	-	-	61.17
25-Jul-21	4	AS01FC-9437	-	-	40.70
26-Jul-21		AS01EC-7849	-	-	30.20
26-Jul-21		AS-01GC-6392	-	-	30.20
26-Jul-21		AS-01DD-3086	-	-	56.70
26-Jul-21	4	NL-01Q-4612	-	-	51.06
27-Jul-21		NL-01Q-8581	-	-	30.20
27-Jul-21		AS-01AC-6411	-	-	47.53
27-Jul-21		AS01DC-7709	-	-	46.30
27-Jul-21	4	AS01BC-1099	-	-	33.60
28-Jul-21		AS01BC-2781	-	-	13.50
28-Jul-21	2	NL-01L-0365	-	-	38.20
29-Jul-21		PB-65X-7514	-	-	30.00
29-Jul-21		ASO-1BC-6598	-	-	61.17
29-Jul-21	3	AS-01AC-8113	-	-	57.68
30-Jul-21		AS-01DC-1525	-	-	49.50
30-Jul-21		AS-01DD-5535	-	-	52.10
30-Jul-21	4	AS-01EC-0659	-	-	57.68
31-Jul-21		AS-01FC-9906	-	-	11.06
31-Jul-21		AS-01GC-5842	-	-	38.20
31-Jul-21	4	AS01GC-6651	-	-	21.30



	31-Jul-21	AS-01FC-7312	-	-	47.53	
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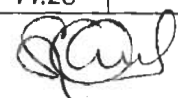
PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testing of PM2.5 at Truck movement area
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			
				CO%	HC(ppm)	SD(HSU)	µgm/m3
Jun-21	1-Jun-21	4	AS-01DD-0747	-	-	31.00	33.36
	1-Jun-21		AS01DC-0789	-	-	53.20	
	1-Jun-21		AS-01BC-0799	-	-	30.20	
	1-Jun-21		AS-01AC-0260	-	-	61.80	
	2-Jun-21	4	AS01CC-2590	-	-	38.20	
	2-Jun-21		AS-01AC-0911	-	-	38.10	
	2-Jun-21		AS-01DD-5535	-	-	52.10	
	2-Jun-21		AS-01EC-0659	-	-	57.68	
	3-Jun-21	5	AS-01FC-9906	-	-	11.06	
	3-Jun-21		AS-01GC-5842	-	-	38.20	
	3-Jun-21		AS01GC-6651	-	-	21.30	
	3-Jun-21		AS-01FC-7312	-	-	47.53	
	3-Jun-21		AP-16TG-0877	-	-	35.85	
	4-Jun-21	4	AP16TH-7677	-	-	38.20	
	4-Jun-21		AS01DC-6357	-	-	33.25	
	4-Jun-21		AS-01EC-2197			57.61	
	4-Jun-21		AS-01DC-9732			49.60	
	5-Jun-21	4	AS-01AC-2395	-	-	49.50	
	5-Jun-21		AS01BC-7588	-	-	54.80	
	5-Jun-21		AS01DC-9345	-	-	47.53	
	5-Jun-21		AS01DC-9437	-	-	55.82	
	6-Jun-21	3	AP-16TJ-0186	-	-	15.60	
	6-Jun-21		AS-01CC-4331	-	-	47.53	
	6-Jun-21		AS01GC-5244	-	-	42.82	
	7-Jun-21	3	NL01D-3840	-	-	23.40	
	7-Jun-21		RJ18GA-2905	-	-	14.50	
	7-Jun-21		AS-01DC-9732	-	-	47.53	
	8-Jun-21	4	AS-01FC-5275	-	-	30.00	
	8-Jun-21		AS-01AC-7071	-	-	24.60	
	8-Jun-21		AS-01EC-0135	-	-	42.81	
	8-Jun-21		AS-25B-4033	-	-	43.80	
	9-Jun-21	4	AS-01DD-7187	-	-	30.20	
	9-Jun-21		AS-01FC-7035	-	-	61.17	
	9-Jun-21		AS-01DD-0747	-	-	61.17	
	9-Jun-21		AS01DC-0789	-	-	42.82	
	10-Jun-	4	AS-01BC-0799	-	-	61.17	



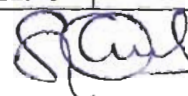


21					
10-Jun-21		AS-01FC-6225	-	-	61.17
10-Jun-21		AS-01DC-9732	-	-	40.70
10-Jun-21		AS-01FC-5275	-	-	30.20
11-Jun-21	3	NL-01K-1761	-	-	30.20
11-Jun-21		AS-01DD-2058	-	-	30.20
11-Jun-21		TR01AB-1622	-	-	62.70
12-Jun-21	4	AS-01DD-7187	-	-	53.20
12-Jun-21		AS-01FC-7035	-	-	13.50
12-Jun-21		AP28TE-6224	-	-	13.40
12-Jun-21		AS-01DD-5712	-	-	22.60
13-Jun-21	4	NL01D-3840			33.40
13-Jun-21		AS-01EC-9417	-	-	33.40
13-Jun-21		AS01DC-0789	-	-	45.20
13-Jun-21		AS-01BC-0799	-	-	65.10
14-Jun-21	5	AS01CC-4259	-	-	55.10
14-Jun-21		AS-01CC-7239	-	-	51.86
14-Jun-21		AS-01C-9075	-	-	22.66
14-Jun-21		NL01K-7665	-	-	15.70
14-Jun-21		NL02N-0433	-	-	53.20
15-Jun-21	3	AS-01AC-0911	-	-	61.60
15-Jun-21		AS01CC-2590	-	-	47.53
15-Jun-21		AS-01AC-8642	-	-	47.53
16-Jun-21	4	AS01DD-2058	-	-	29.87
16-Jun-21		AS-01DD-9886	-	-	23.40
16-Jun-		AS-01EC-4737	-	-	44.28

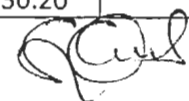
33



21					
16-Jun-21		AS-01BC-4537	-	-	61.17
17-Jun-21		AS-01FC-9731	-	-	61.12
17-Jun-21	4	AS-01BC-2351	-	-	61.17
17-Jun-21		AS01FC-9437	-	-	40.70
17-Jun-21		AS01EC-7849	-	-	30.20
18-Jun-21		AS-01GC-6392	-	-	30.20
18-Jun-21	4	AS-01DD-3086	-	-	56.70
18-Jun-21		NL-01Q-4612	-	-	51.06
18-Jun-21		NL-01Q-8581	-	-	30.20
19-Jun-21		AS-01AC-6411	-	-	47.53
19-Jun-21	4	AS01DC-7709	-	-	46.30
19-Jun-21		AS01BC-1099	-	-	33.60
19-Jun-21		AS01BC-2781	-	-	13.50
20-Jun-21		NL-01L-0365	-	-	38.20
20-Jun-21	3	PB-65X-7514	-	-	30.00
20-Jun-21		AS0-1BC-6598	-	-	61.17
21-Jun-21		AS-01AC-8113	-	-	57.68
21-Jun-21	4	AS-01DC-1525	-	-	49.50
21-Jun-21		AS-01FC-9731	-	-	28.10
21-Jun-21		AS-01BC-2351	-	-	29.30
22-Jun-21		AS-01EC-0373	-	-	30.40
22-Jun-21	6	AS01FC-0129	-	-	29.10
22-Jun-21		AS-01DC-9791	-	-	33.40
22-Jun-21		AS-25CC-3200	-	-	50.10
22-Jun-21		NL-01Q-8581	-	-	22.70
					32.8

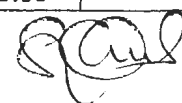


21					
23-Jun-21	4	AS01AC-9441	-	-	47.10
23-Jun-21		AS01BC-2781	-	-	29.10
23-Jun-21		AS-01GC-0155	-	-	30.10
23-Jun-21		NL-01L-0365	-	-	28.10
24-Jun-21	4	AS-01AC-8113	-	-	16.60
24-Jun-21		AS-01DC-1525	-	-	28.10
24-Jun-21		AS-01DD-5213	-	-	26.40
24-Jun-21		AS-01FC-9906	-	-	28.40
25-Jun-21	4	AS-01BC-0799	-	-	61.17
25-Jun-21		AS-01AC-0260	-	-	49.50
25-Jun-21		AS01CC-2590	-	-	52.10
25-Jun-21		AS-01AC-0911	-	-	57.68
26-Jun-21	4	AS-01GC-8485	-	-	11.06
26-Jun-21		AS-01AC-8642	-	-	38.20
26-Jun-21		AS-01DD-9886	-	-	21.30
26-Jun-21		AS01AC-5159	-	-	47.53
27-Jun-21	5	AS01BC-2351	-	-	35.85
27-Jun-21		AS-01DD-2155	-	-	15.70
27-Jun-21		AS01DD-1278			28.50
27-Jun-21		AP28TE-6225			55.10
27-Jun-21		AS-01AC-6499	-	-	30.20
28-Jun-21	5	AS-01AC-6411	-	-	30.20
28-Jun-21		AS01AC-9441	-	-	42.82
28-Jun-21		AS01BC-1099	-	-	26.86
28-Jun-21		AS01BC-2781	-	-	30.20



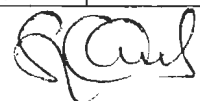
21						
29-Jun-21			PB-65X-7514	-	-	61.80
29-Jun-21		4	AS0-1BC-6598	-	-	61.17
29-Jun-21			AS-01DC-1525	-	-	21.30
29-Jun-21			AS-01DD-5535	-	-	42.82
30-Jun-21			AS-01EC-6272	-	-	45.90
30-Jun-21		4	AS01GC-6651	-	-	17.00
30-Jun-21			AS-01EC-9286	-	-	62.70
30-Jun-21			AP16TH-7677	-	-	31.00

PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testing of PM2.5 at Truck movement area
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			µgm/m <sup>3</sup>
May-21	1-May-21		AS-01GC-8485	-	-	61.17	31
	1-May-21		AS-01AC-8642	-	-	30.20	
	1-May-21	3	AS-01DD-9886	-	-	47.53	
	2-May-21		AS01AC-5159	-	-	30.20	
	2-May-21		AS01BC-2351	-	-	30.20	
	2-May-21		AS-01DD-2155	-	-	45.80	
	2-May-21	4	AS-01AC-6499	-	-	47.20	
	3-May-21		AS-01AC-6411	-	-	49.50	
	3-May-21		AS01AC-9441	-	-	23.40	
	3-May-21	3	AS01BC-1099	-	-	61.20	
	4-May-21		AS01BC-2781	-	-	47.53	
	4-May-21		PB-65X-7514	-	-	47.53	
	4-May-21		AS0-1BC-6598	-	-	30.20	
	4-May-21	4	AS-01DC-1525	-	-	29.80	
	5-May-21		AS-01DD-5535	-	-	42.82	
	5-May-21		AS-01EC-6272	-	-	57.68	
	5-May-21		AS01GC-6651	-	-	52.30	
	5-May-21		AS-01EC-9286	-	-	42.82	
	5-May-21	5	AP16TH-7677	-	-	30.00	



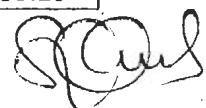
6-May-21		AS01DD-9576	-	-	61.17	
6-May-21		AS-01AC-2395	-	-	45.90	
6-May-21		AS01DC-9632	-	-	29.87	
6-May-21		AS01DC-9345	-	-	47.53	
6-May-21	5	AS01DC-9737	-	-	19.50	
7-May-21		AS-01CC-4331	-	-	22.60	
7-May-21		AS01GC-5244	-	-	36.10	
7-May-21		NL01D-3840	-	-	34.40	
7-May-21	4	AP-07TJ-0369	-	-	38.70	
8-May-21		AS01DC-0789	-	-	42.40	
8-May-21		AS01DD-1278	-	-	46.10	
8-May-21		UP32DN-4494	-	-	45.10	
8-May-21	4	AS-01EC-0135	-	-	46.80	
9-May-21		AS-25B-4033	-	-	28.10	
9-May-21		AS-01CC-1941	-	-	27.10	
9-May-21		AS-01EC-9476	-	-	19.50	
9-May-21	4	AS-01FC-6225	-	-	45.80	
10-May-21		AS-01FC-7429	-	-	52.10	
10-May-21		TR01AB-1622	-	-	53.90	
10-May-21		AS-01DD-7187	-	-	59.10	
10-May-21		AS-01FC-7429	-	-	28.10	
10-May-21	5	AP28TE-6225	-	-	27.10	
11-May-21		AS-01DD-5712	-	-	33.10	
11-May-21		AS-01EC-8097	-	-	61.60	
11-May-21		AS-25CC-3200	-	-	60.70	
11-May-21	4	NL01N-4249	-	-	61.19	
12-May-21		NL-01Q-4612	-	-	56.40	
12-May-21		NL-01Q-8581	-	-	28.90	
12-May-21	3	AS-01AC-6411	-	-	13.40	
13-May-21		AS01DC-7709	-	-	22.60	
13-May-21		AS01AC-9441	-	-	33.40	
13-May-21	5	AS01BC-1099	-	-	45.20	

32.4



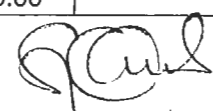
13-May-21		AS01BC-2781	-	-	65.10
13-May-21		AS01DC-4326	-	-	55.10
14-May-21		AS-01GC-0155	-	-	51.86
14-May-21		NL-01L-0365	-	-	22.66
14-May-21		PB-65X-7514	-	-	15.70
14-May-21	4	ASO-1BC-6598	-	-	53.20
15-May-21		AS-01AC-8113	-	-	47.53
15-May-21		AS-01DC-1525	-	-	47.53
15-May-21		AS-01DD-5213	-	-	29.87
15-May-21	4	AS-01DD-5535	-	-	23.40
16-May-21		AS-01EC-0659	-	-	44.28
16-May-21		AS-01EC-6272	-	-	61.17
16-May-21		AS-01FC-9906	-	-	61.12
16-May-21	4	AS-01GC-5842	-	-	61.17
17-May-21		AS01GC-6651	-	-	40.70
17-May-21		AS01DC-9737	-	-	30.20
17-May-21		TR-01K-1728	-	-	62.70
17-May-21	4	AS-01GC-8855	-	-	53.20
18-May-21		TR01AB-1622	-	-	13.50
18-May-21		AS01CC-8579	-	-	13.40
18-May-21		AS-01EC-9476	-	-	22.60
18-May-21	4	AS-01FC-6225	-	-	33.40
19-May-21		AS-01FC-7429	-	-	45.20
19-May-21		AP28TE-6224	-	-	65.10
19-May-21	3	AS-01DD-0747	-	-	55.10

31.6



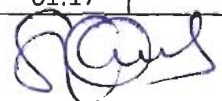


20-May-21	4	AS-01EC-4737	-	-	51.86	32.4
20-May-21		AS-01BC-4537	-	-	22.66	
20-May-21		AS-01FC-9731	-	-	15.70	
20-May-21		AS-01BC-2351	-	-	53.20	
21-May-21	3	AS01FC-9437	-	-	61.60	
21-May-21		AS01EC-7849	-	-	47.53	
21-May-21		AS-01GC-6392	-	-	47.53	
22-May-21	4	AS-01DD-3086	-	-	29.87	
22-May-21		NL-01Q-4612	-	-	23.40	
22-May-21		NL-01Q-8581	-	-	44.28	
22-May-21		AS-01AC-6411	-	-	61.17	
23-May-21	4	AS01DC-7709	-	-	61.12	
23-May-21		AS01BC-1099	-	-	61.17	
23-May-21		AS01BC-2781	-	-	40.70	
23-May-21		NL-01L-0365	-	-	30.20	
24-May-21	4	PB-65X-7514	-	-	30.20	
24-May-21		AS0-1BC-6598	-	-	56.70	
24-May-21		AS-01AC-8113	-	-	51.06	
24-May-21		AS-01DC-1525	-	-	30.20	
25-May-21	4	AS-01DD-5535	-	-	47.53	
25-May-21		AS-01EC-0659	-	-	46.30	
25-May-21		AS-01FC-9906	-	-	33.60	
25-May-21		AS-01GC-5842	-	-	13.50	
26-May-21	4	AS01GC-6651	-	-	38.20	
26-May-21		AS-01FC-7312	-	-	30.00	



26-May-21		AP-16TG-0877	-	-	61.17
26-May-21		AP16TH-7677	-	-	57.68
27-May-21		AS01DC-6357	-	-	49.50
27-May-21		AS-01EC-2197	-	-	52.10
27-May-21	3	AS-01AC-2395	-	-	57.68
28-May-21		AS01BC-7588	-	-	11.06
28-May-21		AS01DC-9345	-	-	38.20
28-May-21		AS01DC-9437	-	-	21.30
28-May-21	4	AP-16TJ-0186	-	-	47.53
29-May-21		AS-01CC-4331	-	-	35.85
29-May-21		AS01GC-5244	-	-	38.20
29-May-21		NL01D-3840	-	-	33.25
29-May-21	4	RJ18GA-2905	-	-	57.61
30-May-21		AS-01DC-9732	-	-	61.80
30-May-21		AS-01FC-5275	-	-	61.17
30-May-21		AS-01AC-7071	-	-	21.30
30-May-21	4	AS-01EC-0135	-	-	42.82
31-May-21		AS-25B-4033	-	-	45.90
31-May-21		AS-01DD-7187	-	-	17.00
31-May-21	3	AS-01FC-7035	-	-	62.70

PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testin PM2.5 at Tru movement ar
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			
				CO%	HC(ppm)	SD(HSU)	
Apr-21	1-Apr-21	5	AS01BC-1099	-	-	61.17	µgm/m3 30.5



1-Apr-21		AS01BC-2781	-	-	40.70
1-Apr-21		PB-65X-7514	-	-	30.20
1-Apr-21		AS0-1BC-6598	-	-	56.70
1-Apr-21		AS-01AC-8113	-	-	51.06
2-Apr-21		AS-01DC-1525	-	-	30.20
2-Apr-21		AS-01DD-5535	-	-	47.53
2-Apr-21		AS-01EC-0659	-	-	46.30
2-Apr-21	4	AS-01FC-9906	-	-	33.60
3-Apr-21		AS-01GC-5842	-	-	13.50
3-Apr-21		AS01GC-6651	-	-	38.20
3-Apr-21	3	AS-01FC-7312	-	-	30.00
4-Apr-21		AP-16TG-0877	-	-	61.17
4-Apr-21		AP16TH-7677	-	-	57.68
4-Apr-21		AS01DC-6357	-	-	49.50
4-Apr-21	4	AS-01EC-2197	-	-	52.10
5-Apr-21		AS-01AC-2395	-	-	57.68
5-Apr-21		AS01BC-7588	-	-	11.06
5-Apr-21		AS01DC-9345	-	-	38.20
5-Apr-21	4	AS01DC-9437	-	-	21.30
6-Apr-21		AP-16TJ-0186	-	-	47.53
6-Apr-21		AS-01CC-4331	-	-	35.85
6-Apr-21		NL01D-3840	-	-	33.25
6-Apr-21		RJ18GA-2905	-	-	57.61
6-Apr-21	5	AS-01DC-9732	-	-	61.80
7-Apr-21		AS-01FC-5275	-	-	61.17
7-Apr-21		AS-01EC-0135	-	-	42.82
7-Apr-21		AS-25B-4033	-	-	45.90
7-Apr-21	4	AS-01DD-7187	-	-	17.00
8-Apr-21		AS-01FC-7035	-	-	62.70
8-Apr-21		AS-01DD-0747	-	-	31.00
8-Apr-21	3	AS01DC-0789	-	-	53.20
9-Apr-21		AS01CC-2590	-	-	38.20
9-Apr-21		AS-01AC-0911	-	-	38.10
9-Apr-21	3	AS-01GC-8485	-	-	61.17
10-Apr-21		AS-01AC-8642	-	-	30.20
10-Apr-21		AS-01DD-9886	-	-	47.53
10-Apr-21		AS01AC-5159	-	-	30.20
10-Apr-21	4	AS01BC-2351	-	-	30.20
11-Apr-21		AS-01DD-2155	-	-	45.80
11-Apr-21		AS-01AC-6499	-	-	47.20
11-Apr-21		AS-01AC-6411	-	-	49.50
11-Apr-21		AS01AC-9441	-	-	23.40
11-Apr-21	5	AS01BC-1099	-	-	61.20
11-Apr-21	4	AS01BC-2781	-	-	47.53


31.42



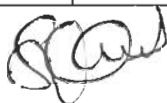
11-Apr-21		PB-65X-7514	-	-	47.53
12-Apr-21		AS0-1BC-6598	-	-	30.20
12-Apr-21		AS-01DC-1525	-	-	29.80
13-Apr-21		AS-01DD-5535	-	-	42.82
13-Apr-21	2	AS-01EC-6272	-	-	57.68
14-Apr-21		AS01GC-6651	-	-	52.30
14-Apr-21		AS-01EC-9286	-	-	42.82
14-Apr-21		AP16TH-7677	-	-	30.00
14-Apr-21		AS01DD-9576	-	-	61.17
14-Apr-21		AS-01AC-2395	-	-	45.90
14-Apr-21	6	AS01DC-9632	-	-	29.87
15-Apr-21		AS01DC-9345	-	-	47.53
15-Apr-21		AS01DC-9737	-	-	19.50
15-Apr-21		AS-01CC-4331	-	-	22.60
15-Apr-21	4	AS01GC-5244	-	-	36.10
16-Apr-21		NL01D-3840	-	-	34.40
16-Apr-21		AP-07TJ-0369	-	-	38.70
16-Apr-21	3	AS01DC-0789	-	-	42.40
17-Apr-21		AS01DD-1278	-	-	46.10
17-Apr-21		UP32DN-4494	-	-	45.10
17-Apr-21		AS-01EC-0135	-	-	46.80
17-Apr-21	4	AS-25B-4033	-	-	28.10
18-Apr-21		AS-01CC-1941	-	-	27.10
18-Apr-21		AS-01EC-9476	-	-	19.50
18-Apr-21		AS-01FC-6225	-	-	45.80
18-Apr-21	4	AS-01FC-7429	-	-	52.10
19-Apr-21		TR01AB-1622	-	-	53.90
19-Apr-21		AS-01DD-7187	-	-	59.10
19-Apr-21		AS-01FC-7429	-	-	28.10
19-Apr-21	4	AP28TE-6225	-	-	27.10
20-Apr-21		AS-01DD-5712	-	-	33.10
20-Apr-21		AS-01EC-8097	-	-	61.60
20-Apr-21	3	AS-25CC-3200	-	-	60.70
21-Apr-21		NL01N-4249	-	-	61.19
21-Apr-21		NL-01Q-4612	-	-	56.40
21-Apr-21		NL-01Q-8581	-	-	28.90
21-Apr-21	4	AS-01AC-6411	-	-	13.40
22-Apr-21		AS01DC-7709	-	-	22.60
22-Apr-21		AS01AC-9441	-	-	33.40
22-Apr-21		AS01BC-1099	-	-	45.20
22-Apr-21		AS01BC-2781	-	-	65.10
22-Apr-21	5	AS01DC-4326	-	-	55.10
23-Apr-21		AS-01GC-0155	-	-	51.86
23-Apr-21	4	NL-01L-0365	-	-	22.66

30.75

32.5



23-Apr-21		PB-65X-7514	-	-	15.70
23-Apr-21		AS-01AC-8113	-	-	47.53
24-Apr-21		AS-01DC-1525	-	-	47.53
24-Apr-21		AS-01DD-5213	-	-	29.87
24-Apr-21		AS-01DD-5535	-	-	23.40
24-Apr-21	4	AS-01EC-0659	-	-	44.28
25-Apr-21		AS-01EC-6272	-	-	61.17
25-Apr-21	2	AS-01FC-9906	-	-	61.12
26-Apr-21		AS-01GC-5842	-	-	61.17
26-Apr-21		AS01GC-6651	-	-	40.70
26-Apr-21	3	AS01DC-9737	-	-	30.20
27-Apr-21		AS-01GC-8855	-	-	53.20
27-Apr-21		TR01AB-1622	-	-	13.50
27-Apr-21		AS01CC-8579	-	-	13.40
27-Apr-21		AS-01EC-9476	-	-	22.60
27-Apr-21	5	AS-01FC-6225	-	-	33.40
28-Apr-21		AS-01FC-7429	-	-	45.20
28-Apr-21		AP28TE-6224	-	-	65.10
28-Apr-21		AS-01DD-0747	-	-	55.10
28-Apr-21		AS-01EC-4737	-	-	51.86
28-Apr-21	5	AS-01BC-4537	-	-	22.66
29-Apr-21		AS-01FC-9731	-	-	15.70
29-Apr-21		AS-01BC-2351	-	-	53.20
29-Apr-21		AS01FC-9437	-	-	61.60
29-Apr-21	4	AS01EC-7849	-	-	47.53
30-Apr-21		AS-01GC-6392	-	-	47.53
30-Apr-21		AS-01DD-3086	-	-	29.87
30-Apr-21	3	AP28TE-6224	-	-	27.10



**Annexure-V**

**CSR activity for the period Oct'20- March'21**



**Annexure -V****Item-wise Corporate Social Responsibility details along  
with costing****For FY 2021-22(April to September 2021)**

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

☐ **Village Infrastructure-**

- Drinking water is providing by M/s Topcem India to nearby village on daily basis and spent cost is nearly 48533/-(Rupees Forty Eight Thousand Five Hundred Thirty Three only) per month. Cost for April 2021 to September 2021 is-Rs 291200/- .
- Water sprayed on road at village Gauripur to suppress dust and spent cost nearly Rs 2513/- ( Rupees Two thousand Five hundred Thirteen Only ) per month . Cost for April 2021 to September 2021 is Rs 15080/-

☐ **Welfare work**

- Donation to Harekrishna Movement, Guwahati -Rs. 36000/-
- Bottled water 20 no 20 ltr water jar with water & dispenser donate to CORONA vaccine camp at North Guwahati College on 26-5-2021.Amount Rs 5500/-





**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR  
THE PERIOD APRIL'2021 TO SEPTEMBER'2021**

☐ OTHER CSR ACTIVITIE

**CSR 2020-21**

MONTH	EVENT NAME	CSR/ ACTIVITY	DATE	LOCATION	TOTAL EXPENSES
APRIL	BIHU	Various items donated to Old Age Homes and Orphanage on the occasion of	10-04-2021 TO 11-04-2021	KAMRUP	95000

**TOTAL COST SPENT UNDER CSR ACTIVITY IN  
2021-22(April TO Sep 2021) IS RUPREES 442780/-  
ONLY.**

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

**Annexure-VI**

**Occupational Health Record**



UID: 20210006877

T. R. B. Bafna Kamrup District Civil Hospital  
Arringaon Silmahakhati Guwahati

PHOTO NO: 108, TOKEN NO: 10

PHOTO FRESA1

FIR ID: 21010299005943086

OUTPATIENT RECORD

NAME

AGE

DATE

12/07/2021 AM

Fee

Sex

SOCIETY

Phone

12/07/2021 PM

Occupation OTHER

Prepared by Mr. Sanjeev Das

RAT-Negative (-) UA

19/11/21

Lab. Technician  
T.R.B. Kamrup Civil Hospital  
Arringaon, Guwahati

## Patient Information

Name Haque, Mr. Maynal  
ID 208848  
Age 35  
Height 170 cm  
Weight 58 kg BMI 20.1  
Gender Male  
Ethnicity Indian (+)

## Test Information

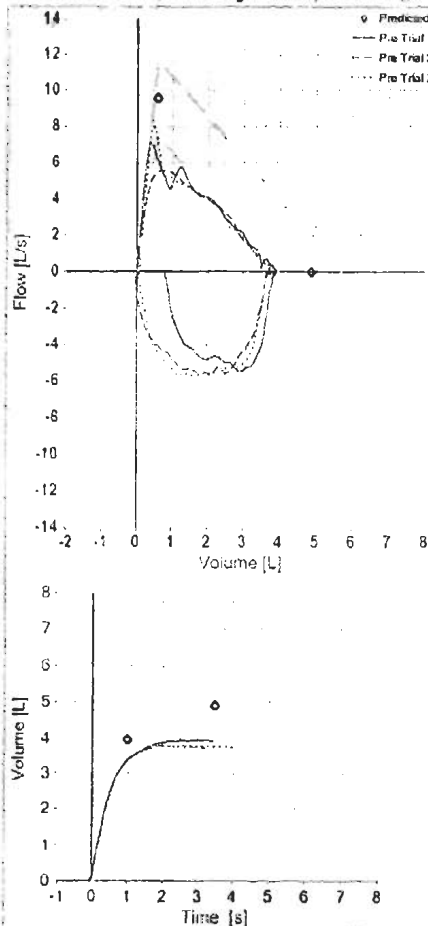
Test Type Spirometry  
Test Date 11/9/2021 10:48:17 AM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

## Test Result

Your FEV1 / Predicted: 86%

Parameter	Pred	LLN	Best	Trial 1	Trial 3	Trial 2	%Pred
FVC [L]	4.89	4.03	3.92*	3.92*	3.78*	3.76*	80
FEV1 [L]	3.96	3.24	3.39	3.39	3.34	3.34	86
FEV1/FVC	0.808	0.711	0.864	0.864	0.835	0.886	107
FEF25-75% [L/s]	3.94	2.48	3.65	3.65	3.86	3.71	92
PEF [L/s]	9.57	7.45	8.10	8.10	8.10	8.10	85
FET [s]	-	-	2.0	2.0	2.0	2.4	-
FIVC [L]	4.89	4.03	3.79*	3.60*	3.70*	3.60*	78
PIF [L/s]	-	-	5.75	5.47	5.66	5.75	-
Session Quality	Pre		B (FEV1 Var=0.00L (0.1%); FVC Var=0.14L (3.7%))				
System Interpretation	Pre		Normal Spirometry				

\*Indicates below LLN or significant post change



Last Reviewer 311/9/2021

(Patient Use)

Narayana Superspeciality Hospital

(A Unit of Narayana Hrudayalaya Limited) CIN: L65110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



nddReportForward

Appointments

1800-309-0309 (Toll Free)

Emergencies

8811-888-888

Patient Name	Maynal Haque	Requested By	TOPCEM
MRN	17550000208848	Procedure DateTime	2021-11-09 10:30:56
Age/Sex	35Y / Male	Hospital	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration.  
The mediastinum is central.  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour.  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION: No significant abnormality.**

  
**Dr. Pankaj Sarmah**  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2021-11-10 12:02:34





U IID: 20210006878

Tel. Bani Rafna Kamrup District Civil Hospital  
Amtingaon Silamahakhaiti Guwahati

ROOM NO: 108, FORTN NO: 11

WED 10/09/2021

EHR ID: 21010267005943217

OUT PATIENT RECORD

DEBINA KANTA DEB

Age: 40

DOB: 08/09/1981

Time: 10:39 AM

Fee: 10.00

Sex: Male

SOLED: 1

Final:

ASSAM, INDIA

Occupation: OTHER

Prepared by: Mr. Sangeeth Das

RAT-Negative (LHA)

19/10/21

Lab. Technician  
T.R.B. Kamrup Civil Hospital  
Amtingaon, Ghp-21

### Patient Information

Name: Dubey, Mr. Krishna Kanta  
ID: 208850  
Age: 22  
Height: 186 cm  
Weight: 78 kg BMI: 22.5  
Gender: Male  
Ethnicity: Indian (+)

### Test Information

Test Type: Spirometry  
Test Date: 11/09/2021 10:52:32 AM  
Post Time: 11:00 AM  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

**NH Narayana Bafna**  
Superspeciality Hospital  
Unit of Narayana Health  
Socially Inspired by Shri Subhakar Jain Bafna

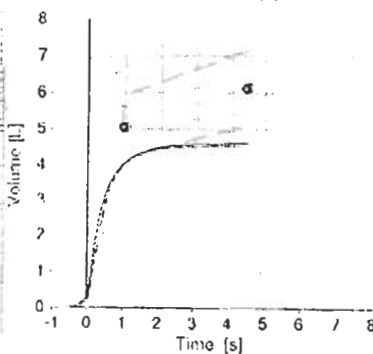
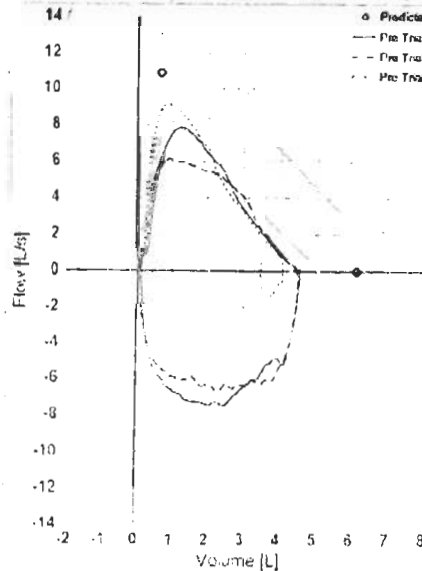
### Test Result

Your FEV1 / Predicted: 79%

Parameter	Pred	LLN	Best	Trial 2	Trial 5	Trial 4	%Pred
FVC [L]	6.14	5.12	4.61*	4.61*	4.55*	4.42	75
FEV1 [L]	5.06	4.20	4.00*	4.00*	3.96*	3.56*	79
FEV1/FVC	0.835	0.738	0.869	0.869	0.871	0.963	104
FEF25-75% [L/s]	5.18	3.43	4.73	4.73	4.69	5.46	91
PEF [L/s]	10.88	8.34	9.17	7.86*	6.13*	9.17	84
FET [s]	-	-	4.2	4.2	3.7	1.2	-
FIVC [L]	6.14	5.12	4.61*	4.61*	4.55*	4.42	75
PIF [L/s]	-	-	7.49	7.49	6.70	1.40	-

Session Quality: Pre A (FEV1 Var=0.04L (1.0%), FVC Var=0.06L (1.2%))  
System Interpretation: Pre Restriction probable, further examination recommended

\* indicates below LLN or significant post change



Last Reviewer: 31/09/2021

Medizintechnik AG  
Easy-on-PC (1.7.6.4) (emp-PC-Sensor) (2.0.0)  
SN 218138

1/1

(Patient Use)

**Narayana Superspeciality Hospital**

(A Unit of Narayana Hrudaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore-560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



AddReportForced

Appointments

**1800-309-0309 (Toll Free)**

Emergencies


**8811-888-8888**

<b>Patient Name</b>	Krishna Kanta Dubey	<b>Requested By</b>	TOPCEM
<b>MRN</b>	17550000208850	<b>Procedure DateTime</b>	2021-11-09 10:30:52
<b>Age/Sex</b>	22Y / Male	<b>Hospital</b>	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration.  
The mediastinum is central.  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour.  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION: No significant abnormality.**

  
**Dr. Pankaj Sarmah**  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2021-11-10 12:09:09



UHID: 20210066879

Tolaram Bafna Kamrup District Civil Hospital  
Armingaon Silmahakhaitei Guwahati

ROOM NO: 108, TOKEN NO: 12

Regd. No.

Dr. D. H. FRESA

EHR ID: 21010284005943283

OUT PATIENT RECORD

Name of  
Department  
Patient No.

Dr. S. BANERJEE

Medicine

DS10001605

DOB: 08/11/2021, 09:00 AM

Fee: 10.00

Sex: Male

S O S L I

Email

Assam, INDIA

Occupation: OTHER

Prepared by: Mr. Sangeet Das

RAT- Negative Full

14/11/21

Lab. Technician  
T.R.B. Kamrup Dist Hospital  
Armingaon, Dny-31

### Patient Information

Name: Boria Mr Rajen  
ID: 208851  
Age: 30  
Height: 175 cm  
Weight: 80 kg  
Gender: Male  
Ethnicity: Indian (+)

### Test Information

Test Type: Spirometry  
Test Date: 11/05/2018  
Post Time: 11:10:57 AM  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

**NH Narayana | Bafna**  
Superspeciality Hospital  
Unit of Narayana Health Limited  
Socially Insured by Shri Subhakar Jan Bafna

### Test Result

Your FEV1 / Predicted: 59%

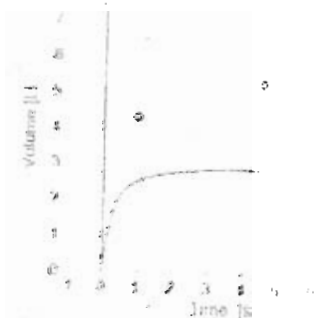
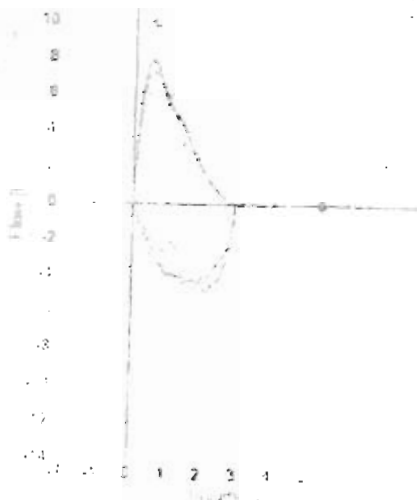
Parameter	Pred	LLN	Pre	Rest	Trial 4	Trial 6	Trial 3	%Pred
FVC (L)	5.29	4.39	5.1	3.58	3.7	3.7	3.7	55
FEV1 (L)	4.32	3.56	4.2	2.7	2.7	2.7	2.7	59
FEV1/FVC	0.818	0.821	0.870	0.880	0.854	0.851	0.851	100
FEF25-75% (L/s)	4.37	2.82	4.79	3.29	3.04	3.04	3.04	71
PEF (L/s)	10.01	7.76	10.94	7.94	7.94	7.94	7.94	79
FET (s)				1.3	1.3	1.3	1.3	4.0
FIVC (L)	5.2	4.39						
PIF (L/s)			4.78	4.78	4.76	4.74	4.74	

Session Quality: Good

System Interpretation:

A: FEV1 Var=0.05L (1.8%), FVC Var=0.03L (1.0%)

Restriction probable, further examination recommended



1.021 Reversion

(Patient Use)

**Narayana Superspeciality Hospital**

(A Unit of Narayana Health Limited) CIN: L85110KA2000PLC027457

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



ISO Report For Leg

Appointments

**1800-309-0309 (Toll Free)**

Emergencies

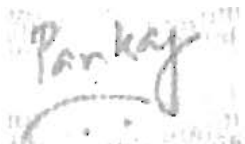
**8811-888-888**

<b>Patient Name</b>	Rajen Bonia	<b>Requested By</b>	TOPCEM
<b>MRN</b>	17550000208851	<b>Procedure DateTime</b>	2021-11-09 10:30:48
<b>Age/Sex</b>	30Y / Male	<b>Hospital</b>	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration  
The mediastinum is central  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION: No significant abnormality.**

  
**Dr. Pankaj Sarmah**  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2021-11-10 12:02:03

Page 1 of 1

**Narayana Superspecialty Hospital**

(A Unit of Narayana Hrudayalaya Limited) CIN: L65110KA2000PLC027407

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org

(Patient Use)



Appointments

**1800-309-0309 (Toll Free)**

Emergencies

**8811-888-888**



UHD: 20210006880

Tolaram Bafna Kamrup District Civil Hospital  
Arringaon Silamahakhaiti Guwahati

REGD NO: 108, TOK# N NO: 13

ANALYST: JRESAT

EHR ID: 21010277005943436

OUTPATIENT RECORD

NAME: GOURU

Address:

851 choudhury

10/10/2021 09:22:18 AM

Fee: 10.00

Sex: Male

SOCIETY

Phone:

Occupation: OTHER

Prepared by: Mr. Sanjeeb Das

RAT- Negative (-ve)

19/11/21

Lab. Technician  
T.R.B. Kamrup Civil Hospital  
Arringaon, Ghy-31



### Patient Information

Name: Gourh, Mr. Lakhu  
ID: 208853  
Age: 25  
Height: 166 cm  
Weight: 43 kg BMI: 15.6  
Gender: Male  
Ethnicity: Indian (+)

### Test Information

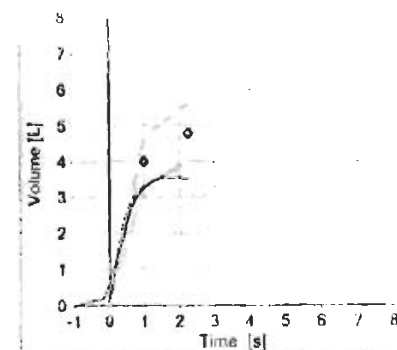
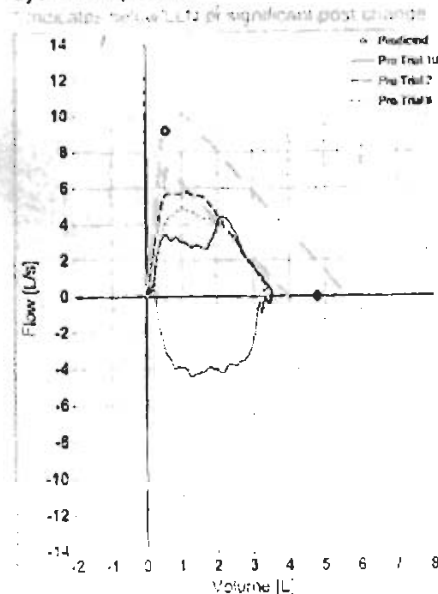
Test Type: FVL (ex/m)  
Test Date: 11/09/2021 11:03:30 AM  
Post Time:  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

**Narayana Bafna**  
Superspeciality Hospital  
Unit of Narayana Health  
Society inspired by Shri Subhakar Jain Sir

### Test Result

Your FEV1 / Predicted: 83%

Parameter	Pred	LLN	Pre	Best	Trial 10	Trial 2	Trial 8	%Pred
FVC [L]	4.79	3.98	3.55*	3.55*	3.55*	3.33*	3.40*	74
FEV1 [L]	4.00	3.32	3.32	3.26*	3.32	3.26*	3.26*	93
FEV1/FVC	0.829	0.732	0.936	0.919	0.997	0.997	0.956	113
FEF25-75% [L/s]	4.30	2.91	3.18	3.18	4.78	4.17	4.17	74
PEF [L/s]	9.19	7.17	8.20*	4.40*	5.79*	4.93*	4.93*	69
FET [s]	-	-	1.5	1.5	1.0	1.2	-	-
FIVC [L]	4.79	3.98	3.26*	3.19*	0.18*	0.24*	-	68
PIF [L/s]	-	-	5.86	4.42	0.79	0.67	-	-
Session Quality	Pre	-	A (FEV1 Var=0.06L (1.8%), FVC Var=0.01L (0.2%))					
System Interpretation	Pre	-	Normal Spirometry					



Last Reviewer: 3 11/9/2021

ndd Mediatechnik AG  
EasySpiro PC (V7.6.4) (R17) PC-Sensor; 20.0.0  
SN 210189

(Patient Use)

**Narayana Superspeciality Hospital**

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



nddReportForced

Appointments

**1800-309-0309 (Toll Free)**

Emergencies

**8811-888-888**

Patient Name	Lakhu Gourh	Requested By	TOPCEM
MRN	17550000208853	Procedure DateTime	2021-11-09 10:30:45
Age/Sex	25Y / Male	Hospital	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear

No active parenchymal lesion is seen

The cardiac silhouette is normal in size and configuration

The mediastinum is central

Both hila are normal in position, size, shape and density

Both domes of the diaphragm are normal in position and contour

Both costophrenic angles are clear

Soft tissue and bony cages are unremarkable

**IMPRESSION:** No significant abnormality.

*Pankaj*

**Dr. Pankaj Sarmah, MD**  
Consultant Radiologist

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Page 1 of

**Narayana Superspeciality Hospital**

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Ibaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org

(Patient Use)



Appointments

**1800-309-0309** (Toll Free)

Emergencies

**8811-888-888**



UHID: 20210006881

Tolaram Bafna Kamrup District Civil Hospital  
Armingaon Silamahakhaiti Guwahati

REG NO: 108, TOKEN NO: 14

DATE: 01.08.2021

EHR ID: 21010299005943502

OUTPATIENT RECORD

NAME: [illegible]  
FATHER'S NAME: [illegible]

DATE OF BIRTH: 05.08.1967

AGE: 54 years

Fee: 1000

Sex: Male

STATUS:

Final

Occupation: OTHER

Prepared by: Mr. Sanjeeb Das

RAT: Negative (-ve)  
9/11/21

Lab. Technician  
R.B. Kamrup Civil Hospital  
Guwahati

## Patient Information

Name: Bharali, Mr. Jayanta  
ID: 208860  
Age: 33  
Height: 166 cm  
Weight: 62 kg BMI: 22.5  
Gender: Male  
Ethnicity: Indian (+)

## Test Information

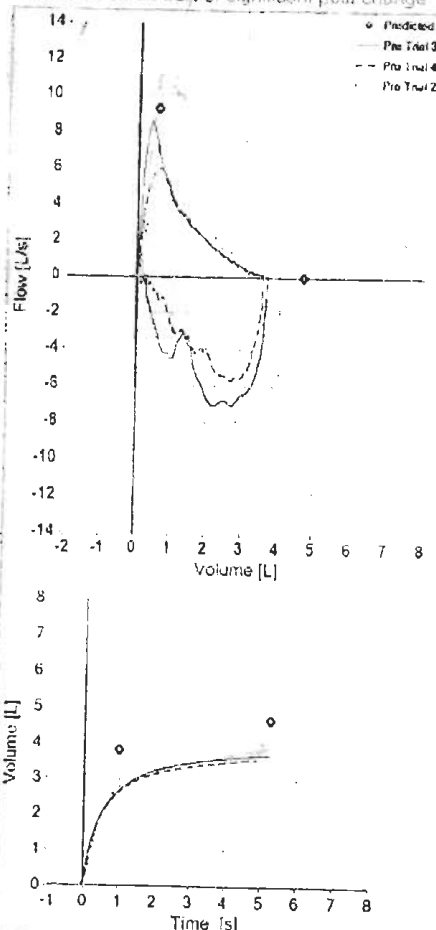
Test Type: Spirometry  
Test Date: 11/9/2021 11:20:44 AM  
Post Time: 11:20:44 AM  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

## Test Result

Your FEV1 / Predicted: 72%

Parameter	Pred	LLN	Best	Trial 3	Trial 4	Trial 2	%Pred
FVC [L]	4.67	3.86	3.68*	3.68*	3.55*	2.91*	79
FEV1 [L]	3.82	3.13	2.74*	2.64*	2.60*	2.74*	72
FEV1/FVC	0.812	0.715	0.746	0.719	0.733	0.940	92
FEF25-75% [L/s]	3.90	2.51	1.85*	1.85*	1.94*	3.38	47
PEF [L/s]	9.24	7.22	8.54	8.54	5.97*	4.26*	92
FET [s]	-	-	5.2	5.2	4.9	1.2	-
FIVC [L]	4.67	3.86	3.59*	3.59*	3.33*	-	77
PIF [L/s]	-	-	7.09	7.09	5.70	-	-
Session Quality	Pre	B (FEV1 Var=0.10L (3.6%); FVC Var=0.13L (3.5%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\*Indicates below LLN or significant post change



Last Reviewer

3 11/9/2021

(Patient Use)



nddReportForced

Appointments

1800-309-0309 (Toll Free)

Emergencies

8811-888-888

Narayana Superspecialty Hospital

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

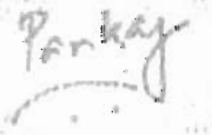
Email: guwahati@narayanahealth.org, www.narayanahealth.org

Patient Name	Jayanta Das	Requested By	TOPCEM
MRN	17550000208857	Procedure DateTime	2021-11-09 10:30:41
Age/Sex	43Y / Male	Hospital	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration.  
The mediastinum is central.  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour.  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION: No significant abnormality.**

  
**Dr. Pankaj Sarmah**  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2021-11-10 12:01:43

Page 1 of 1

**Narayana Superspecialty Hospital**

(A Unit of Narayana Health Limited) CIN: L85110KA2000PLC037497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tullaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org

(Patient Use)



Appointments

**1800-309-0309 (Toll Free)**

Emergencies

**8811-888-888**



UHID: 20210006882

Isolaram Bafna Kamrup District Civil Hospital  
Arningaon, Silamahalpaiti, Guwahati

REGD NO: 108, TOKEN NO: 15

DATE OF ISSUE: 15/08/2021

EHID: 2101023000594,0003

### OUTPATIENT RECORD

NAME: DEBAN HATONG

Address:

95100001008

Age: 18, Sex: Male, DOB: 23/12/2002

Fee: 10.00

Sex: Male

SOCIETY:

Unit:

09/08/21

State: ASSAM, INDIA

Occupation: OTHER

Prepared by: Mr. Sameeh Das

RAT. Negative (-ve)

9/8/21

Lab. Technician  
K.D. Kamrup Civil Hospital  
Arningaon, Ghy-39

## Patient Information

Name Hajong, Mr. Shyam Charan  
ID 208859  
Age 45  
Height 169 cm  
Weight 66 kg BMI 23.1  
Gender Male  
Ethnicity Indian (+)

## Test Information

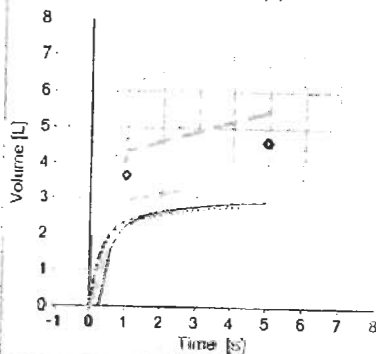
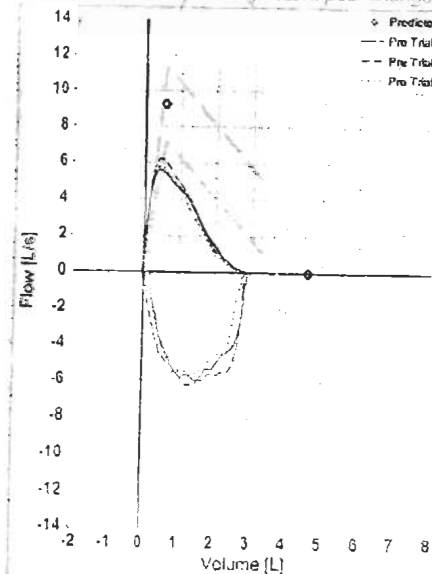
Test Type Superspeciality Hospital  
Test Date 11/09/2021 11:16:29 AM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

## Test Result

Your FEV1 / Predicted: 66%

Parameter	Pred	LLN	Pre	Best	Trial 2	Trial 5	Trial 3	%Pred
FVC [L]	4.61	3.77	2.95*	2.95*	2.84*	2.80*	2.80*	64
FEV1 [L]	3.64	2.93	2.42*	2.42*	2.34*	2.27*	2.27*	66
FEV1/FVC	0.787	0.690	0.821	0.821	0.826	0.812	0.812	104
FEF25-75% [L/s]	3.41	1.96	2.53	2.53	2.49	2.30	2.30	74
PEF [L/s]	9.27	7.18	5.72*	5.61*	5.24*	5.00*	5.00*	73
FET [s]	-	-	4.7	4.7	3.9	4.4	4.4	-
FIVC [L]	4.61	3.77	2.90*	2.72*	2.79*	2.61*	2.61*	63
PIF [L/s]	-	-	6.24	5.97	6.24	5.68	5.68	-
Session Quality	Pre		B (FEV1 Var=0.03L (1.2%); FVC Var=0.12L (3.9%))					
System Interpretation	Pre		Restriction probable; further examination recommended					

Indicates below LLN or significant post change



Last Reviewer 32 11/9/2021

(Patient Use)



nddReportForced

Appointments

1800-309-0309 (Toll Free)

Emergencies

8811-888-888

Narayana Superspeciality Hospital

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2600PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



<b>Patient Name</b>	Shyam Charan Hajong	<b>Requested By</b>	TOPCEM
<b>MRN</b>	17550000208859	<b>Procedure DateTime</b>	2021-11-09 10:30:38
<b>Age/Sex</b>	45Y / Male	<b>Hospital</b>	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration.  
The mediastinum is central.  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour.  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION:** No significant abnormality.

  
**Dr. Pankaj Sarmah**  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2021-11-10 12:04:34



UHID: 20210006883

Tolaram Bafna Kamrup District Civil Hospital  
Amingaon, Silamahakhaiti, Guwahati

ROOM NO: 108, TOKEN NO: 16

WED, THU, FRI, SAT

LTR ID: 21010249005943683

OUTPATIENT RECORD

JANAKA BHARATI

Age

05/09/1989

05/09/1989 09:10 AM

neg

IPEP, Kamrup, ASSAM, INDIA  
S.M.C.

Fee 1000

Sex Male

S.O.S.I.

Enam

Occupation OTHP

Prepared by Mr. Sanjeeb Das

RAT- Negative (-ve)

5/10/21

Lab. Technician  
T.R.S.B. Kamrup Civil Hospital  
Amingaon, Ghy-78

## Patient Information

Name Das, Mr. Jayanta  
ID 208857  
Age 43  
Height 170 cm  
Weight 49 kg BMI 17.0  
Gender Male  
Ethnicity Indian (+)

## Test Information

Test Type Superspeciality Hospital  
Test Date 31/09/2021 11:11:28 AM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1 12/1.02

## Test Result

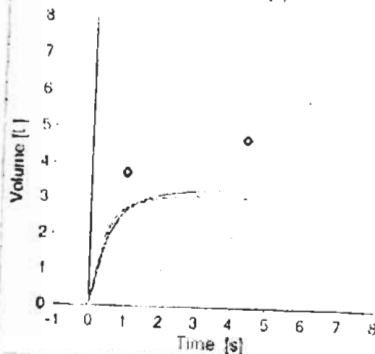
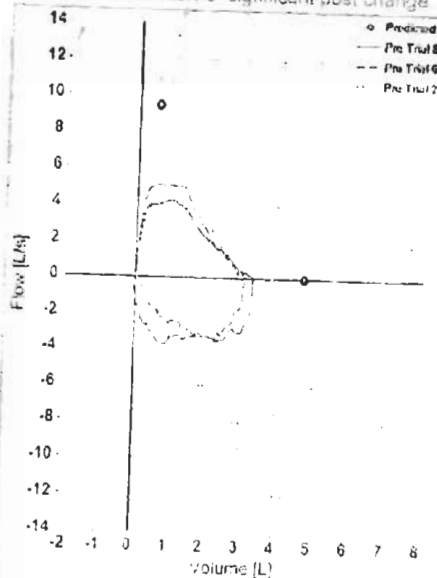
Your FEV1 / Predicted: 73%

Parameter	Pred	LLN	Pre	Best	Trial 8	Trial 6	Trial 2	%Pred
FVC [L]	4.72	3.87	3.30*	3.30*	3.11*	2.78*		70
FEV1 [L]	3.75	3.03	2.73*	2.66*	2.73*	2.75*		73
FEV1/FVC	0.791	0.695	0.833	0.806	0.877	0.988		105
FEF25-75% [L/s]	3.54	2.08	2.56	2.56	3.24	3.60		72
PEF [L/s]	9.42	7.30	5.07*	4.20*	5.07*	4.29*		54
FET [s]			4.0	4.0	3.1	1.2		-
FIVC [L]	4.72	3.87	3.37*	3.37*	2.83*	0.20*		71
PIF [L/s]			3.78	3.78	3.43	1.01		-
Session Quality	Pre							
System Interpretation	Pre							

C (FEV1 Var=0.02L (0.9%), FVC Var=0.19L (5.8%))

Restriction probable, further examination recommended

Indicates below LLN or significant post change



Last Reviewer 31/9/2021

(Patient Use)



addReportForced

Appointments

1800-309-0309 (Toll Free)

Emergencies

8811-888-888

Narayana Superspeciality Hospital

(A Unit of Narayana Hrudayalaya Limited) CIN: L5110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org

Patient Name	Jayanta Bharali	Requested By	TOPCEM
MRN	17550000208860	Procedure DateTime	2021-11-09 10:33:32
Age/Sex	33Y / Male	Hospital	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration.  
The mediastinum is central.  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour.  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION:** No significant abnormality.

*"Pankaj"*

**Dr. Pankaj Sarmah**  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2021-11-10 12:03:53

Page 1 of

**Narayana Superspeciality Hospital**

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org

(Patient Use)

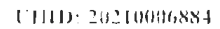


Appointments

**1800-309-0309** (Toll Free)

Emergencies

**8811-888-888**



REC'D NO: 108, TOKEN NO: 17

WED, THU, FRI, SAT

HR ID : 21010275005913761

### OUTPATIENT RECORD

ANGLI DER 8

5.4.4.4

454 3091040

1989-1990  $\Sigma_{i=1}^n \log \lambda_i = 10.2$  and  $\Sigma_{i=1}^n \log \mu_i = 11.1$

Page 10340

Sex : Male

4. ( ) 57411

## Discussion

Occupation:  OTHER

Prepared by, Mr. Sanjeeb Das

RAT- Negative (-ve)

Lab. Technician  
T.R.B. Kamrup Civil Hospital  
Dibrugarh, Assam

## Patient Information

Name: Deka, Mr. Dhanjit  
ID: 208861  
Age: 31  
Height: 174 cm  
Weight: 63 kg BMI: 20.8  
Gender: Male  
Ethnicity: Indian (+)

## Test Information

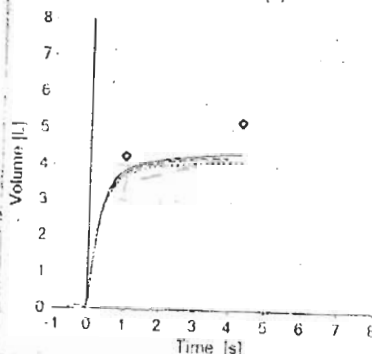
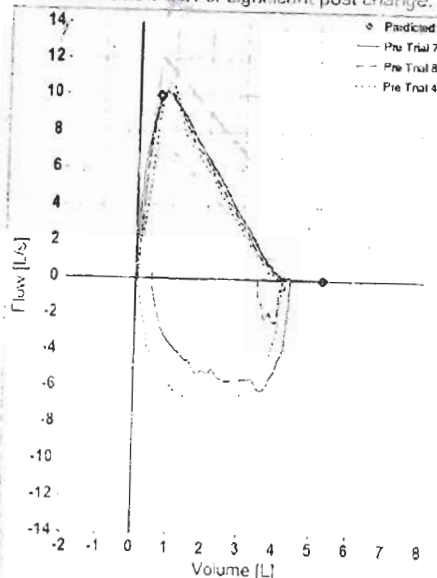
Test Type: Superspeciality Hospital  
Test Date: 11/09/2021 11:25:05 AM  
Post Time: Society Inspired by Shri Subhakar Jan Bafna  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

## Test Result

Your FEV1 / Predicted: 90%

Parameter	Pred	LLN	Best	Trial 7	Trial 8	Trial 4	%Pred
FVC [L]	5.21	4.32	4.34	4.34	4.23	4.17	83
FEV1 [L]	4.25	3.50	3.83	3.83	3.75	3.66	90
FEV1/FVC	0.816	0.719	0.882	0.882	0.887	0.886	108
FEF25-75% [L/s]	4.28	2.75	5.12	5.12	5.01	4.81	119
PEF [L/s]	9.92	7.70	10.66	10.14	10.23	10.66	107
FET [s]			4.3	4.3	3.8	4.4	
FIVC [L]	5.21	4.32	4.08*	3.88*	3.79*	4.08*	78
PIF [L/s]			6.88	6.14	2.39	6.88	
Session Quality	Pre	B (FEV1 Var=0.08L (2.0%), FVC Var=0.12L (2.7%))					
System Interpretation	Pre	Normal Spirometry					

Indicates below LLN or significant post change.



Last Reviewer: 3 11/9/2021

(Patient Use)

Narayana Superspeciality Hospital

(A Unit of Narayana Hrudayalaya Limited) CIN: L8511CKA2003PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



ddReportForced

Appointments

1800-309-0309 (Toll Free)

Emergencies

8811-888-888

Patient Name	Dhanjit Deka	Requested By	TOPCEM
MRN	17550000208861	Procedure DateTime	2021-11-09 10:43:27
Age/Sex	31Y / Male	Hospital	NH GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration.  
The mediastinum is central.  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour.  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION:** No significant abnormality.

*Pankaj*  
Dr. Pankaj Sarmah  
Consultant Radiologist

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Page 1 of 1

**Narayana Superspecialty Hospital**

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KAQ000PLC027487

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Arinigaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org

(Patient Use)



Appointments

**1800-309-0309** (Toll Free)

Emergencies

**8811-888-888**





UHD: 20210000585

Tolaram Rafna Kamrup District Civil Hospital  
Amingaon Silamakhaiti Guwahati

LABORATORY NO: 108, FOR N NO: 18

TEST NAME: COVID-19 ELISA

EHR ID: 21010240005943518

OUTPATIENT RECORD

Patient

Age

DOB: 10/11

DATE: 11/11/2021 AM

Fee: 1000

Sex: Male

STATUS

Email

ANNAI INDIA

Occupation: OTHER

Prepared by: Mr. Sameer Das

RAT Negative (-ve)

9/11/21

Lab. Technician  
T.R.B. Kamrup Civil Hospital  
Amingaon, Ghy-31

## Patient Information

Name: Bania, Mr. Bipul  
ID: 208862  
Age: 32  
Height: 177 cm  
Weight: 74 kg BMI: 23.6  
Gender: Male  
Ethnicity: Indian (+)

## Test Information

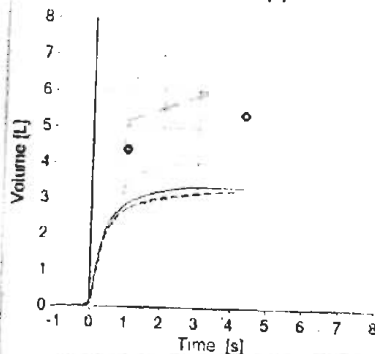
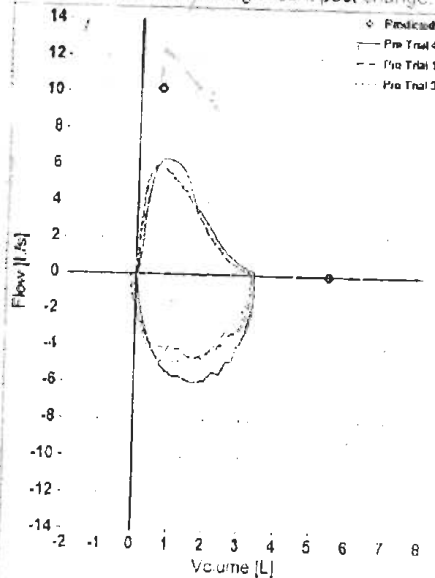
Test Type: Spirometry  
Test Date: 31/10/2021 11:36:52 AM  
Post Time: 11:36:52 AM  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

## Test Result

Your FEV1 / Predicted: 65%

Parameter	Pre	LLN	Best	Trial 4	Trial 1	Trial 3	%Pred
FVC [L]	5.39	4.47	3.35*	3.35*	3.25*	3.21*	62
FEV1 [L]	4.38	3.60	2.84*	2.84*	2.69*	2.65*	65
FEV1/FVC	0.814	0.717	0.848	0.848	0.828	0.838	104
FEF25-75% [L/s]	4.34	2.76	3.19	3.19	2.88	2.95	74
PEF [L/s]	10.19	7.89	6.35*	6.35*	5.99*	6.04*	62
FET [s]	-	-	3.7	3.7	4.2	3.6	-
FIVC [L]	5.39	4.47	3.41*	3.41*	3.41*	3.28*	63
PIF [L/s]	-	-	6.01	6.01	4.61	4.89	-
Session Quality	Pre		C (FEV1 Var=0.15L (5.4%); FVC Var=0.10L (3.1%))				
System Interpretation	Pre		Restriction probable; further examination recommended				

\* Indicates below LLN or significant post change.



Last Reviewer: 31/10/2021

(Patient Use)

**Narayana Superspeciality Hospital**

(A Unit of Narayana Hrudayalaya Limited) C/N: LB5110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



ddReportForced

Appointments

**1800-309-0309 (Toll Free)**

Emergencies

**8811-888-888**

Patient Name	Bipul Bania	Requested By	TOPCEM
MRN	17550000208862	Procedure DateTime	2021-11-09 10:43:19
Age/Sex	32Y / Male	Hospital	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Rest of the lung fields are well expanded and clear.

No active parenchymal lesion is seen

The cardiac silhouette is normal in size and configuration.

The mediastinum is central.

Both hila are normal in position, size, shape and density.

Both domes of the diaphragm are normal in position and contour.

**Right sided mild pleural effusion with basal collapse consolidation noted.**

Soft tissue and bony cages are unremarkable.

*Pankaj*

**Dr. Pankaj Sarmah**  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2021-11-10 12:06:01



UHD: 20210006886

**Isolaram Bafna Kamrup District Civil Hospital**  
Amingaon, Silamahakhaiti, Guwahati

BARCODE NO: 108, FOLDER NO: 19

WED 11/01/21

FHR ID: 21010269005943560

**OUTPATIENT RECORD**

NAME: DATMARA

Age: 21

Sex: Male

Address: N/A

Phone: 980000

Sex: Male

SO: SELF

Time: 10:00

Occupation: OTHER

Prepared by: Mr. Sanjeeb Das

RAT Negative Full

9/11/21

Lab. Technician  
I.P.B. Kamrup Civil Hospital  
Amingaon, Guwahati

## Patient Information

Name: Daimary, Mr. Pritam  
ID: 208835  
Age: 28  
Height: 173 cm  
Weight: 57 kg BMI: 19.0  
Gender: Male  
Ethnicity: Indian (+)

## Test Information

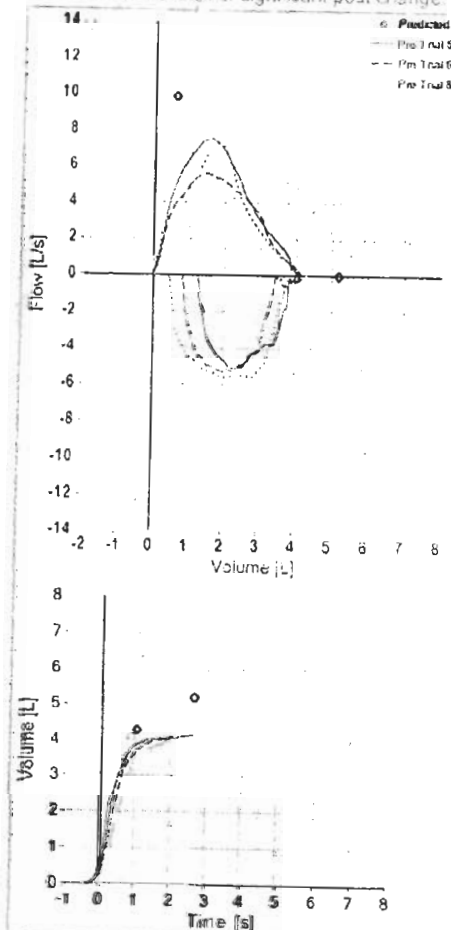
Test Type: Spirometry  
Test Date: 11/9/2021 11:31:27 AM  
Post Time: 11:31:27 AM  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

## Test Result

Your FEV1 / Predicted: 90%

Parameter	Pred	LLN	Best	Trial 5	Trial 6	Trial 8	%Pred
FVC [L]	5.19	4.31	4.14*	4.14*	4.08*	3.97*	80
FEV1 [L]	4.27	3.53	3.85	3.85	3.65	3.65	90
FEV1/FVC	0.822	0.726	0.932	0.932	0.895	0.920	113
FEF25-75% [L/s]	4.40	2.89	5.22	5.22	4.64	4.80	119
PEF [L/s]	9.82	7.63	7.52*	7.52*	6.56*	7.29*	77
FET [s]	-	-	2.6	2.6	2.0	1.6	-
FIVC [L]	5.19	4.31	3.53*	2.87*	3.10*	2.53*	68
PIF [L/s]	-	-	5.59	5.11	5.30	5.59	-
Session Quality	Pre		C (FEV1 Var=0.20L (5.2%); FVC Var=0.06L (1.4%))				
System Interpretation	Pre		Normal Spirometry				

\* Indicates below LLN or significant post change



Last Reviewer: 3 11/9/2021

nd of Medizintechnik AG  
Easy on-PC (1.7.5.4) (encl. PC-Sensor (2.0.0.0))  
SN 218122

(Patient Use)

## Narayana Superspeciality Hospital

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2005010327492

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560089

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org



mdReportForced

Appointments

1800-309-0309 (Toll Free)

Emergencies


8811-888-888

<b>Patient Name</b>	Pritam Daimary	<b>Requested By</b>	TOPCEM
<b>MRN</b>	17550000208865	<b>Procedure DateTime</b>	2021-11-09 10:43:10
<b>Age/Sex</b>	28Y / Male	<b>Hospital</b>	NH-GUWAHATI

**X-RAY CHEST PA VIEW**

Both lung fields are well expanded and clear.  
No active parenchymal lesion is seen.  
The cardiac silhouette is normal in size and configuration.  
The mediastinum is central.  
Both hila are normal in position, size, shape and density.  
Both domes of the diaphragm are normal in position and contour.  
Both costophrenic angles are clear.  
Soft tissue and bony cages are unremarkable.

**IMPRESSION:** No significant abnormality.

  
**Dr. Pankaj Sarmah**  
Consultant Radiologist

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Page 1 of 1

**Narayana Superspeciality Hospital**

(A Unit of Narayana Hrudyalaya Limited) CIN: L35110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Tolaram Bafna Medical Complex, Amingaon, Guwahati 781031, Assam

Email: guwahati@narayanahealth.org, www.narayanahealth.org

(Patient Use)



Appointments

**1800-309-0309 (Toll Free)**

Emergencies

**8811-888-888**

**Annexure-VII**

**Details of Environmental Protection Measure**



**Annexure- VII**
**1. Bag filter power consumption cost. (From April 21 to Sept.21)**

MOTOR TAG.	MOTOR RATING / KW	AVG. RUN HRS / DAY	RUNNING KW	KWH/ DAY	KWH / MONTH	AVG. UNIT RATE IN RUPESS	AMOUNT (Rs)
91 FN1	15	12	13	156	4680	6.21	29062.8
91 FN2	15	12	12	144	4320	6.21	26827.2
91 FN3	15	12	11	132	3960	6.21	24591.6
11 FN1	18.5	15	8.5	127.5	3825	6.21	23753.25
21 FN1	9.3	15	8.3	124.5	3735	6.21	23194.35



21FN2	15	15	11	165	4950	6.21	30739.5
31 FN1	22	15	16.45	246.75	7402.5	6.21	45969.525
31 FN2 / VVFD	22	16	14.3	228.8	6864	6.21	42625.44
51 FN5 / VVFD	30	16	14	224	6720	6.21	41731.2
61 FN4/ VVFD	110	16	10.8	172.8	5184	6.21	32192.64
91 FNF	9.3	12	7.3	87.6	2628	6.21	16319.88

*Scans*

91 FN J	9.3	12	6.5	78	2340	6.21	14531.4
91 FND	15	16	9.3	148.8	4464	6.21	27721.44
11 FN6	9.3	12	6.35	76.2	2286	6.21	14196.06
11 FNG	9.3	12	7.25	87	2610	6.21	16208.1
11 FNH	9.3	12	7.25	87	2610	6.21	16208.1
61 FN1	18.5	12	13	156	4680	6.21	29062.8
51 FN2 / VVFD	30	12	22	264	7920	6.21	49183.2



62 FN1	18.5	12	13	156	4680	6.21	29062.8
62 FN2/ VVFD	30	12	22	264	7920	6.21	49183.2
41 FN1	15	10	7.5	75	2250	6.21	13972.5
41 FN2 /VVFD	7.5	10	2.5	25	750	6.21	4657.5
BULKER LOADING WG FILTER	5.5	6	2	12	360	6.21	2235.6
	13.4	6	10	60	1800	6.21	11178
TOTAL KWH / MONTH					98938.5	6.21	614408.085
TOTAL KWH / YEAR					593631	6.21	3686448.51



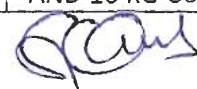
## 2. Environment PPE Costing (April'21- Sept'21)

Date	Particular	Unit	Amount in Rupees
April to September 2021	SAFTY SHOE	118PAA	116600.00
	COTTON HANDS GLOVES	1PAA	98.00
	HAND SANITIZER	8PC	7344.00
	UMBRELLA	129NO	27726.00
	FACE MASK	8450NO	31409.00
	NOSE MASK	275NO	3850.00
	MUSTARD OIL	141L	21030.00
	GUR	260Kg	13895.00
	SAFTY HELMET	14 NO	2515.00
			224,467.00

## 3. Water Spray costing Details

WATER TANKER NO 04			
VEHICLE NO ML04 9170			
WATER SPRAY COSTING DETAILS'			
Month	Year 21		
	Vehicle Running Hours	Diesel consumption	Diesel consumption per hrs
April	65.40	180.00	2.75
May	36.80	100.00	2.72
June	21.40	60.00	2.80
July	10.70	60.00	5.61
August	33.60	60.00	1.79
September	29.50	120.00	4.07
<b>Total :</b>	<b>197.40</b>	<b>580.00</b>	<b>19.73</b>

STP ANNUAL MAINTENANCE COST FOR April 21 to September 21								
SL NO	MATERIAL DETAILS	QTY / MONTH	PER YEAR	TOTAL	UOM	COST	TOTAL COST	REMARKS
1	ALUM (FITKARI)	20	20X6	120	KGS	21.24	2548.8	FOR 4 HOURS RUNNING PER DAY AND 10 KG USE IN FORTNIGHT
2	LIME	20	20X6	120	KGS	19.00	2280.00	FOR 4 HOURS RUNNING PER DAY AND 10 KG USE IN FORTNIGHT



<b>TOTAL COSTING</b>	<b>4828.80</b>
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ETP MAINTENANCE COST FOR April 21 to September 21								
SL NO	MATERIAL DETAILS	QTY / MONTH	PER 6 month	TOTAL	UOM	COST	TOTAL COST	REMARKS
1	ALUM (FITKARI)	16	16X6	96	KGS	21.24	2039.04	FOR 3 HOURS RUNNING PER DAY AND 8 KG USE IN FORTNIGHT
2	LIME	16	16X6	96	KGS	19.00	1824.00	FOR 3 HOURS RUNNING PER DAY AND 8 KG USE IN FORTNIGHT
<b>TOTAL COSTING</b>							<b>3863.04</b>	

*SCAUS*