

# **ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR PERIOD OF APRIL 2020 TO SEPTEMBER 2020**

## **Project Name**

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

**Submitted By**



**Prepared by**





**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR PERIOD OF APRIL 2020 TO SEPTEMBER 2020**

**PROJECT DETAILS**

**Name of ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT  
Publication FOR PERIOD OF APRIL 2020 TO SEPTEMBER 2020**

**CONTACT DETAILS**

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# **Environmental Clearance Compliance Report (April 2020 to September 2020)**

**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR  
THE PERIOD OF APRIL 2020 TO September 2020**

**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.

<b>A. Specific conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
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>)</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-I.</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-I.</b>
iii.	Gaseous emission levels including secondary fugitive	We are controlling fugitive emission from all the sources within the latest permissible limits

<b>A. Specific conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
	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	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</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 21 numbers of reverse pulse jet type bag filters system in whole plant to control the fugitive emission. Detail of the attached bags is attached as <b>Annexure-II</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>
v.	Asphalting/concreting of roads and water spray all around the stock-yard and	<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 nubmers of water</li> </ul>

<b>A. Specific conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
	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.	<p>Sprinklers around loading/unloading areas, internal roads and near plantation area. The Fugitive emission result on six locations (as mentioned in EIA/EMP report) and collection of PUC certificate data of vehicles entering within the plant are attached with this report as <b>Annexure-I and Annexure-III</b>.</p> <ul style="list-style-type: none"> <li>The Truck movement Area PM<sub>2.5</sub> Test result also included with PUC to monitor the dust concentration at various truck moving area.</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>
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 outside the factory premises and zero discharge shall be adopted.	<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 exceed 60 m<sup>3</sup>/day.</li> <li>Being a Zero Discharge unit no waste water is generated. Treated water (approx 15 m<sup>3</sup>/day) by recycle and reuse of the process water after primary use, is consume daily for dust suppression and green belt development and other plant related</li> </ul>

<b>A. Specific conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
		<p>activities etc. Sewage Treatment Plant has been constructed and treated waste water reused in gardening and dust suppression.</p> <ul style="list-style-type: none"> <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. The photos of rain water harvesting already submitted with previous Compliance report Oct 19 to Mar20.
ix.	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / reproprocessors only.	<ul style="list-style-type: none"> <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> <li>▪ ETP has also installed and operated near plant workshop.</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 March'2016.</p>
xi.	All the recommendations made in the Chapter on Corporate	All the CREP conditions for the Cement plants are implemented and followed.

<b>A. Specific conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
	Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented.	
xii.	Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Shillong, ASPCB and CPCB within 3 months of issue of Environment Clearance letter.	Already submitted to Ministry's Regional Office at Shillong, ASPCB and CPCB.  Revised Risk and Disaster Management Plan for M/s TOPCEM INDIA is already submitted with compliance report for period of April'17 to Sep'17.
xiii.	At least 5% of the total cost of the project should be earmarked towards the corporate social responsibility and item - wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program should be ensured accordingly in a time bound manner.	Item-wise details along with time bound action plan 2020-21 for period of April 2020 to September 2020 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-IV</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>B. General conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
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 2020-21 from the board under water Act-1974 and Air Act-1981 vide ASPCB letter no.: WB/GUW/T-1241/PT-I/12-13/257/1390 dated 15/02/2020.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Condition is being followed.  Prior approval of the Ministry of Environment and Forests will be taken for further expansion or modifications in the plant, if any.
iii.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Condition is being followed.  Monitoring reports are enclosed as <b>Annexure-I</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 -I</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>B. General conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
	prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	approx 15 KLD. 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. The latest Occupational health surveillance Report is attached as <b>Annexure- V</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 programmes, educational programmes, drinking water	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 already submitted with previous compliance.

<b>B. General conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
	supply and health care etc.	
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.	<p>The fund expenses for environment pollution control measures in FY 2020-21 for period of April 2020 to September 2020 as per EC granted by MOEF is attached here as <b>Annexure-VII</b>.</p> <p>Implementation schedule for implementing all conditions stipulated has already submitted to Regional Office of the Ministry of Environment and Forest at Shillong.</p>
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.	<p>No such suggestions/ representations from concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO were received while processing the proposal.</p> <p>The clearance letter is uploaded on our company website i.e www.topcem.in</p>
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, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral	<ul style="list-style-type: none"> <li>▪ 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&amp;CC, the respective Zonal Office of CPCB and the ASPCB.</li> <li>▪ We are displaying critical pollutants (ambient as well as stack emissions) near our Main gate of Plant.</li> </ul>

<b>B. General conditions:</b>		
<b>Sl.No.</b>	<b>Compliance Conditions</b>	<b>Compliance Status</b>
	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 Sep'2019 to March'20 is submitted vide letter no. TI/MEF/0A/19-20/06 in November 2020 at MOEF office Shillong, Letter no. TI/MEF/0A/19-20/07 in November 2020 at CPCB Zonal Office, and Letter no. TI/MEF/0A/19-20/08 in November 2020 at PCB, Assam.
xiv.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Shillong by e-mail.	The environmental statement for year ending March 2020 was submitted vide our letter No.TI/MEF/0A/20-21/01 dtd 16 <sup>th</sup> June 2020 to Pollution Control Board Assam and Regional Office of the MoEF Shillong.
xv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be	We have followed the condition as directed.

**B. General conditions:**

Sl.No.	Compliance Conditions	Compliance Status
	<p>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.</p>	
xvi.	<p>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.</p>	<p>We have followed the condition and informed to the Ministry's regional Office, Shillong.</p>
xvii.	<p>The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.</p>	<p>We are agreed with the condition and assure that we are implementing the condition.</p>
xviii.	<p>The Ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.</p>	<p>We are agreed with the condition and assure that we are implementing the condition.</p>
xix.	<p>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-1997.</p>	<p>We are agreed with the condition and assure that we are implementing the condition.</p>



**B. General conditions:**

Sl.No.	Compliance Conditions	Compliance Status
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 Transboundary 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.

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**ANNEXURE-I**

**MONITORING REPORTS OF AMBIENT AIR  
QUALITY, AMBIENT NOISE, STACK EMISSION  
AND FUGITIVE EMISSION, Yearly all  
Ambient parameter report of Topcem India-  
Nov'20**

Issued to :

M/s Topcem India  
Gauripur, North Guwahati  
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RECOGNISED BY MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE (MoEFCC), GOVERNMENT OF INDIA  
&  
NOTIFIED BY FOOD SAFETY STANDARDS AND AUTHORITY OF INDIA (FSSAI)

## TEST REPORT

Report Number	:	ABCTL/2020/11/AAQ/A1
Sample Drawn By	:	ABC Techno Labs India Private Limited
Sample Description	:	Ambient Air Quality Monitoring -Yearly
Location of Sampling	:	Near Workshop & Near Staff Quarter
Date of sampling	:	11-11-2020 to 12-11-2020
Date of Receipt	:	14-11-2020
Date of Analysis	:	19-11-2020
Date of Completion	:	20-11-2020
Report date	:	20-11-2020
Sampling Method	:	IS 5182 Part 5 & 14

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S. No.	Parameters	Results	Test Method	Standards*
1	Particulate Matter size less than 10- $\mu\text{m}$ ( $\text{PM}_{10}$ ), $\mu\text{g}/\text{m}^3$	64.4	IS 5182 : Part-23 : 2006 (RA:2017)	100
2	Particulate Matter size less than 2.5- $\mu\text{m}$ ( $\text{PM}_{2.5}$ ), $\mu\text{g}/\text{m}^3$	33.6	40 CFR Appendix L ( Part 50):2006	60
3	Sulphur Dioxide ( $\text{SO}_2$ ), $\mu\text{g}/\text{m}^3$	5.09	IS 5182 : Part 2 : 2001 (RA: 2017)	80
4	Nitrogen Dioxide ( $\text{NO}_2$ ), $\mu\text{g}/\text{m}^3$	9.43	IS 5182 : Part 6 : 2006 (RA: 2017)	80
5	Ozone ( $\text{O}_3$ ), $\mu\text{g}/\text{m}^3$	BDL(<10)	ABCTL/SOP/A/07 : Dt- 02-01-2015	100
6	Lead (Pb), $\mu\text{g}/\text{m}^3$	BDL (<0.1)	IS 5182 : Part 22 : 2004 (RA :2014)	1
7	Carbon Monoxide (CO), $\text{mg}/\text{m}^3$	BDL (<1)	IS 5182 : Part 10 : 1999 (RA 2014)	2
8	Ammonia ( $\text{NH}_3$ ), $\mu\text{g}/\text{m}^3$	BDL (<5)	ABCTL/SOP/A/05 : Dt- 02-01-2015	400
9	Benzene ( $\text{C}_6\text{H}_6$ ), $\mu\text{g}/\text{m}^3$	BDL (<0.01)	IS 5182 : Part 11 : 2006 (RA 2017)	5
10	Benzo (a) Pyrene - Particulate Phase only, $\text{ng}/\text{m}^3$	BDL (<0.1)	ABCTL/SOP/10 : Dt- 07-07-2017	1
11	Arsenic (As), $\text{ng}/\text{m}^3$	BDL (<1)	ABCTL/SOP/A/10 : Dt- 02-01-2015	6
12	Nickel (Ni), $\text{ng}/\text{m}^3$	BDL (<1)	ABCTL/SOP/A/12 : Dt- 02-01-2015	20

BDL- Below Detection Limit.

**Remarks:** Sampling for Ambient Air Quality testing was carried out in between workshop and Staff Quarter of M/s Topcem India at Gauripur, North Guwahati, Assam. Sampling was done using Fine Dust 2.5 Sampler and respirable dust sampler, to collect the field samples. The sampler was run for a period of 24 hours at the site and samples collected for PM 2.5, PM 10. Other pollutants were collected using suitable gaseous sampler and detector/analyzer. The collected samples were then analyzed as per standard methods, it can be seen that, ambient air quality results of above mentioned parameter are within CPCB permissible limit.

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



*[Signature]*  
20/11/2020  
A. Robson Chinnadurai  
Technical Manager

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

## TEST REPORT

Report number	:	ABCTL/2020/09/AAQ/A1-A4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Air Quality Monitoring
Date of sampling	:	23-09-2020 to 24-09-2020
Analysis commenced on	:	25-09-2020
Analysis Completed on	:	29-09-2020
Report date	:	30-09-2020

Page 1 of 1

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)	23-09-2020	Near highways & Truck parking	Clear	56.4	38.4	15.1	6.7
ii)		Near workshop & staff quarter		46.2	31.2	13.2	5.1
iii)	24-09-2020	Near Switch yard		47.8	30.4	15.1	6.4
iv)		Near Truck Tippler		62.4	36.1	15.0	7.9

Remarks:-All parameters are within the permissible limit.

### National Ambient Air Quality Standards:

Sl. No.	Pollutant	Method	Time Weighted Average	Concentration in Ambient Air	
				Industrial, Residential, Rural and other area	
1	Sulphur Dioxide SO <sub>2</sub> (µg/m <sup>3</sup> )	IS 5182 P 2	Annual	50	
			24 Hours		80
2	Nitrogen Dioxide (NO <sub>x</sub> ) (µg/m <sup>3</sup> )	IS 5182 P 6	Annual	40	
			24 Hours		80
3	Particulate Matter PM <sub>10</sub> (µg/m <sup>3</sup> )	IS 5182 P 23	Annual	60	
			24 Hours		100
4	Particulate Matter PM <sub>2.5</sub> (µg/m <sup>3</sup> )	EPA- 40 Appendix L To Part 50	Annual	40	
			24 Hours		60

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



J. Robson Chinnadurai  
25/09/20

A. Robson Chinnadurai  
Technical Manager

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

## TEST REPORT

Report number	:	ABCTL/2019/06/N/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	17-06-2020 & 18-06-2020
Report date	:	23-06-2020

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	66.4
N2	Near Workshop & Staff Quarter	65.1
N3	Near Packing Plant	70.7
N4	Near Cement Mill	71.5

Remarks: Noise level are carried out during day time.  
Method: IS: 9989-1981(Reaff: 2014)

### Ambient Noise Standard

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

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



A. Robson Chinnadurai  
Technical Manager

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## TEST REPORT

Report number	:	ABCTL/2020/08/N/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	18-08-2020 & 19-08-2020
Report date	:	24-08-2020

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	66.1
N2	Near Workshop & Staff Quarter	65.4
N3	Near Packing Plant	70.1
N4	Near Cement Mill	71.6

Remarks: Noise level are carried out during day time.  
Method: IS: 9989-1981(Reaff: 2014)

### Ambient Noise Standard

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

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



*(Signature)*  
24/08/2020

A. Robson Chinnadurai  
Technical Manager

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## TEST REPORT

Report number	:	ABCTL/2020/09/N/N1-N4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Ambient Noise Level Monitoring
Date of sampling	:	16-09-2020 & 17-09-2020
Report date	:	21-09-2020

Page 1 of 1

S. No.	Location /Source	Noise Level in Leq [dB(A)]
N1	Near Highway & Truck Parking	66.7
N2	Near Workshop & Staff Quarter	65.9
N3	Near Packing Plant	71.2
N4	Near Cement Mill	72.3

Remarks: Noise level are carried out during day time.

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

### Ambient Noise Standard

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

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



*A. Robson Chinnadurai*  
21/09/2020

A. Robson Chinnadurai  
Technical Manager

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## TEST REPORT

Report number	:	ABCTL/2020/05/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	20-05-2020
Report date	:	25-05-2020

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S.No	Stack Description	PM (mg/Nm <sup>3</sup> )	SO <sub>x</sub> (mg/Nm <sup>3</sup> )	NO <sub>x</sub> (mg/Nm <sup>3</sup> )
1	Stack attached to Cement Mill	15.7	Not Detected	Not Detected
	MoEF Standards	30	Not Specified	Not Specified

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser  
REMARKS: -Production capacity of the cement plant is 0.66 MTPA.  
Bag filter is attached to Cement mill.

....End of Report....



*A. Robson Chinnadurai*

A. Robson Chinnadurai  
Technical Manager

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## TEST REPORT

Report number	:	ABCTL/2020/07/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	15-07-2020
Report date	:	20-07-2020

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Page 1 of 1

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

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser  
REMARKS: -Production capacity of the cement plant is 0.66 MTPA.  
Bag filter is attached to Cement mill.

....End of Report....



A. Robson Chinnadurai  
Technical Manager

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## TEST REPORT

Report number	:	ABCTL/2020/09/STK/ S1
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	16-09-2020
Report date	:	21-09-2020

Page 1 of 1

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

Method: IS 11255 Part 1 (Reaff.2014) and Flue Gas Analyser  
REMARKS: -Production capacity of the cement plant is 0.66 MTPA.  
Bag filter is attached to Cement mill.

....End of Report....



*A. Robson Chinnadurai*  
21/09/20

A. Robson Chinnadurai  
Technical Manager



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## TEST REPORT

Report number	:	ABCTL/2020/05/DG/STK/ S1-S4
Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	20-05-2020 & 21-05-2020
Report date	:	25-05-2020

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm <sup>3</sup> )
20-05-2020	Stack attached to DG Set 1500 KVA - 1	46.1
20-05-2020	Stack attached to DG Set 1500 KVA - 2	47.0
21-05-2020	Stack attached to DG Set 1500 KVA - 3	46.4
21-05-2020	Stack attached to DG Set 1500 KVA - 4	47.2
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



A. Robson Chinnadurai  
Technical Manager

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Sample description	:	Source Emission Monitoring
Date of sampling	:	17-06-2020 & 18-06-2020
Report date	:	23-06-2020

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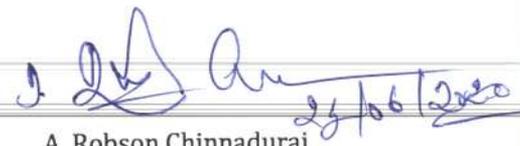
Date of Sampling	Stack Details	PM (mg/Nm <sup>3</sup> )
17-06-2020	Stack attached to DG Set 1500 KVA - 1	47.2
17-06-2020	Stack attached to DG Set 1500 KVA -2	46.6
18-06-2020	Stack attached to DG Set 1500 KVA -3	47.1
18-06-2020	Stack attached to DG Set 1500 KVA -4	46.0
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)

Note: All DG set with acoustic enclosure.

....End of Report....



  
23/06/2020

A. Robson Chinnadurai  
Technical Manager

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Sample drawn by	:	ABC Techno Labs India Private Limited
Sample description	:	Source Emission Monitoring
Date of sampling	:	16-09-2020 & 17-09-2020
Report date	:	21-09-2020

Page 1 of 1

Date of Sampling	Stack Details	PM (mg/Nm <sup>3</sup> )
16-09-2020	Stack attached to DG Set 1500 KVA - 1	47.4
16-09-2020	Stack attached to DG Set 1500 KVA -2	49.3
17-09-2020	Stack attached to DG Set 1500 KVA -3	50.4
17-09-2020	Stack attached to DG Set 1500 KVA -4	51.1
MoEF Standards		75

Method: IS 11255 Part 1 (Reaff.2014)  
Note: All DG set with acoustic enclosure.

....End of Report....



*A. Robson Chinnadurai*  
21/09/2020

A. Robson Chinnadurai  
Technical Manager

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## **ANNEXURE-II DETAILS OF BAGFILTERS**

Annexure- II

**TOPCEM INDIA**

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

**BAG FILTER DETAIL**

Sl No	Details	
1	BAG FILTER LOCATION	TRUCK TRIPPLER
	BAG FILTE 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 FILTE 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 FILTE 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 FILTE 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 FILTE CODE	K21 BF1
	BAG LENGTH	3660 MM.
	BAG DIA	160Ø

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

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

17	<b>BAG FILTER LOCATION</b>	PACKER DEDUSTING
	<b>BAG FILTE CODE</b>	<b>661 BF2</b>
	<b>BAG LENGTH</b>	3660 MM.
	<b>BAG DIA</b>	160Ø
	<b>TOTAL NO OF BAGS</b>	144 NOS.
	<b>FLOW CAPACITY</b>	20000 (AM <sup>3</sup> /HR)
	<b>NO OF CHAMBER</b>	4 NOS
18	<b>BAG FILTER LOCATION</b>	PACKER DEDUSTING
	<b>BAG FILTE CODE</b>	<b>662 BF1</b>
	<b>BAG LENGTH</b>	3660 MM.
	<b>BAG DIA</b>	160Ø
	<b>TOTAL NO OF BAGS</b>	96 NOS.
	<b>FLOW CAPACITY</b>	12000 (AM <sup>3</sup> /HR)
	<b>NO OF CHAMBER</b>	3 NOS
19	<b>BAG FILTER LOCATION</b>	PACKER DEDUSTING
	<b>BAG FILTE CODE</b>	<b>662 BF2</b>
	<b>BAG LENGTH</b>	3660 MM.
	<b>BAG DIA</b>	160Ø
	<b>TOTAL NO OF BAGS</b>	144 NOS.
	<b>FLOW CAPACITY</b>	20000 (AM <sup>3</sup> /HR)
	<b>NO OF CHAMBER</b>	4 NOS
20	<b>BAG FILTER LOCATION</b>	SFM BIN DEDUSTING
	<b>BAG FILTE CODE</b>	541BF2
	<b>BAG LENGTH</b>	1000MM
	<b>BAG DIA</b>	160Ø
	<b>TOTAL NO OF BAGS</b>	16 NOS
	<b>FLOW CAPACITY</b>	250 (AM <sup>3</sup> /HR)
	<b>NO OF CHAMBER</b>	1 NO
21	<b>BAG FILTER LOCATION</b>	FLYASH SILO DEDUSTING
	<b>BAG FILTE CODE</b>	<b>541BF1</b>
	<b>BAG LENGTH</b>	3660 MM.
	<b>BAG DIA</b>	160Ø
	<b>TOTAL NO OF BAGS</b>	60 NOS
	<b>FLOW CAPACITY</b>	7500 (AM <sup>3</sup> /HR)
	<b>NO OF CHAMBER</b>	2 NOS

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

M/S TOPCEM INDIA							
PUC VEHICLE MOVEMENT WITHIN PLANT DATA							In house testing of PM2.5 at Truck movement area µgm/m3
MONTH	DATE	NOS. OF VEHICLES	VEHICLE NO	PUC DATA			
				CO%	HC(ppm)	SD(HSU)	
Apr-20	1-Apr-20	Nil(Due to Lockdown no Vehicle Movement Observed.	-	-	-	-	
	1-Apr-20		-	-	-	-	
	1-Apr-20		-	-	-	-	
	1-Apr-20		-	-	-	-	
	1-Apr-20		-	-	-	-	
	2-Apr-20		-	-	-	-	
	2-Apr-20		-	-	-	-	
	2-Apr-20		-	-	-	-	
	2-Apr-20		-	-	-	-	
	3-Apr-20		-	-	-	-	
	3-Apr-20		-	-	-	-	
	3-Apr-20		-	-	-	-	
	4-Apr-20		-	-	-	-	
	4-Apr-20		-	-	-	-	
	4-Apr-20		-	-	-	-	
	4-Apr-20		-	-	-	-	
	5-Apr-20		-	-	-	-	
	5-Apr-20		-	-	-	-	
	5-Apr-20		-	-	-	-	
	5-Apr-20		-	-	-	-	
	6-Apr-20		-	-	-	-	
	6-Apr-20		-	-	-	-	
	6-Apr-20		-	-	-	-	
	6-Apr-20		-	-	-	-	
	6-Apr-20		-	-	-	-	
	7-Apr-20		-	-	-	-	
	7-Apr-20		-	-	-	-	
	7-Apr-20		-	-	-	-	
	7-Apr-20		-	-	-	-	
	8-Apr-20		-	-	-	-	
8-Apr-20	-	-	-	-			
8-Apr-20	-	-	-	-			
9-Apr-20	-	-	-	-			

M/S TOPCEM INDIA							
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)	
	9-Apr-20		-	-	-	-	
	9-Apr-20		-	-	-	-	
	10-Apr-20		-	-	-	-	
	10-Apr-20		-	-	-	-	
	10-Apr-20		-	-	-	-	
	10-Apr-20		-	-	-	-	
	11-Apr-20		-	-	-	-	
	11-Apr-20		-	-	-	-	
	11-Apr-20		-	-	-	-	
	11-Apr-20		-	-	-	-	
	11-Apr-20		-	-	-	-	
	12-Apr-20		-	-	-	-	
	12-Apr-20		-	-	-	-	
	12-Apr-20		-	-	-	-	
	12-Apr-20		-	-	-	-	
	13-Apr-20		-	-	-	-	
	13-Apr-20		-	-	-	-	
	14-Apr-20		-	-	-	-	
	14-Apr-20		-	-	-	-	
	14-Apr-20		-	-	-	-	
	14-Apr-20		-	-	-	-	
	14-Apr-20		-	-	-	-	
	14-Apr-20		-	-	-	-	
	15-Apr-20		-	-	-	-	
	15-Apr-20		-	-	-	-	
	15-Apr-20		-	-	-	-	
	15-Apr-20		-	-	-	-	
	16-Apr-20		-	-	-	-	
	16-Apr-20		-	-	-	-	
	16-Apr-20		-	-	-	-	
	17-Apr-20		-	-	-	-	
	17-Apr-20		-	-	-	-	
	17-Apr-20		-	-	-	-	
	17-Apr-20		-	-	-	-	
	18-Apr-20		-	-	-	-	
	18-Apr-20		-	-	-	-	



**ENVIRONMENTAL CLEARANCE (EC) COMPLIANCE STATEMENT FOR PERIOD OF APRIL 2020 TO SEPTEMBER 2020**

M/S TOPCEM INDIA							
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)	
	18-Apr-20		-	-	-	-	
	18-Apr-20		-	-	-	-	
	19-Apr-20		-	-	-	-	
	19-Apr-20		-	-	-	-	
	19-Apr-20		-	-	-	-	
	19-Apr-20		-	-	-	-	
	20-Apr-20		-	-	-	-	
	20-Apr-20		-	-	-	-	
	20-Apr-20		-	-	-	-	
	21-Apr-20		-	-	-	-	
	21-Apr-20		-	-	-	-	
	21-Apr-20		-	-	-	-	
	21-Apr-20		-	-	-	-	
	22-Apr-20		-	-	-	-	
	22-Apr-20		-	-	-	-	
	22-Apr-20		-	-	-	-	
	22-Apr-20		-	-	-	-	
	22-Apr-20		-	-	-	-	
	23-Apr-20		-	-	-	-	
	23-Apr-20		-	-	-	-	
	23-Apr-20		-	-	-	-	
	23-Apr-20		-	-	-	-	
	24-Apr-20		-	-	-	-	
	24-Apr-20		-	-	-	-	
	24-Apr-20		-	-	-	-	
	24-Apr-20		-	-	-	-	
	25-Apr-20		-	-	-	-	
	25-Apr-20		-	-	-	-	
	26-Apr-20		-	-	-	-	
	26-Apr-20		-	-	-	-	
	26-Apr-20		-	-	-	-	
	27-Apr-20		-	-	-	-	
	27-Apr-20		-	-	-	-	
	27-Apr-20		-	-	-	-	
	27-Apr-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	28-Apr-20		-	-	-	-	
	28-Apr-20		-	-	-	-	
	28-Apr-20		-	-	-	-	
	28-Apr-20		-	-	-	-	
	28-Apr-20		-	-	-	-	
	29-Apr-20		-	-	-	-	
	29-Apr-20		-	-	-	-	
	29-Apr-20		-	-	-	-	
	29-Apr-20		-	-	-	-	
	30-Apr-20		-	-	-	-	
	30-Apr-20		-	-	-	-	
	30-Apr-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
May-20	1-May-20	Nil(Due to Lockdown no Vehicle Movement Observed.	-	-	-	-	
	1-May-20		-	-	-	-	
	1-May-20		-	-	-	-	
	1-May-20		-	-	-	-	
	2-May-20		-	-	-	-	
	2-May-20		-	-	-	-	
	2-May-20		-	-	-	-	
	2-May-20		-	-	-	-	
	3-May-20		-	-	-	-	
	3-May-20		-	-	-	-	
	3-May-20		-	-	-	-	
	4-May-20		-	-	-	-	
	4-May-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	4-May-20		-	-	-	-	
	4-May-20		-	-	-	-	
	5-May-20		-	-	-	-	
	5-May-20		-	-	-	-	
	5-May-20		-	-	-	-	
	5-May-20		-	-	-	-	
	5-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	6-May-20		-	-	-	-	
	7-May-20		-	-	-	-	
	7-May-20		-	-	-	-	
	7-May-20		-	-	-	-	
	7-May-20		-	-	-	-	
	8-May-20		-	-	-	-	
	8-May-20		-	-	-	-	
	8-May-20		-	-	-	-	
	8-May-20		-	-	-	-	
	9-May-20		-	-	-	-	
	9-May-20		-	-	-	-	
	9-May-20		-	-	-	-	
	9-May-20		-	-	-	-	
	10-May-20		-	-	-	-	
	10-May-20		-	-	-	-	
	10-May-20		-	-	-	-	
	10-May-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	10-May-20		-	-	-	-	
	11-May-20		-	-	-	-	
	11-May-20		-	-	-	-	
	11-May-20		-	-	-	-	
	11-May-20		-	-	-	-	
	12-May-20		-	-	-	-	
	12-May-20		-	-	-	-	
	12-May-20		-	-	-	-	
	12-May-20		-	-	-	-	
	13-May-20		-	-	-	-	
	13-May-20		-	-	-	-	
	13-May-20		-	-	-	-	
	13-May-20		-	-	-	-	
	13-May-20		-	-	-	-	
	14-May-20		-	-	-	-	
	14-May-20		-	-	-	-	
	14-May-20		-	-	-	-	
	14-May-20		-	-	-	-	
	15-May-20		-	-	-	-	
	15-May-20		-	-	-	-	
	15-May-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	15-May-20		-	-	-	-	
	16-May-20		-	-	-	-	
	16-May-20		-	-	-	-	
	16-May-20		-	-	-	-	
	16-May-20		-	-	-	-	
	17-May-20		-	-	-	-	
	17-May-20		-	-	-	-	
	17-May-20		-	-	-	-	
	17-May-20		-	-	-	-	
	17-May-20		-	-	-	-	
	18-May-20		-	-	-	-	
	18-May-20		-	-	-	-	
	18-May-20		-	-	-	-	
	18-May-20		-	-	-	-	
	19-May-20		-	-	-	-	
	19-May-20		-	-	-	-	
	19-May-20		-	-	-	-	
	20-May-20		-	-	-	-	
	20-May-20		-	-	-	-	
	20-May-20		-	-	-	-	
	20-May-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	21-May-20		-	-	-	-	
	21-May-20		-	-	-	-	
	21-May-20		-	-	-	-	
	21-May-20		-	-	-	-	
	21-May-20		-	-	-	-	
	22-May-20		-	-	-	-	
	22-May-20		-	-	-	-	
	22-May-20		-	-	-	-	
	22-May-20		-	-	-	-	
	23-May-20		-	-	-	-	
	23-May-20		-	-	-	-	
	23-May-20		-	-	-	-	
	23-May-20		-	-	-	-	
	24-May-20		-	-	-	-	
	24-May-20		-	-	-	-	
	24-May-20		-	-	-	-	
	24-May-20		-	-	-	-	
	25-May-20		-	-	-	-	
	25-May-20		-	-	-	-	
	25-May-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	25-May-20		-	-	-	-	
	26-May-20		-	-	-	-	
	26-May-20		-	-	-	-	
	26-May-20		-	-	-	-	
	26-May-20		-	-	-	-	
	26-May-20		-	-	-	-	
	26-May-20		-	-	-	-	
	27-May-20		-	-	-	-	
	27-May-20		-	-	-	-	
	27-May-20		-	-	-	-	
	27-May-20		-	-	-	-	
	27-May-20		-	-	-	-	
	27-May-20		-	-	-	-	
	28-May-20		-	-	-	-	
	28-May-20		-	-	-	-	
	28-May-20		-	-	-	-	
	28-May-20		-	-	-	-	
	28-May-20		-	-	-	-	
	29-May-20		-	-	-	-	
	29-May-20		-	-	-	-	
	29-May-20		-	-	-	-	
	29-May-20		-	-	-	-	
	30-May-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	30-May-20		-	-	-	-	
	30-May-20		-	-	-	-	
	30-May-20		-	-	-	-	
	31-May-20		-	-	-	-	
	31-May-20		-	-	-	-	
	31-May-20		-	-	-	-	
	31-May-20		-	-	-	-	
	31-May-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
Jun-20	1-Jun-20	Nil(Due to Lockdown no Vehicle Movement Observed.	-	-	-	-	27.45
	1-Jun-20		-	-	-	-	
	1-Jun-20		-	-	-	-	
	1-Jun-20		-	-	-	-	
	2-Jun-20		-	-	-	-	
	2-Jun-20		-	-	-	-	
	2-Jun-20		-	-	-	-	
	2-Jun-20		-	-	-	-	
	3-Jun-20		-	-	-	-	
	3-Jun-20		-	-	-	-	
	3-Jun-20		-	-	-	-	
	3-Jun-20		-	-	-	-	

M/S TOPCEM INDIA							
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)	
	3-Jun-20		-	-	-	-	28.56
	4-Jun-20		-	-	-	-	
	4-Jun-20		-	-	-	-	
	4-Jun-20		-	-	-	-	
	4-Jun-20		-	-	-	-	
	5-Jun-20		-	-	-	-	
	5-Jun-20		-	-	-	-	
	5-Jun-20		-	-	-	-	
	5-Jun-20		-	-	-	-	
	5-Jun-20		-	-	-	-	
	6-Jun-20		-	-	-	-	
	6-Jun-20	5	AS-01AC-7071	-	-	55.10	
	6-Jun-20		RJ18GA-2905	-	-	34.20	
	6-Jun-20		AS01GC-9009	-	-	27.80	
	6-Jun-20		AS01EC-2197	-	-	40.60	
	6-Jun-20		AS-01CC-4061	-	-	48.80	
	7-Jun-20	4	AS01DC-9723	-	-	38.90	
	7-Jun-20		AS01DC-9345	-	-	38.60	
	7-Jun-20		AS01BC-7588	-	-	41.20	
	7-Jun-20		AS-01EC-2197	-	-	39.60	
	8-Jun-20	4	AS-01FC-7312	-	-	37.60	
	8-Jun-20		AS01GC-6651	-	-	42.30	
	8-Jun-20		AS-01EC-6272	-	-	26.20	
	8-Jun-20		AS-01DD-5213	-	-	52.20	
	9-Jun-20	4	AS0-1BC-6598	-	-	53.40	
	9-Jun-20		NL-01L-0365	-	-	26.20	
	9-Jun-20		AS01BC-2781	-	-	42.10	
	9-Jun-20		NL-01Q-8581	-	-	45.70	
	10-Jun-20	4	AS-25CC-3200	-	-	36.90	
	10-Jun-20		AS-01GC-6392	-	-	51.80	
	10-Jun-20		AS01FC-0129	-	-	49.20	

M/S TOPCEM INDIA							
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)	
	10-Jun-20		AS01FC-9437	-	-	48.10	
	11-Jun-20	5	AS-01AC-2395	-	-	38.90	
	11-Jun-20		AS01DC-9309	-	-	15.90	
	11-Jun-20		AP-16TJ-0186	-	-	36.30	
	11-Jun-20		AS01EC-2197	-	-	41.20	
	11-Jun-20		RJ18GA-2905	-	-	22.60	
	12-Jun-20	4	AS01CC-8496	-	-	29.40	
	12-Jun-20		AS-01CC-7667	-	-	32.40	
	12-Jun-20		UP32DN-4494	-	-	41.10	
	12-Jun-20		AS-01EC-0135	-	-	26.80	
	13-Jun-20	5	AS01CC-8496	-	-	27.10	
	13-Jun-20		AS-01DC-9732			30.10	
	13-Jun-20		AS-01CC-7667			23.60	
	13-Jun-20		AS-01FC-5275			42.10	
	13-Jun-20		NL-01K-1761	-	-	56.10	
	14-Jun-20	5	AS-01AC-7071	-	-	59.10	
	14-Jun-20		TR-01K-1728	-	-	28.10	
	14-Jun-20		AS-01GC-8855	-	-	16.40	
	14-Jun-20		TR01AB-1622	-	-	28.11	
	14-Jun-20		AS01CC-8579	-	-	42.10	

M/S TOPCEM INDIA							
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)	
	15-Jun-20	4	AS-01EC-9476	-	-	56.00	29.11
	15-Jun-20		AS-01FC-6225	-	-	32.00	
	15-Jun-20		AS-01FC-7429	-	-	16.10	
	15-Jun-20		AP28TE-6224	-	-	28.00	
	16-Jun-20	4	AS-01DD-0747	-	-	19.80	
	16-Jun-20		AS-01EC-2678	-	-	40.60	
	16-Jun-20		AS-01EC-9417	-	-	48.80	
	16-Jun-20		AS01BC-1055	-	-	38.90	
	17-Jun-20	4	AS01DC-0789	-	-	38.60	
	17-Jun-20		AS-01DD-2557	-	-	41.20	
	17-Jun-20		AS01CC-4259	-	-	39.60	
	17-Jun-20		AS-01C-3151	-	-	33.30	
	18-Jun-20	4	AS-01EC-0657	-	-	27.10	
	18-Jun-20		NL02N-0433	-	-	56.20	
	18-Jun-20		NL01K-7665	-	-	32.60	
	18-Jun-20		AS-01AC-0911	-	-	26.10	
	19-Jun-20	4	AS01CC-2590	-	-	28.10	
	19-Jun-20		AS-01FC-6961	-	-	27.10	
	19-Jun-20		NL01K-8714	-	-	44.10	
	19-Jun-20		AS01DD-2058	-	-	56.10	

M/S TOPCEM INDIA							
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)	
	20-Jun-20	5	AS-01DD-9886	-	-	60.80	28.34
	20-Jun-20		AS01AC-5159			61.40	
	20-Jun-20		AS-01AC-7021			15.40	
	20-Jun-20		AS01BC-2351	-	-	28.10	
	20-Jun-20		AS-01BC-4537	-	-	36.10	
	21-Jun-20	4	AS01DD-1335	-	-	46.10	
	21-Jun-20		AS-01DD-2155	-	-	56.10	
	21-Jun-20		AS-01FC-9731	-	-	28.10	
	21-Jun-20		AS-01BC-2351	-	-	29.30	
	22-Jun-20	5	AS-01EC-0373	-	-	30.40	
	22-Jun-20		AS01FC-0129	-	-	29.10	
	22-Jun-20		AS-01DC-9791	-	-	33.40	
	22-Jun-20		AS-25CC-3200	-	-	50.10	
	22-Jun-20		NL-01Q-8581	-	-	22.70	
	23-Jun-20	4	AS01AC-9441	-	-	47.10	
	23-Jun-20		AS01BC-2781	-	-	29.10	
	23-Jun-20		AS-01GC-0155	-	-	30.10	
	23-Jun-20		NL-01L-0365	-	-	28.10	
	24-Jun-20	4	AS-01AC-8113	-	-	16.60	
	24-Jun-20		AS-01DC-1525	-	-	28.10	

M/S TOPCEM INDIA							
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)	
	24-Jun-20		AS-01DD-5213	-	-	26.40	
	24-Jun-20		AS-01FC-9906	-	-	28.40	
	25-Jun-20	4	AS-01EC-9286	-	-	61.70	
	25-Jun-20		AP16TH-7677	-	-	23.40	
	25-Jun-20		AS01DD-9576	-	-	17.40	
	25-Jun-20		AS01FC-1677	-	-	33.80	
	26-Jun-20	4	AS01BC-7588	-	-	34.90	
	26-Jun-20		AS01DC-9345	-	-	22.40	
	26-Jun-20		AS01DC-9309	-	-	45.10	
	26-Jun-20		AS01DC-9723	-	-	33.40	
	27-Jun-20	5	AP-16TJ-0186	-	-	38.10	
	27-Jun-20		AS01CC-4911	-	-	40.10	
	27-Jun-20		AS01GC-5244	-	-	36.10	
	27-Jun-20		NL01D-3840	-	-	34.40	
	27-Jun-20		AP-07TJ-0369	-	-	38.70	
	28-Jun-20	5	AS01CC-8496	-	-	42.40	
	28-Jun-20		AS-01DC-9732	-	-	46.10	
	28-Jun-20		AS01DD-1278	-	-	45.10	
	28-Jun-20		NL-01K-1761	-	-	46.80	
	28-Jun-20		UP32DN-4494	-	-	28.10	

M/S TOPCEM INDIA							
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)	
	29-Jun-20	4	AS-01DD-2058	-	-	27.10	26.45
	29-Jun-20		TR-01K-1728	-	-	19.50	
	29-Jun-20		AS-01GC-8855	-	-	45.80	
	29-Jun-20		TR01AB-1622	-	-	52.10	
	30-Jun-20	4	AS01CC-8579	-	-	53.90	
	30-Jun-20		AS-01EC-9476	-	-	59.10	
	30-Jun-20		AS-01FC-7035	-	-	28.10	
	30-Jun-20		AP28TE-6224	-	-	27.10	

M/S TOPCEM INDIA							
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-20	1-Jul-20	5	AS-25B-4033	-	-	61.17	26.45
	1-Jul-20		AS-01BC-2351	-	-	40.70	
	1-Jul-20		AS01FC-0129	-	-	30.20	
	1-Jul-20		AS-01DC-9791	-	-	30.20	
	1-Jul-20		AS-01DD-3086	-	-	56.70	
	2-Jul-20	5	AS-01HC-1683	-	-	30.20	
	2-Jul-20		AS-25CC-3200	-	-	62.70	
	2-Jul-20		NL-01Q-8581	-	-	53.20	

M/S TOPCEM INDIA							
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)	
	2-Jul-20		AS-01AC-6411	-	-	13.50	
	2-Jul-20		AS01AC-9441	-	-	13.40	
	3-Jul-20	4	AS01BC-2781	-	-	22.60	
	3-Jul-20		AS-01GC-0155	-	-	33.40	
	3-Jul-20		PB-65X-7514	-	-	45.20	
	3-Jul-20		AS-01AC-8113	-	-	65.10	
	4-Jul-20	5	AS-01DD-5213	-	-	55.10	
	4-Jul-20		AS-01DD-5535	-	-	51.86	
	4-Jul-20		AS-01EC-6272	-	-	22.66	
	4-Jul-20		AS-01GC-5842	-	-	15.70	
	4-Jul-20		AS-01DD-5271	-	-	53.20	
	5-Jul-20	4	AP-16TG-0877	-	-	47.53	
	5-Jul-20		AS01DC-6357	-	-	47.53	
	5-Jul-20		AS-01EC-2197	-	-	29.87	
	5-Jul-20		AS01BC-7588	-	-	23.40	
	6-Jul-20	5	AS01DC-9309	-	-	44.28	
	6-Jul-20		AS01DC-9437	-	-	61.17	
	6-Jul-20		AP-16TJ-0186	-	-	61.12	
	6-Jul-20		AS-01CC-4331	-	-	61.17	
	6-Jul-20		AS01GC-5244	-	-	40.70	
	7-Jul-20	4	RJ18GA-2905	-	-	30.20	
	7-Jul-20		AS-01AC-7071	-	-	30.20	
	7-Jul-20		AS01DC-0789	-	-	56.70	
	7-Jul-20		AS-01CC-7667	-	-	30.20	
	8-Jul-20	4	AS-01FC-5275	-	-	47.53	27.32
	8-Jul-20		UP32DN-4494	-	-	47.53	
	8-Jul-20		AS-01DD-2058	-	-	13.50	

M/S TOPCEM INDIA							
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)	
	8-Jul-20		AS-01EC-0135	-	-	38.20	
	9-Jul-20	4	AS-25B-4033	-	-	30.00	
	9-Jul-20		AS-01CC-1941	-	-	61.17	
	9-Jul-20		AS-01DD-7187	-	-	57.68	
	9-Jul-20		AS-01FC-7035	-	-	49.50	
	10-Jul-20		4	AP28TE-6225	-	-	52.10
	10-Jul-20	AS-01EC-2678		-	-	57.68	
	10-Jul-20	AS-01EC-9417		-	-	11.06	
	10-Jul-20	AS-01CC-2335		-	-	38.20	
	11-Jul-20	5	AS-01DD-1299	-	-	21.30	
	11-Jul-20		AS-01BC-0799	-	-	47.53	
	11-Jul-20		AS-01CC-7239	-	-	35.85	
	11-Jul-20		AS-01C-3151	-	-	38.20	
	11-Jul-20		AS01CC-2590	-	-	33.25	
	12-Jul-20	4	NL01K-7665	-	-	49.50	
	12-Jul-20		AS-01AC-0911	-	-	54.80	
	12-Jul-20		AS01CC-2590	-	-	47.53	
	12-Jul-20		AS-01GC-8485	-	-	55.82	
	13-Jul-20	4	AS-01AC-8642	-	-	15.60	
	13-Jul-20		AS01DD-2058	-	-	47.53	
	13-Jul-20		AS-01DD-9886	-	-	30.20	
	13-Jul-		AS01AC-5159	-	-	42.82	

M/S TOPCEM INDIA							
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)	
	20						
	14-Jul-20	5	AS01BC-2351	-	-	23.40	27.72
	14-Jul-20		AS01DD-1335	-	-	4.50	
	14-Jul-20		AS-01FC-9731	-	-	47.53	
	14-Jul-20		AS-01BC-2351	-	-	30.00	
	14-Jul-20		AS01EC-7849	-	-	24.60	
	15-Jul-20	4	AS-01EC-0373	-	-	43.80	
	15-Jul-20		AS-01DC-9791	-	-	30.20	
	15-Jul-20		AS-01DD-3086	-	-	61.17	
	15-Jul-20		AS-01GC-6392	-	-	61.17	
	16-Jul-20	4	AS-25CC-3200	-	-	42.82	
	16-Jul-20		NL-01Q-4612	-	-	61.17	
	16-Jul-20		AS01DC-7709	-	-	49.50	
	16-Jul-20		AS01BC-1099	-	-	52.10	
	17-Jul-20	4	AS01DC-4326	-	-	57.68	
	17-Jul-20		PB-65X-7514	-	-	11.06	
	17-Jul-20		AS-01AC-8113	-	-	38.20	
	17-Jul-20		AS-01DD-5213	-	-	21.30	
	18-Jul-20	4	AS-01EC-0659	-	-	47.53	
	18-Jul-20		AS-01FC-9906	-	-	35.85	
	18-Jul-		AS01GC-6651	-	-	15.70	

M/S TOPCEM INDIA							
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)	
	20						
	18-Jul-20		AS-01DD-5271	-	-	30.20	
	19-Jul-20	4	AS-01FC-7312	-	-	30.20	
	19-Jul-20		AS01BC-0055	-	-	42.82	
	19-Jul-20		AS01DC-6357	-	-	26.86	
	19-Jul-20		AS01DD-9576	-	-	30.20	
	20-Jul-20	4	AS01EC-0703	-	-	61.80	
	20-Jul-20		AS-01EC-2197	-	-	61.17	
	20-Jul-20		AS01FC-1677	-	-	21.30	
	20-Jul-20		AS-01AC-2395	-	-	42.82	
	21-Jul-20	4	AS01BC-7588	-	-	45.90	
	21-Jul-20		AS01BC-7588	-	-	17.00	
	21-Jul-20		AS01DC-9632	-	-	62.70	
	21-Jul-20		AS01DC-9309	-	-	31.00	
	22-Jul-20	5	AS01DC-9345	-	-	53.20	28.64
	22-Jul-20		AS01DC-9437	-	-	30.20	
	22-Jul-20		AS01DC-9723	-	-	61.80	
	22-Jul-20		AS01DC-9737	-	-	38.20	
	22-Jul-20		AP-16TJ-0186	-	-	3.50	
	23-Jul-20	4	AS-01CC-4061	-	-	61.17	
	23-Jul-		AS-01CC-4331	-	-	30.20	

M/S TOPCEM INDIA							
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)	
	20						
	23-Jul-20		AS01CC-4911	-	-	47.53	
	23-Jul-20		AS01EC-2197	-	-	30.20	
	24-Jul-20	4	AS01GC-5244	-	-	30.20	
	24-Jul-20		AS01GC-9009	-	-	45.80	
	24-Jul-20		AS-01CC-7239	-	-	47.20	
	24-Jul-20		AS-01AC-0260	-	-	49.50	
	25-Jul-20	4	AS-01C-3151	-	-	23.40	
	25-Jul-20		AS-01C-9075	-	-	61.20	
	25-Jul-20		AS01CC-2590	-	-	47.53	
	25-Jul-20		AS-01EC-0657	-	-	47.53	
	26-Jul-20	4	NL01K-7665	-	-	30.20	
	26-Jul-20		NL02N-0433	-	-	29.80	
	26-Jul-20		AS-01BC-4537	-	-	42.82	
	26-Jul-20		AS01DD-1335	-	-	57.68	
	27-Jul-20	4	AS-01DD-2155	-	-	52.30	
	27-Jul-20		AS-01FC-9731	-	-	42.82	
	27-Jul-20		AS-01AC-6499	-	-	30.00	
	27-Jul-20		AS-01AC-7071	-	-	61.17	
	28-Jul-20	5	AS-01DC-9732	-	-	45.90	
	28-Jul-		AS-01FC-5275	-	-	29.87	

M/S TOPCEM INDIA							
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)	
	20						
	28-Jul-20		NL-01K-1761	-	-	47.53	
	28-Jul-20		AS-01DD-2058	-	-	19.50	
	29-Jul-20	4	TR01AB-1622	-	-	22.60	
	29-Jul-20		AS-01DD-7187	-	-	51.60	
	29-Jul-20		AS-01FC-7035	-	-	42.82	
	29-Jul-20		AP28TE-6224	-	-	30.00	
	30-Jul-20	4	AS-01DD-5712	-	-	61.17	
	30-Jul-20		AS-01EC-9417	-	-	45.90	
	30-Jul-20		AS01DC-0789	-	-	26.10	
	30-Jul-20		AS-01BC-0799	-	-	30.50	
	31-Jul-20	4	AS01CC-4259	-	-	30.10	
	31-Jul-20		AS-01CC-7239	-	-	20.40	
	31-Jul-20		AS-01C-9075	-	-	26.40	
	31-Jul-20		NL01K-7665	-	-	28.40	

M/S TOPCEM INDIA							
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)	
Aug-20	1-Aug-20	4	AS-01FC-6225	-	-	61.17	26.94
	1-Aug-20		AS-01DC-9732	-	-	40.70	
	1-Aug-20		AS-01FC-5275	-	-	30.20	
	1-Aug-20		NL-01K-1761	-	-	30.20	
	2-Aug-20	4	AS-01DD-2058	-	-	30.20	
	2-Aug-20		TR01AB-1622	-	-	62.70	
	2-Aug-20		AS-01DD-7187	-	-	53.20	
	2-Aug-20		AS-01FC-7035	-	-	13.50	
	3-Aug-20	4	AP28TE-6224	-	-	13.40	
	3-Aug-20		AS-01DD-5712	-	-	22.60	
	3-Aug-20		NL01D-3840	-	-	33.40	
	3-Aug-20		AS-01EC-9417	-	-	33.40	
	4-Aug-20	4	AS01DC-0789	-	-	45.20	
	4-Aug-20		AS-01BC-0799	-	-	65.10	
	4-Aug-20		AS01CC-4259	-	-	55.10	
	4-Aug-20		AS-01CC-7239	-	-	51.86	
	5-Aug-20	5	AS-01C-9075	-	-	22.66	
	5-Aug-20		NL01K-7665	-	-	15.70	
	5-Aug-20		NL02N-0433	-	-	53.20	
	5-Aug-20		AS-01AC-0911	-	-	61.60	
5-Aug-20	AS01CC-2590		-	-	47.53		
6-Aug-20	5	AS-01AC-8642	-	-	47.53		
6-Aug-20		AS01DD-2058	-	-	29.87		
6-Aug-20		AS-01DD-	-	-	23.40		

M/S TOPCEM INDIA							
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)	
			9886				
	6-Aug-20		AS-01EC-4737	-	-	44.28	
	6-Aug-20		AS-01BC-4537	-	-	61.17	
	7-Aug-20	4	AS-01FC-9731	-	-	61.12	
	7-Aug-20		AS-01BC-2351	-	-	61.17	
	7-Aug-20		AS01FC-9437	-	-	40.70	
	7-Aug-20		AS01EC-7849	-	-	30.20	
	8-Aug-20	4	AS-01GC-6392	-	-	30.20	28.13
	8-Aug-20		AS-01DD-3086	-	-	56.70	
	8-Aug-20		NL-01Q-4612	-	-	51.06	
	8-Aug-20		NL-01Q-8581	-	-	30.20	
	9-Aug-20	4	AS-01AC-6411	-	-	47.53	
	9-Aug-20		AS01DC-7709	-	-	46.30	
	9-Aug-20		AS01BC-1099	-	-	33.60	
	9-Aug-20		AS01BC-2781	-	-	13.50	
	10-Aug-20	4	NL-01L-0365	-	-	38.20	
	10-Aug-20		PB-65X-7514	-	-	30.00	
	10-Aug-20		AS0-1BC-6598	-	-	61.17	
	10-Aug-20		AS-01AC-8113	-	-	57.68	
	11-Aug-20	5	AS-01DC-1525	-	-	49.50	
	11-Aug-20		AS-01DD-5535	-	-	52.10	
	11-Aug-20		AS-01EC-0659	-	-	57.68	
	11-Aug-20		AS-01FC-9906	-	-	11.06	
	11-Aug-20		AS-01GC-5842	-	-	38.20	

M/S TOPCEM INDIA							
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)	
	12-Aug-20	4	AS01GC-6651	-	-	21.30	28.61
	12-Aug-20		AS-01FC-7312	-	-	47.53	
	12-Aug-20		AP-16TG-0877	-	-	35.85	
	12-Aug-20		AP16TH-7677	-	-	38.20	
	13-Aug-20	4	AS01DC-6357	-	-	33.25	
	13-Aug-20		AS-01EC-2197			57.61	
	13-Aug-20		AS-01DC-9732			49.60	
	13-Aug-20		AS-01AC-2395	-	-	49.50	
	14-Aug-20	5	AS01BC-7588	-	-	54.80	
	14-Aug-20		AS01DC-9345	-	-	47.53	
	14-Aug-20		AS01DC-9437	-	-	55.82	
	14-Aug-20		AP-16TJ-0186	-	-	15.60	
	14-Aug-20		AS-01CC-4331	-	-	47.53	
	15-Aug-20	4	AS01GC-5244	-	-	42.82	
	15-Aug-20		NL01D-3840	-	-	23.40	
	15-Aug-20		RJ18GA-2905	-	-	14.50	
	15-Aug-20		AS-01DC-9732	-	-	47.53	
	16-Aug-20	4	AS-01FC-5275	-	-	30.00	
	16-Aug-20		AS-01AC-7071	-	-	24.60	
	16-Aug-20		AS-01EC-0135	-	-	42.81	

M/S TOPCEM INDIA							
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)	
	16-Aug-20		AS-25B-4033	-	-	43.80	
	17-Aug-20	4	AS-01DD-7187	-	-	30.20	
	17-Aug-20		AS-01FC-7035	-	-	61.17	
	17-Aug-20		AS-01DD-0747	-	-	61.17	
	17-Aug-20		AS01DC-0789	-	-	42.82	
	18-Aug-20		4	AS-01BC-0799	-	-	61.17
	18-Aug-20	AS-01AC-0260		-	-	49.50	
	18-Aug-20	AS01CC-2590		-	-	52.10	
	18-Aug-20	AS-01AC-0911		-	-	57.68	
	19-Aug-20	4	AS-01GC-8485	-	-	11.06	
	19-Aug-20		AS-01AC-8642	-	-	38.20	
	19-Aug-20		AS-01DD-9886	-	-	21.30	
	19-Aug-20		AS01AC-5159	-	-	47.53	
	20-Aug-20	5	AS01BC-2351	-	-	35.85	
	20-Aug-20		AS-01DD-2155	-	-	15.70	
	20-Aug-20		AS01DD-1278			28.50	
	20-Aug-20		AP28TE-6225			55.10	
	20-Aug-20		AS-01AC-6499	-	-	30.20	
	21-Aug-20	4	AS-01AC-6411	-	-	30.20	
	21-Aug-20		AS01AC-9441	-	-	42.82	

M/S TOPCEM INDIA							
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)	
	21-Aug-20		AS01BC-1099	-	-	26.86	
	21-Aug-20		AS01BC-2781	-	-	30.20	
	22-Aug-20	5	PB-65X-7514	-	-	61.80	28.34
	22-Aug-20		AS0-1BC-6598	-	-	61.17	
	22-Aug-20		AS-01DC-1525	-	-	21.30	
	22-Aug-20		AS-01DD-5535	-	-	42.82	
	22-Aug-20		AS-01EC-6272	-	-	45.90	
	23-Aug-20	4	AS01GC-6651	-	-	17.00	
	23-Aug-20		AS-01EC-9286	-	-	62.70	
	23-Aug-20		AP16TH-7677	-	-	31.00	
	23-Aug-20		AS01DD-9576	-	-	53.20	
	24-Aug-20	4	AS-01AC-2395	-	-	30.20	
	24-Aug-20		AS01DC-9632	-	-	61.80	
	24-Aug-20		AS01DC-9345	-	-	38.20	
	24-Aug-20		AS01DC-9737	-	-	3.50	
	25-Aug-20	5	AS-01CC-4331	-	-	61.17	
	25-Aug-20		AS01GC-5244	-	-	52.10	
	25-Aug-20		AS-01EC-9476			61.20	
	25-Aug-20		NL01D-3840	-	-	26.30	
	25-Aug-20		AP-07TJ-0369	-	-	30.20	

M/S TOPCEM INDIA							
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)	
	26-Aug-20	4	AS01DC-0789	-	-	47.53	
	26-Aug-20		AS01DD-1278	-	-	29.10	
	26-Aug-20		UP32DN-4494	-	-	30.20	
	26-Aug-20		AS-01EC-0135	-	-	30.20	
	27-Aug-20	5	AS-25B-4033	-	-	45.80	
	27-Aug-20		AS-01CC-1941	-	-	47.20	
	27-Aug-20		AS-01EC-9476	-	-	49.50	
	27-Aug-20		AS-01FC-6225	-	-	23.40	
	27-Aug-20		AS-01FC-7429	-	-	61.20	
	28-Aug-20	5	TR01AB-1622	-	-	47.53	
	28-Aug-20		AS-01DD-7187	-	-	47.53	
	28-Aug-20		AS-01FC-7429	-	-	30.20	
	28-Aug-20		AP28TE-6225	-	-	29.80	
	28-Aug-20		AS-01DD-5712	-	-	42.82	
	29-Aug-20	4	AS01DC-9737	-	-	56.70	
	29-Aug-20		AS01DC-9345	-	-	30.20	
	29-Aug-20		AP-28TE-6225	-	-	62.70	
	29-Aug-20		AS01DD-1335	-	-	53.20	
	30-Aug-20	3	AS-01FC-9731	-	-	13.50	
	30-Aug-20		AS-01BC-2351	-	-	13.40	

M/S TOPCEM INDIA							
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)	
	30-Aug-20		AS01EC-7849	-	-	22.60	28.44
	31-Aug-20	4	AS-01EC-0373	-	-	33.40	
	31-Aug-20		AS-25AC-1264	-	-	45.20	
	31-Aug-20		AS-25AC-1253	-	-	65.10	
	31-Aug-20		AS-25AC-1254	-	-	55.10	
	31-Aug-20						

M/S TOPCEM INDIA							
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)	
Sep-20	1-Sep-20	4	TR-01K-1728	-	-	62.70	28.44
	1-Sep-20		AS-01GC-8855	-	-	53.20	
	1-Sep-20		TR01AB-1622	-	-	13.50	
	1-Sep-20		AS01CC-8579	-	-	13.40	
	2-Sep-20	4	AS-01EC-9476	-	-	22.60	
	2-Sep-20		AS-01FC-6225	-	-	33.40	
	2-Sep-20		AS-01FC-7429	-	-	45.20	
	2-Sep-20		AP28TE-6224	-	-	65.10	
	3-Sep-20	4	AS-01DD-0747	-	-	55.10	
	3-Sep-20		AS-01EC-4737	-	-	51.86	
	3-Sep-20		AS-01BC-4537	-	-	22.66	
	3-Sep-20		AS-01FC-9731	-	-	15.70	
	4-Sep-20	4	AS-01BC-	-	-	53.20	

M/S TOPCEM INDIA							
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)	
			2351				
	4-Sep-20		AS01FC-9437	-	-	61.60	
	4-Sep-20		AS01EC-7849	-	-	47.53	
	4-Sep-20		AS-01GC-6392	-	-	47.53	
	5-Sep-20	5	AS-01DD-3086	-	-	29.87	
	5-Sep-20		NL-01Q-4612	-	-	23.40	
	5-Sep-20		NL-01Q-8581	-	-	44.28	
	5-Sep-20		AS-01AC-6411	-	-	61.17	
	5-Sep-20		AS01DC-7709	-	-	61.12	
	6-Sep-20	5	AS01BC-1099	-	-	61.17	
	6-Sep-20		AS01BC-2781	-	-	40.70	
	6-Sep-20		NL-01L-0365	-	-	30.20	
	6-Sep-20		PB-65X-7514	-	-	30.20	
	6-Sep-20		ASO-1BC-6598	-	-	56.70	
	7-Sep-20	4	AS-01AC-8113	-	-	51.06	
	7-Sep-20		AS-01DC-1525	-	-	30.20	
	7-Sep-20		AS-01DD-5535	-	-	47.53	
	7-Sep-20		AS-01EC-0659	-	-	46.30	
	8-Sep-20	4	AS-01FC-9906	-	-	33.60	
	8-Sep-20		AS-01GC-5842	-	-	13.50	
	8-Sep-20		AS01GC-6651	-	-	38.20	
	8-Sep-20		AS-01FC-7312	-	-	30.00	
	9-Sep-20	4	AP-16TG-0877	-	-	61.17	27.63
	9-Sep-20		AP16TH-7677	-	-	57.68	
	9-Sep-20		AS01DC-6357	-	-	49.50	
	9-Sep-20		AS-01EC-2197	-	-	52.10	
	10-Sep-20	4	AS-01AC-2395	-	-	57.68	

M/S TOPCEM INDIA							
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)	
	10-Sep-20		AS01BC-7588	-	-	11.06	
	10-Sep-20		AS01DC-9345	-	-	38.20	
	10-Sep-20		AS01DC-9437	-	-	21.30	
	11-Sep-20	5	AP-16TJ-0186	-	-	47.53	
	11-Sep-20		AS-01CC-4331	-	-	35.85	
	11-Sep-20		AS01GC-5244	-	-	38.20	
	11-Sep-20		NL01D-3840	-	-	33.25	
	11-Sep-20		RJ18GA-2905	-	-	57.61	
	12-Sep-20	4	AS-01DC-9732	-	-	61.80	
	12-Sep-20		AS-01FC-5275	-	-	61.17	
	12-Sep-20		AS-01AC-7071	-	-	21.30	
	12-Sep-20		AS-01EC-0135	-	-	42.82	
	13-Sep-20	4	AS-25B-4033	-	-	45.90	
	13-Sep-20		AS-01DD-7187	-	-	17.00	
	13-Sep-20		AS-01FC-7035	-	-	62.70	
	13-Sep-20		AS-01DD-0747	-	-	31.00	
	14-Sep-20	5	AS01DC-0789	-	-	53.20	
	14-Sep-20		AS-01BC-0799	-	-	30.20	
	14-Sep-20		AS-01AC-0260	-	-	61.80	
	14-Sep-20		AS01CC-2590	-	-	38.20	

M/S TOPCEM INDIA							
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)	
	14-Sep-20		AS-01AC-0911	-	-	38.10	
	15-Sep-20	4	AS-01GC-8485	-	-	61.17	27.34
	15-Sep-20		AS-01AC-8642	-	-	30.20	
	15-Sep-20		AS-01DD-9886	-	-	47.53	
	15-Sep-20		AS01AC-5159	-	-	30.20	
	16-Sep-20	4	AS01BC-2351	-	-	30.20	
	16-Sep-20		AS-01DD-2155	-	-	45.80	
	16-Sep-20		AS-01AC-6499	-	-	47.20	
	16-Sep-20		AS-01AC-6411	-	-	49.50	
	17-Sep-20	4	AS01AC-9441	-	-	23.40	
	17-Sep-20		AS01BC-1099	-	-	61.20	
	17-Sep-20		AS01BC-2781	-	-	47.53	
	17-Sep-20		PB-65X-7514	-	-	47.53	
	18-Sep-20	4	AS0-1BC-6598	-	-	30.20	
	18-Sep-20		AS-01DC-1525	-	-	29.80	
	18-Sep-20		AS-01DD-5535	-	-	42.82	
	18-Sep-20		AS-01EC-6272	-	-	57.68	
	19-Sep-20	4	AS01GC-6651	-	-	52.30	
	19-Sep-20		AS-01EC-9286	-	-	42.82	
	19-Sep-20		AP16TH-7677	-	-	30.00	

M/S TOPCEM INDIA							
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)	
	19-Sep-20		AS01DD-9576	-	-	61.17	29.10
	20-Sep-20	4	AS-01AC-2395	-	-	45.90	
	20-Sep-20		AS01DC-9632	-	-	29.87	
	20-Sep-20		AS01DC-9345	-	-	47.53	
	20-Sep-20		AS01DC-9737	-	-	19.50	
	21-Sep-20	4	AS-01CC-4331	-	-	22.60	
	21-Sep-20		AS01GC-5244	-	-	36.10	
	21-Sep-20		NL01D-3840	-	-	34.40	
	21-Sep-20		AP-07TJ-0369	-	-	38.70	
	22-Sep-20	5	AS01DC-0789	-	-	42.40	
	22-Sep-20		AS01DD-1278	-	-	46.10	
	22-Sep-20		UP32DN-4494	-	-	45.10	
	22-Sep-20		AS-01EC-0135	-	-	46.80	
	22-Sep-20		AS-25B-4033	-	-	28.10	
	23-Sep-20	4	AS-01CC-1941	-	-	27.10	
	23-Sep-20		AS-01EC-9476	-	-	19.50	
	23-Sep-20		AS-01FC-6225	-	-	45.80	
	23-Sep-20		AS-01FC-7429	-	-	52.10	
	24-Sep-20	4	TR01AB-1622	-	-	53.90	
	24-Sep-20		AS-01DD-7187	-	-	59.10	

M/S TOPCEM INDIA							
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)	
	24-Sep-20		AS-01FC-7429	-	-	28.10	
	24-Sep-20		AP28TE-6225	-	-	27.10	
	25-Sep-20	4	AS-01DD-5712	-	-	33.10	
	25-Sep-20		AS-01EC-8097	-	-	61.60	
	25-Sep-20		AS-25CC-3200	-	-	60.70	
	25-Sep-20		NL01N-4249	-	-	61.19	
	26-Sep-20	4	NL-01Q-4612	-	-	56.40	
	26-Sep-20		NL-01Q-8581	-	-	28.90	
	26-Sep-20		AS-01AC-6411	-	-	13.40	
	26-Sep-20		AS01DC-7709	-	-	22.60	
	27-Sep-20	5	AS01AC-9441	-	-	33.40	
	27-Sep-20		AS01BC-1099	-	-	45.20	
	27-Sep-20		AS01BC-2781	-	-	65.10	
	27-Sep-20		AS01DC-4326	-	-	55.10	
	27-Sep-20		AS-01GC-0155	-	-	51.86	
	28-Sep-20	5	NL-01L-0365	-	-	22.66	
	28-Sep-20		PB-65X-7514	-	-	15.70	
	28-Sep-20		AS0-1BC-6598	-	-	53.20	
	28-Sep-20		AS-01AC-8113	-	-	47.53	
	28-Sep-20		AS-01DC-1525	-	-	47.53	

M/S TOPCEM INDIA							
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)	
	29-Sep-20	4	AS-01DD-5213	-	-	29.87	
	29-Sep-20		AS-01DD-5535	-	-	23.40	
	29-Sep-20		AS-01EC-0659	-	-	44.28	
	29-Sep-20		AS-01EC-6272	-	-	61.17	
	30-Sep-20	4	AS-01FC-9906	-	-	61.12	
	30-Sep-20		AS-01GC-5842	-	-	61.17	
	30-Sep-20		AS01GC-6651	-	-	40.70	
	30-Sep-20		AS01DC-9737	-	-	30.20	

## **ANNEXURE-IV**

### **The costing details of CSR activities**

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

**Item-wise Corporate Social Responsibility details along with costing**

**For FY 2020-21(April to September 2020)**

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

**☑ Village Infrastructure-**

- Drinking water is providing by M/s Topcem India to near by village on daily basis and spent cost is nearly 48000/- (Rupees Forty Eight Thousand only) per month. Cost for April 2020 to September 2020 is- 288000/- Rs.

**☑ Welfare work**

- PRECAUTIONARY ITEMS DISTRIBUTED FOR COVID 19 PANEDEMIC- 226061 RUPEES ONLY.

**TOTAL COST SPENT UNDER CSR ACTIVITY IN 2020-21 (TO SEP 2020) IS RUPREES 514061/- ONLY.**

REMARK: Due to COVID 19 Pandemic and Lock Down in whole Area and State, CSR Activities is performed almost negligible within that Period. So the costing of CSR is reduced in this period.

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



**ANNEXURE-V**  
**Latest Occupational health surveillance**  
**Report**

Name : Mr. Mainuddin	Age : 19 Years
Sex : Male	MRN : 17550000162133
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: LB5110KA2000PTC027497

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

Hospital Address: Near Tolaram Bafna medical complex, Amingoan, Guwahati 781031. Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Uddin, Mr. Maiun  
ID 0000162133  
Age 19  
Height 170 cm  
Weight 56 kg BMI 19.4  
Gender Male  
Ethnicity Indian (+)

**Test Information**

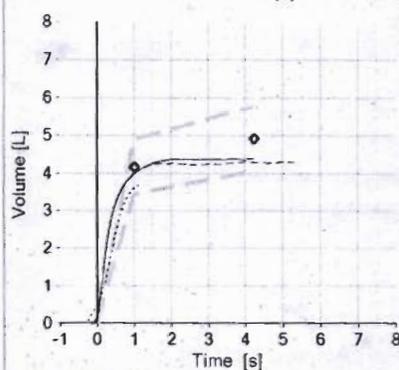
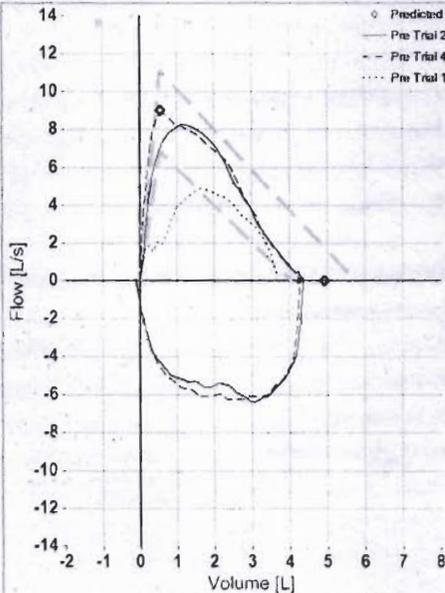
Test Type FVC (exin)  
Test Date 12/27/2019 12:25:17 PM  
Post Time  
Interpretation GOLD (2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Beshivas  
BTPS (IN/EX) 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 96%

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 2	Trial 4	Trial 1	
FVC [L]	4.91	4.06	4.37	4.37	4.29	3.67*	89
FEV1 [L]	4.16	3.44	3.98	3.98	3.98	3.60	96
FEV1/FVC	0.841	0.744	0.911	0.911	0.927	0.983	108
FEF25-75% [L/s]	4.55	3.09	5.42	5.42	5.67	4.34	119
PEF [L/s]	9.01	6.89	8.84	8.25	8.84	4.88*	98
FET [s]	-	-	4.2	4.2	4.0	1.1	-
FIVC [L]	4.91	4.06	4.47	4.47	4.35	0.32*	91
PIF [L/s]	-	-	6.41	6.41	6.30	0.50	-
Session Quality	Pre	A (FEV1 Var=0.00L (0.1%); FVC Var=0.08L (1.9%))					
System Interpretation	Pre	Normal Spirometry					

\* Indicates below LLN or significant post change.



Last Reviewer 3 12/27/2019



Name : Mr. Mannan Ali	Age : 27 Years
Sex : Male	MRN : 17550000162143
Refd. By: External	Date : 27.12.2019

**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.

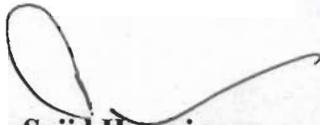
Both hila are normal in position, size, shape and density.

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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027497

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

Hospital Address: Near Tolaram Bafna medical complex, Amingaoan, Guwahati 781031. Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Ali, Mr. Mannan  
ID: 0000162143  
Age: 27  
Height: 165 cm  
Weight: 51 kg BMI: 18.7  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

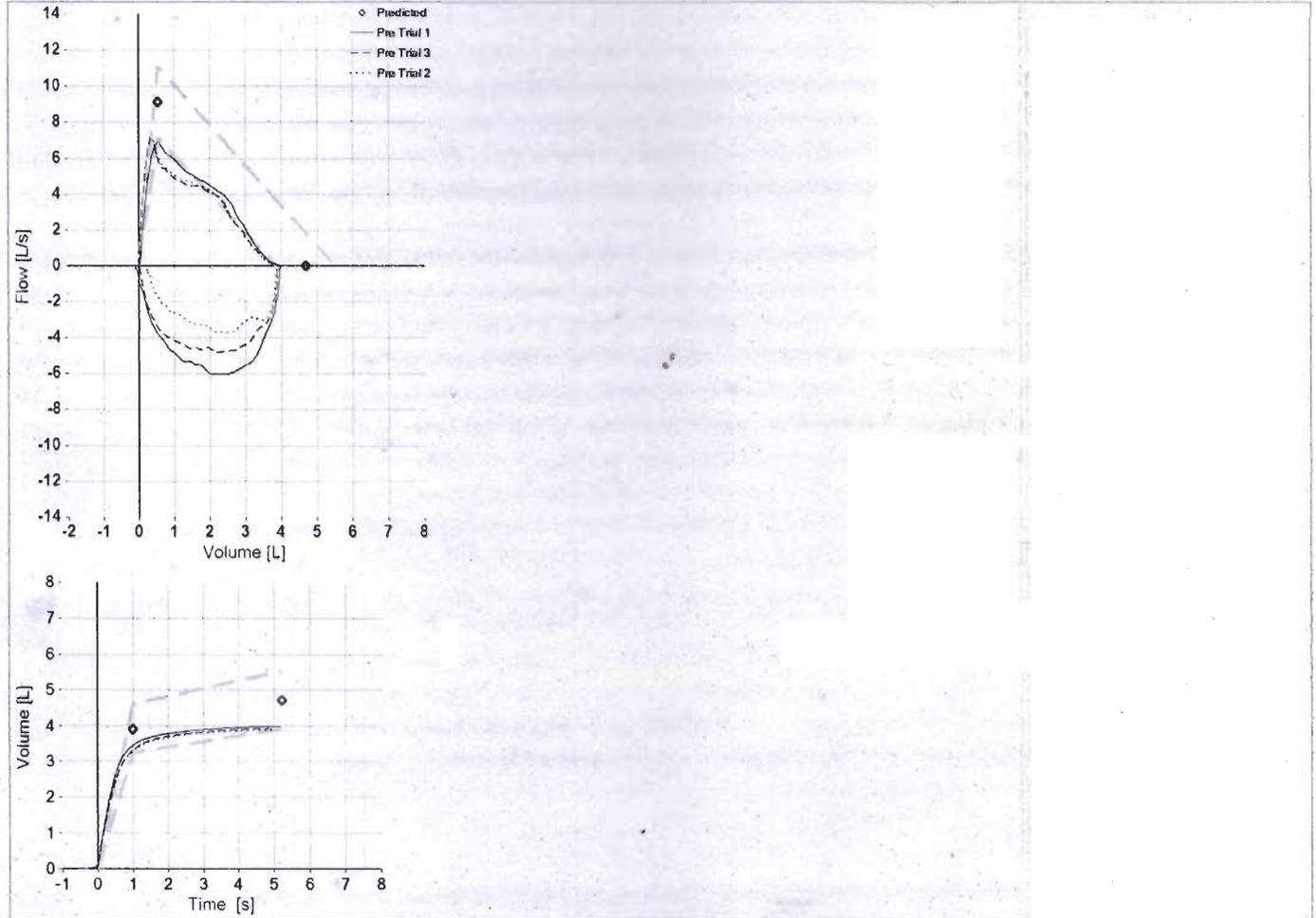
Test Type: FVL (ex/in)  
Test Date: 12/27/2019 12:23:12 PM  
Post Time:  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 88%

Parameter	Pre						
	Pred	LLN	Best	Trial 1	Trial 3	Trial 2	%Pred
FVC [L]	4.70	3.90	3.98	3.98	3.92	3.89*	85
FEV1 [L]	3.91	3.24	3.44	3.44	3.31	3.28	88
FEV1/FVC	0.824	0.728	0.864	0.864	0.844	0.845	105
FEF25-75% [L/s]	4.17	2.79	4.06	4.06	3.58	3.64	97
PEF [L/s]	9.13	7.14	7.22	6.90*	7.12*	7.22	79
FET [s]	-	-	5.2	5.2	4.9	5.0	-
FIVC [L]	4.70	3.90	4.07	4.07	3.89*	3.67*	87
PIF [L/s]	-	-	6.08	6.08	4.84	3.75	-
Session Quality	Pre	B (FEV1 Var=0.13L (3.8%); FVC Var=0.06L (1.6%))					
System Interpretation	Pre	Normal Spirometry					

\* Indicates below LLN or significant post change



Name : Mr. Jahangir Alam	Age : 30 Years
Sex : Male	MRN : 17550000162140
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
**MD, Radio Diagnosis**  
**Consultant Radiologist**

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560098

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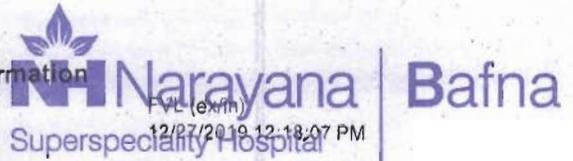
Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Alom, Mr. Jahangir  
ID 0000162140  
Age 30  
Height 165 cm  
Weight 61 kg BMI 22.4  
Gender Male  
Ethnicity Indian (+)

**Test Information**

Test Type FVL (ex/in)  
Test Date 12/27/2019 12:18:07 PM  
Post Time  
Interpretation GOLD (2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

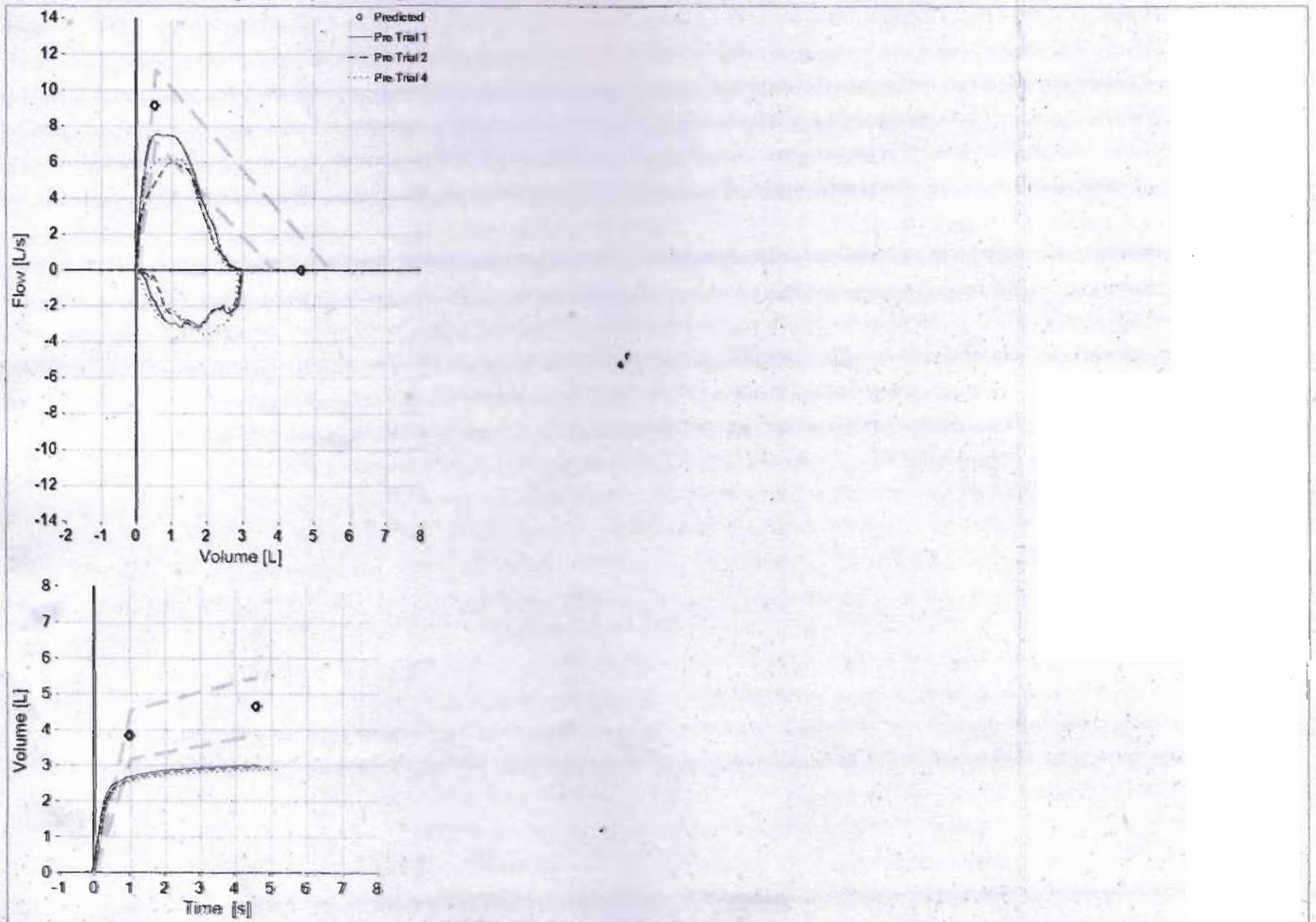


**Test Result**

Your FEV1 / Predicted: 70%

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 1	Trial 2	Trial 4	
FVC [L]	4.66	3.86	3.00*	3.00*	2.96*	2.89*	64
FEV1 [L]	3.85	3.17	2.68*	2.68*	2.60*	2.54*	70
FEV1/FVC	0.818	0.721	0.891	0.891	0.876	0.879	109
FEF25-75% [L/s]	4.02	2.64	4.83	4.83	4.05	4.25	120
PEF [L/s]	9.16	7.16	7.54	7.54	5.99*	6.21*	82
FET [s]	-	-	4.6	4.6	5.0	5.2	-
FIVC [L]	4.66	3.86	2.88*	2.85*	2.86*	2.82*	61
PIF [L/s]	-	-	3.60	3.19	3.23	3.60	-
Session Quality	Pre	A (FEV1 Var=0.08L (3.0%); FVC Var=0.04L (1.2%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



Last Reviewer 3/12/27/2019

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SN 28188



**Narayana Superspeciality Hospital**  
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Hospital Address: Near Tolazam Bafna medical complex, Amingaon, Guwahati 781031, Assam  
Mob: +91 8811 003030 Email: guwahati@nfhospitals.org, www.narayanahealth.org

Name : Mr. Jahidul Islam	Age : 21 Years
Sex : Male	MRN : 17550000162137
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Islam, Mr. Jaidul  
ID: 0000162137  
Age: 21  
Height: 166 cm  
Weight: 57 kg BMI: 20.7  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

Test Type: FVL (exm)  
Test Date: 12/27/2019 13:27:40 PM  
Post Time: 13:27:40 PM  
Interpretation: GOLD (2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Socially inspired Best Value  
BTPS (IN/EX): 1.12/1.02

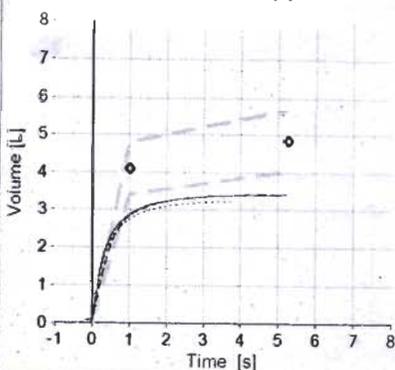
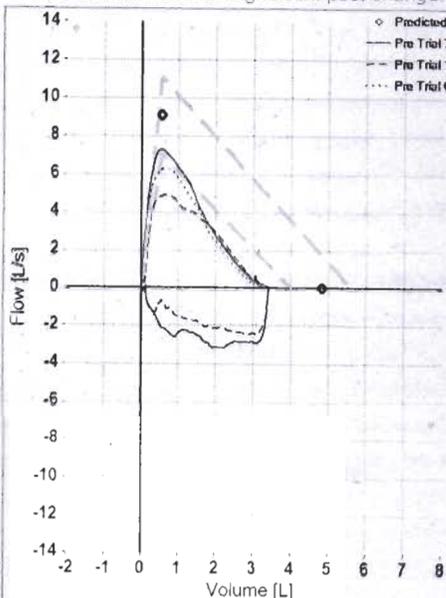
**Test Result**

Your FEV1 / Predicted: 70%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 7	Trial 1	Trial 6	
FVC [L]	4.84	4.03	3.43*	3.41*	3.43*	3.22*	71
FEV1 [L]	4.09	3.40	2.87*	2.87*	2.84*	2.74*	70
FEV1/FVC	0.837	0.740	0.836	0.840	0.829	0.853	100
FEF25-75% [L/s]	4.50	3.11	3.09*	3.09*	2.98*	3.10*	69
PEF [L/s]	9.09	7.07	7.28	7.28	4.90*	6.35*	80
FET [s]	-	-	5.2	5.2	4.5	3.7	-
FIVC [L]	4.84	4.03	3.39*	3.28*	3.39*	0.14*	70
PIF [L/s]	-	-	3.55	3.20	2.48	0.54	-

Session Quality: Pre A (FEV1 Var=0.02L (0.8%); FVC Var=0.02L (0.5%))  
System Interpretation: Pre Restriction probable; further examination recommended

\* Indicates below LLN or significant post change.



Last Reviewer: 3/12/27/2019



**Patient Information**

Name: Ali, Mr. Juran  
ID: 0000162138  
Age: 22  
Height: 162 cm  
Weight: 47 kg BMI: 17.9  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

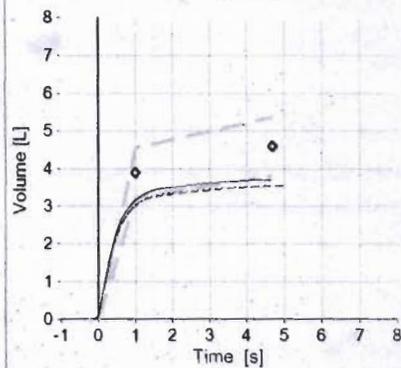
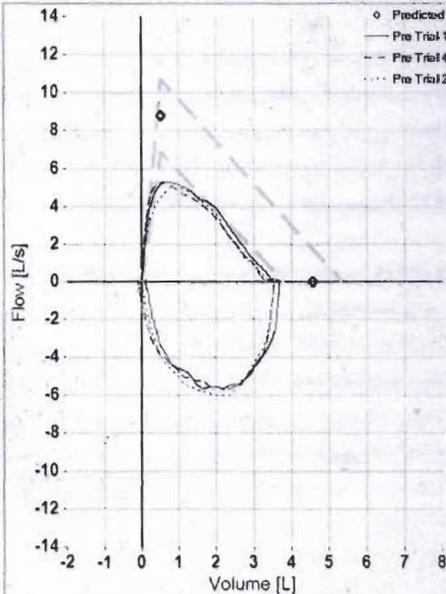
Test Type: FVC (Expir)  
Test Date: 12/27/2019 12:15:20 PM  
Post Time: GOLD(2008)/Hardie  
Interpretation: NHANES III \* 1.00  
Predicted: Best Value  
Value Selection: Socially inspired Best Value  
BTPS (IN/EX): 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 81%

Parameter	Pred	LLN	Pre			%Pred
			Best	Trial 1	Trial 4	
FVC [L]	4.58	3.81	3.69*	3.69*	3.54*	81
FEV1 [L]	3.88	3.23	3.14*	3.14*	3.01*	81
FEV1/FVC	0.835	0.738	0.850	0.850	0.852	102
FEF25-75% [L/s]	4.32	2.99	3.50	3.50	3.29	81
PEF [L/s]	8.79	6.87	5.29*	5.29*	5.04*	60
FET [s]	-	-	4.7	4.7	5.0	-
FIVC [L]	4.58	3.81	3.62*	3.57*	3.62*	79
PIF [L/s]	-	-	6.04	5.67	5.75	-
Session Quality	Pre	C (FEV1 Var=0.13L (4.0%); FVC Var=0.15L (4.2%))				
System Interpretation	Pre	Restriction probable; further examination recommended				

\* Indicates below LLN or significant post change



Name : Mr. Abdul Motleb	Age : 41 Years
Sex : Male	MRN : 17550000162132
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: LB5110KA2000PTC027497

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Hospital Address: Near Tolaram Bafna medical complex, Amingaoan, Guwahati 781031. Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Motleb, Mr. abdul  
 ID: 0000162132  
 Age: 41  
 Height: 162 cm  
 Weight: 64 kg BMI: 24.4  
 Gender: Male  
 Ethnicity: Indian (+)

**Test Information**

Test Type: FVC (ex/in)  
 Test Date: 12/27/2019 12:01:14 PM  
 Post Time: 12:01:14 PM  
 Interpretation: GOLD(2008)/Hardie  
 Predicted: NHANES III \* 1.00  
 Value Selection: Best Value  
 BTPS (IN/EX): 1.12/1.02

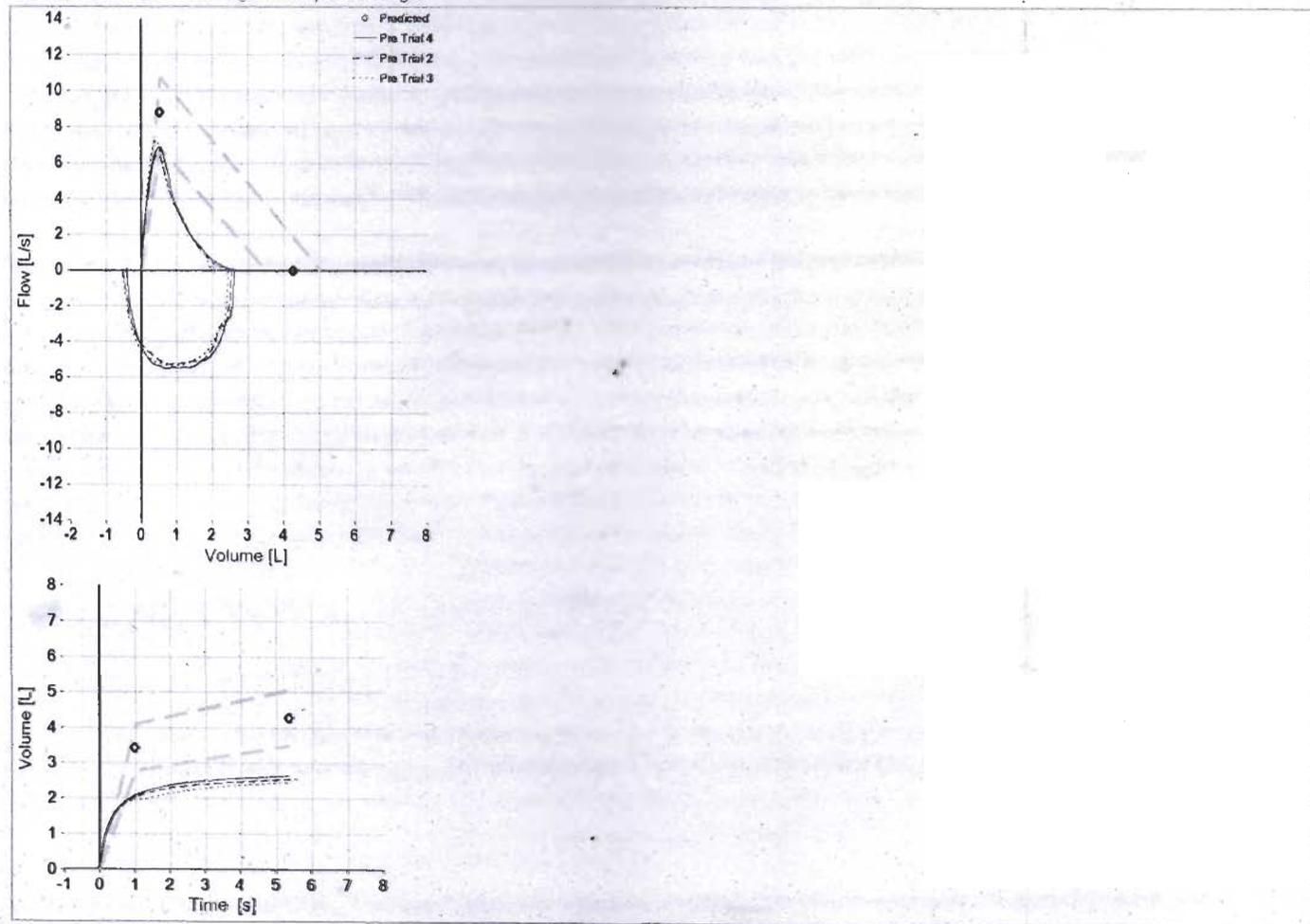


**Test Result**

**Your FEV1 / Predicted: 60%**

Parameter	Pre						%Pred
	Pred	LLN	Best	Trial 4	Trial 2	Trial 3	
FVC [L]	4.27	3.50	2.63*	2.63*	2.55*	2.45*	62
FEV1 [L]	3.43	2.78	2.07*	2.07*	2.02*	1.94*	60
FEV1/FVC	0.795	0.699	0.787	0.787	0.793	0.792	99
FEF25-75% [L/s]	3.37	2.04	1.81*	1.81*	1.84*	2.10	54
PEF [L/s]	8.81	6.88	7.27	6.92	6.48*	7.27	83
FET [s]	-	-	5.4	5.4	5.6	5.4	-
FIVC [L]	4.27	3.50	3.06*	3.03*	3.06*	2.98*	72
PIF [L/s]	-	-	5.54	5.54	5.28	5.40	-
Session Quality	Pre	A (FEV1 Var=0.05L (2.5%); FVC Var=0.08L (3.2%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



ndd Medizintechnik AG  
 Easy an-PC [1.7.6.4] (en) / PC-Sensar [2.0.0.0]  
 SN 218188



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**  
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 Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031. Assam  
 Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

Name : Mr. Juran Ali	Age : 22 Years
Sex : Male	MRN : 17550000162138
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE

186-0208-0208

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org



**Patient Information**

Name Ahmed, Mr. M  
ID 0000162144  
Age 33  
Height 170 cm  
Weight 61 kg BMI 21.1  
Gender Male  
Ethnicity Indian (+)

**Test Information**

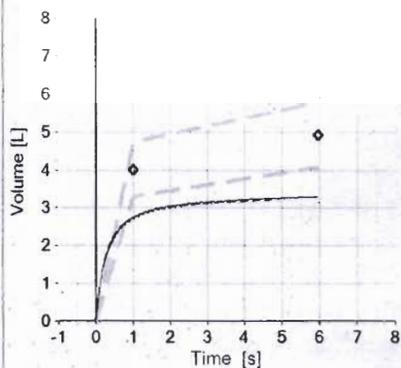
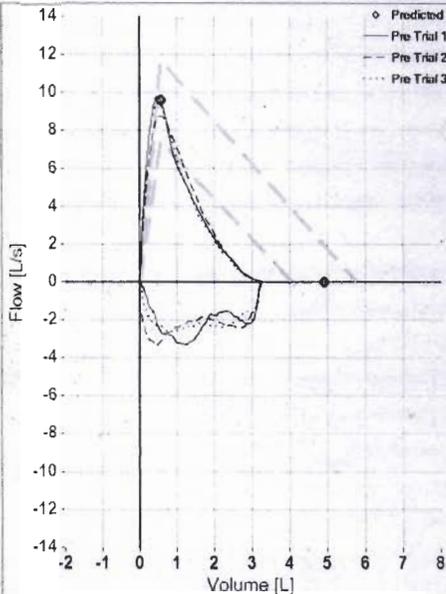
Test Type FVL (ex/in)  
Test Date 12/27/2019 12:31:56 PM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 68%

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 1	Trial 2	Trial 3	
FVC [L]	4.92	4.07	3.28*	3.28*	3.20*	3.23*	67
FEV1 [L]	4.01	3.29	2.74*	2.74*	2.74*	2.69*	68
FEV1/FVC	0.812	0.715	0.836	0.836	0.855	0.833	103
FEF25-75% [L/s]	4.04	2.58	2.89	2.89	3.29	2.84	72
PEF [L/s]	9.58	7.46	9.86	9.86	8.80	9.51	103
FET [s]	-	-	5.9	5.9	4.7	5.1	-
FIVC [L]	4.92	4.07	3.23*	3.23*	3.22*	3.20*	66
PIF [L/s]	-	-	3.37	3.33	3.37	2.65	-
Session Quality	Pre	A (FEV1 Var=0.00L (0.0%); FVC Var=0.04L (1.2%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



Name : Mr. M. Ahmed	Age : 33 Years
Sex : Male	MRN : 17550000162144
Refd. By: External	Date : 27.12.2019

**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.

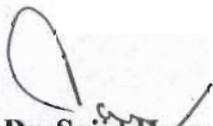
Both hila are normal in position, size, shape and density.

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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027487

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org



**Patient Information**

Name Hussain, Mr. Akmiul  
ID 0000162142  
Age 29  
Height 177 cm  
Weight 73 kg BMI 23.3  
Gender Male  
Ethnicity Indian (+)

**Test Information**

Test Type FVC (ex/in)  
Test Date 12/27/2019 12:38:45 PM  
Post Time  
Interpretation Unit of Narayana (2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Socially Inspired Best Value Karan Jain Bafna  
BTSP (IN/EX) 1.12/1.02

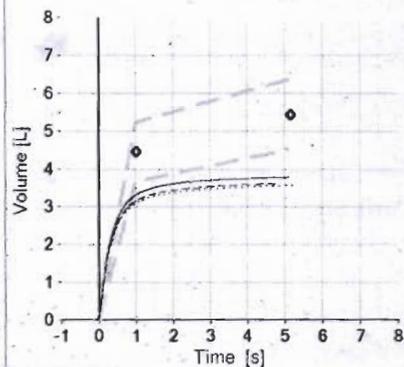
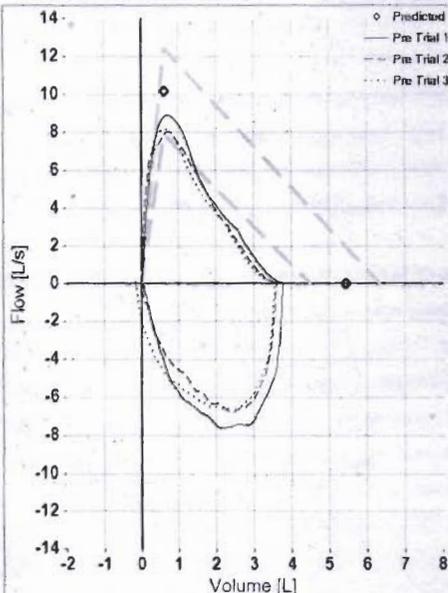
**Test Result**

Your FEV1 / Predicted: 74%

Parameter	Pred	LLN	Pre			%Pred
			Best	Trial 1	Trial 2	
FVC [L]	5.44	4.52	3.78*	3.78*	3.61*	70
FEV1 [L]	4.45	3.67	3.31*	3.31*	3.14*	74
FEV1/FVC	0.820	0.723	0.875	0.875	0.871	107
FEF25-75% [L/s]	4.49	2.91	4.01	4.01	3.91	89
PEF [L/s]	10.18	7.88	8.90	8.90	8.02	87
FET [s]	-	-	5.1	5.1	4.8	-
FIVC [L]	5.44	4.52	3.73*	3.73*	3.62*	69
PIF [L/s]	-	-	7.64	7.64	6.78	-

Session Quality Pre C (FEV1 Var=0.16L (5.0%); FVC Var=0.17L (4.5%))  
System Interpretation Pre Restriction probable; further examination recommended

\* Indicates below LLN or significant post change.



Name : Mr. Akimul Hussain	Age : 29 Years
Sex : Male	MRN : 17550000162142
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027497

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

Hospital Address: Near Tolaram Bafna medical complex, Amingoon, Guwahati 781031, Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Ali. Mr. Raju  
ID: 0000162129  
Age: 22  
Height: 176 cm  
Weight: 72 kg  
Gender: Male  
Ethnicity: Indian (+)

BMI 23.2

**Test Information**

Test Type: FVC (ex/in)  
Test Date: 12/27/2019 12:01:12 PM  
Post Time: 2019-12-27 12:01:12 PM  
Interpretation: Unit of Narayana Hospital (2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): Best Value  
1.12/1.02

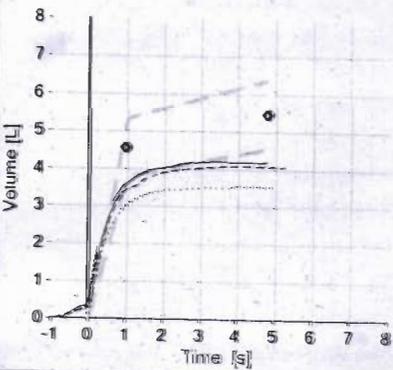
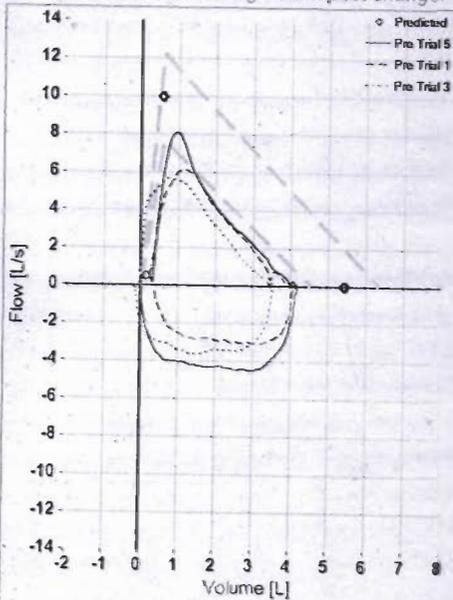
**Test Result**

Your FEV1 / Predicted: 78%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 5	Trial 1	Trial 3	
FVC [L]	5.46	4.55	4.20*	4.20*	4.08*	3.55*	77
FEV1 [L]	4.55	3.78	3.56*	3.56*	3.41*	3.01*	78
FEV1/FVC	0.835	0.738	0.848	0.848	0.834	0.849	102
FEF25-75% [L/s]	4.81	3.24	3.69	3.69	3.63	3.30	77
PEF [L/s]	9.97	7.70	8.12	8.12	6.12*	5.67*	81
FET [s]	-	-	3.6	3.6	4.3	4.2	-
FIVC [L]	5.46	4.55	4.18*	4.18*	3.68*	3.69*	76
PIF [L/s]	-	-	4.52	4.52	3.08	3.65	-

Session Quality: Pre C (FEV1 Var=0.16L (4.4%); FVC Var=0.12L (2.8%))  
System Interpretation: Pre Restriction probable; further examination recommended

\* Indicates below LLN or significant post change.



Last Reviewer: 3/12/2019

ndid Medizintechnik AG  
Easy on-PC [1.7.5.4] (en) / PC-Sensor [2.0.0.0]  
SN 218188



**Narayana Superspecialty Hospital**  
(a Unit of Narayana Hrudayalaya Limited)

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Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031, Assam  
Mob: +91 8811 003030 Email: guwahati@nfhospitals.org, www.narayanahealth.org

Name : Mr. Raju Ali	Age : 22 Years
Sex : Male	MRN : 17550000162129
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027497

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

Hospital Address: Near Tolaxam Bafna medical complex, Amingaoan, Guwahati 781031, Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Singh, Mr. Kundan  
ID 0000162125  
Age 34  
Height 174 cm  
Weight 62 kg BMI 20.5  
Gender Male  
Ethnicity Indian (+)

**Test Information**

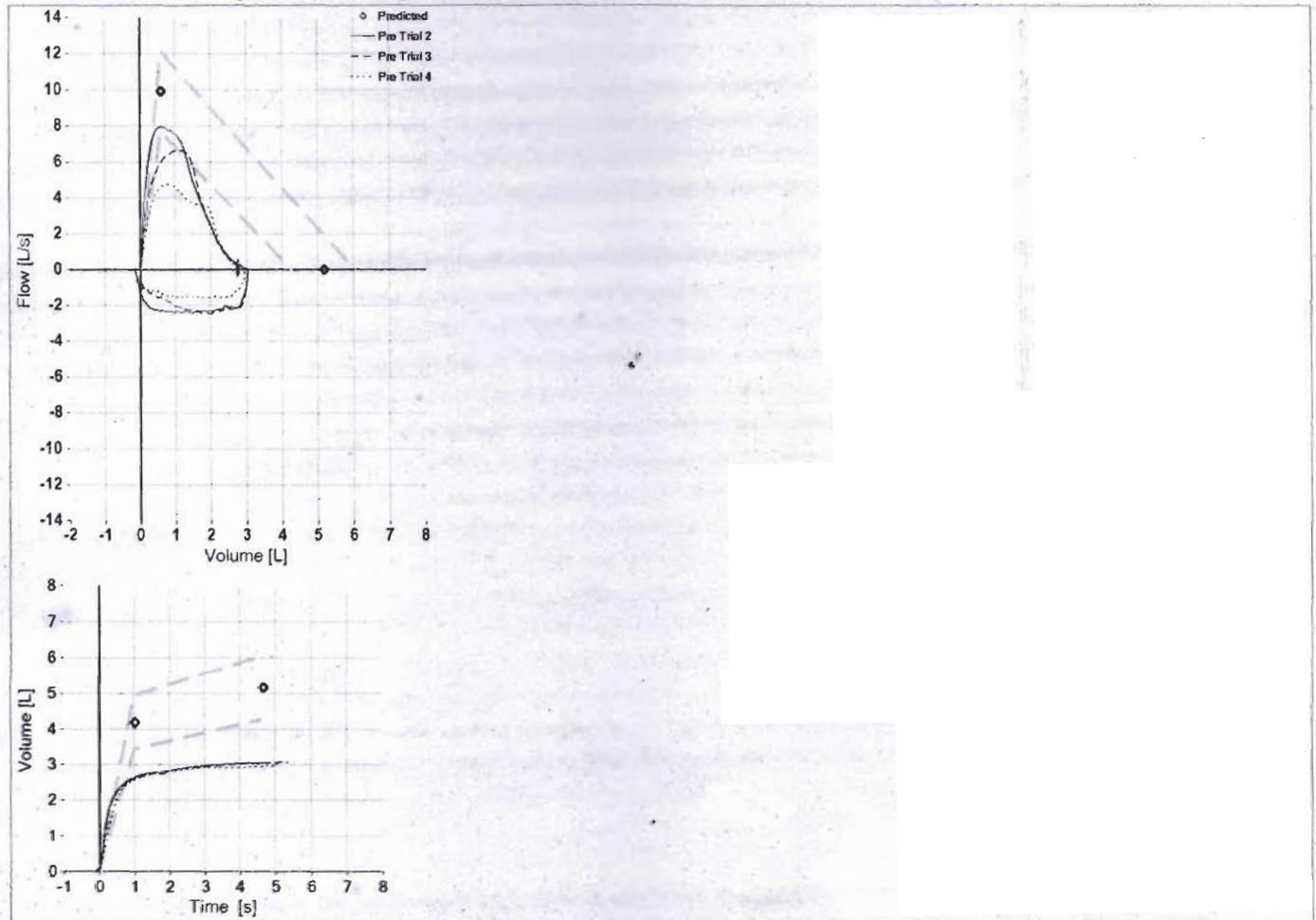
Test Type FVL (exm)  
Test Date 12/27/2019 12:09:08 PM  
Post Time  
Interpretation  
Predicted  
Value Selection: Best Value  
BTPS (IN/EX) 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 63%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 2	Trial 3	Trial 4	
FVC [L]	5.16	4.27	3.06*	3.05*	3.06*	2.96*	59
FEV1 [L]	4.18	3.43	2.64*	2.64*	2.60*	2.57*	63
FEV1/FVC	0.810	0.713	0.865	0.866	0.851	0.868	107
FEF25-75% [L/s]	4.13	2.60	3.62	3.62	3.55	3.53	87
PEF [L/s]	9.92	7.70	7.96	7.96	6.65*	4.71*	80
FET [s]	-	-	4.6	4.6	5.4	5.1	-
FIVC [L]	5.16	4.27	3.21*	3.19*	3.21*	3.10*	62
PIF [L/s]	-	-	2.52	2.52	2.46	1.58	-
Session Quality	Pre	A (FEV1 Var=0.04L (1.6%); FVC Var=0.01L (0.2%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



Last Reviewer 3 12/27/2019

Name : Mr. Kundan Singh	Age : 34 Years
Sex : Male	MRN : 17550000162125
Refd. By: External	Date : 27.12.2019

**X-RAY CHEST PA VIEW**

*Right para-cardiac zone haziness is seen- suggestive of pneumonitis.*

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.

  
**Dr. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027492

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560096

Hospital Address: Near Tolaram Bafna medical complex, Amingon, Guwahati 781031, Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Talukdar, Mr. Upen  
ID 0000162127  
Age 50  
Height 164 cm  
Weight 62 kg BMI 23.1  
Gender Male  
Ethnicity Indian (+)

**Test Information**

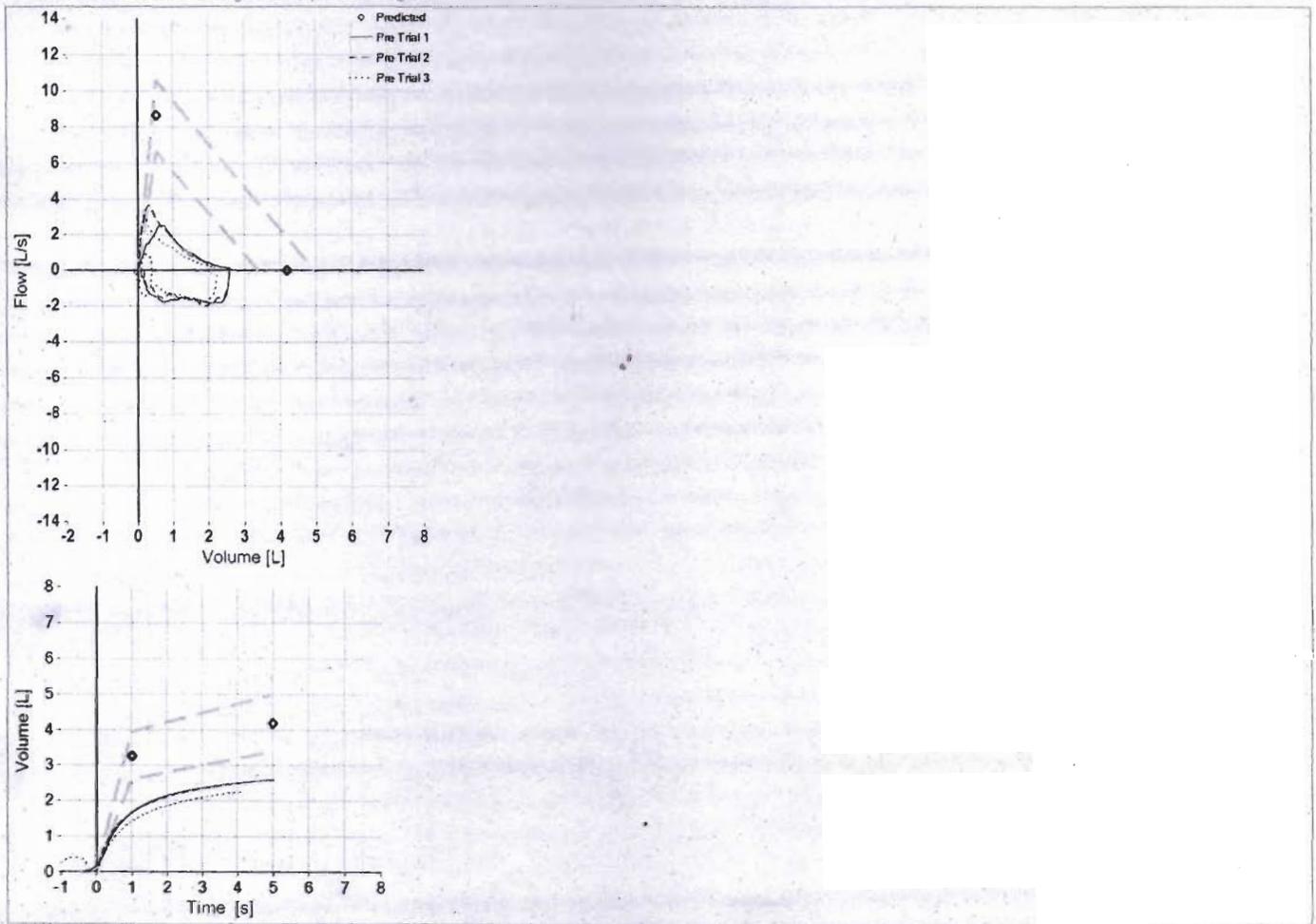
Test Type FVC (exm)  
Test Date 12/27/2019 11:55:54 AM  
Post Time  
Interpretation GOLD (2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

**Test Result**

**Your FEV1 / Predicted: 51%**

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 1	Trial 2	Trial 3	
FVC [L]	4.18	3.39	2.59*	2.59*	2.59*	2.24*	62
FEV1 [L]	3.26	2.59	1.66*	1.66*	1.66*	1.42*	51
FEV1/FVC	0.777	0.680	0.641*	0.641*	0.639*	0.631*	82
FEF25-75% [L/s]	2.98	1.63	1.05*	1.05*	0.97*	0.88*	35
PEF [L/s]	8.65	6.68	3.63*	2.51*	3.63*	3.06*	42
FET [s]	-	-	5.0	5.0	5.0	4.1	-
FIVC [L]	4.18	3.39	2.49*	2.49*	2.41*	2.35*	60
PIF [L/s]	-	-	2.02	1.88	2.02	1.83	-
Session Quality	Pre	A (FEV1 Var=0.01L (0.4%); FVC Var=0.00L (0.1%))					
System Interpretation	Pre	Moderate Obstruction					

\* Indicates below LLN or significant post change.



Last Reviewer 3 12/27/2019

ndd Medizintechnik AG  
Easy on-PC [1.7.6.4] (an) / PC-Sensor [2.0.0.0]  
SN 218188



PATIENT HELPLINE  
186-0208-0208

**Narayana Superspeciality Hospital**  
(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099  
Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031, Assam  
Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

Name : Mr. Upen Talukdar	Age : 50 Years
Sex : Male	MRN : 17550000162127
Refd. By: External	Date : 27.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: LB5110KA2000PTC02749

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560098

Hospital Address: Near Tolaram Bafna medical complex, Amingoon, Guwahati 781031. Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Rahang, Mr. Munu  
ID: 0000162134  
Age: 35  
Height: 162 cm  
Weight: 49 kg BMI: 18.7  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

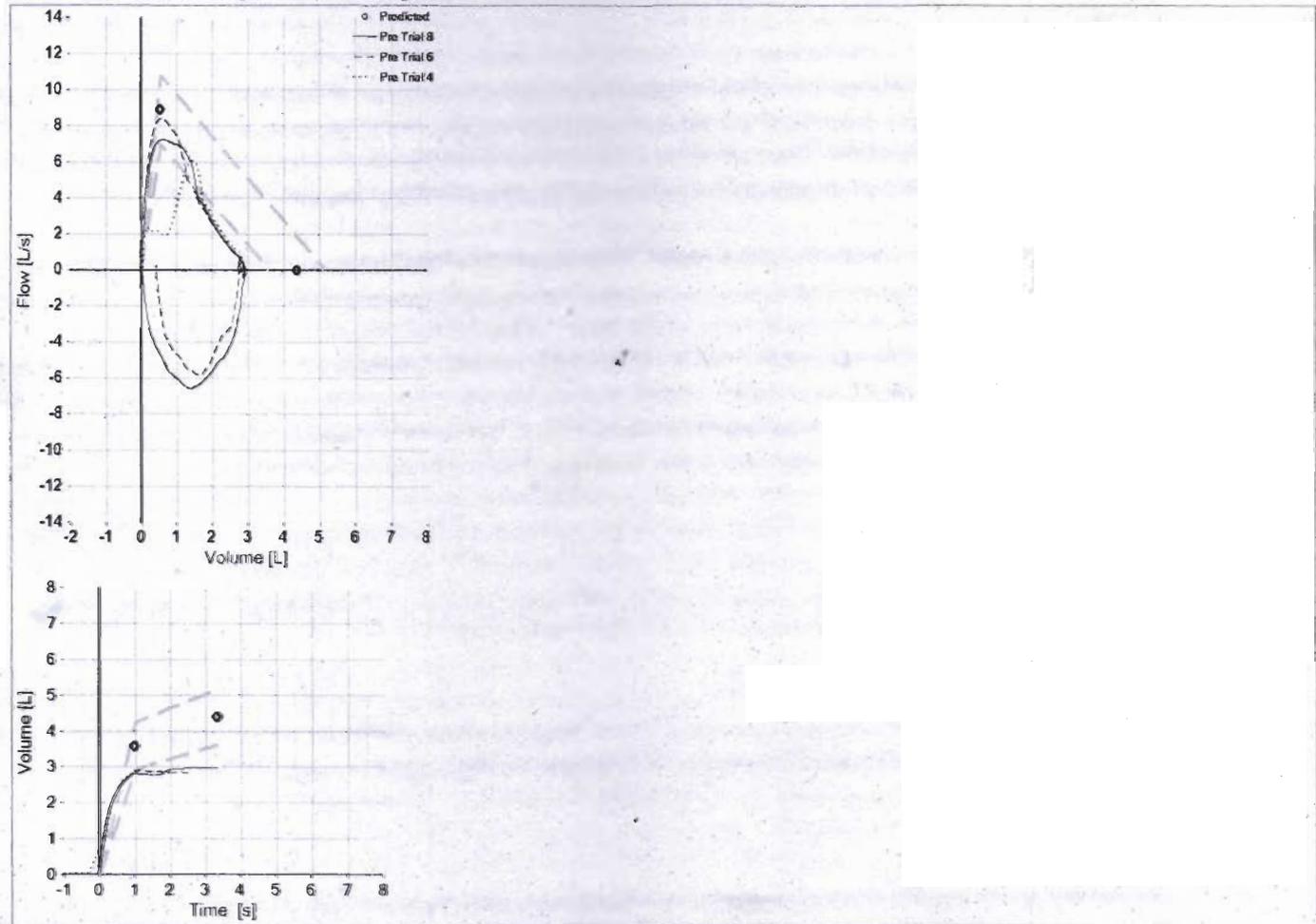
Test Type: FVC (exam)  
Test Date: 12/27/2019 12:11:40 PM  
Post Time: GOLD(2008)/Hardie  
Interpretation: NHANES III \* 1.00  
Predicted: Best Value  
Value Selection: Socially inspired by Shri Subhakar Jain Bafna  
BTPS (IN/EX): 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 79%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 8	Trial 6	Trial 4	
FVC [L]	4.39	3.62	2.98*	2.98*	2.90*	2.86*	68
FEV1 [L]	3.59	2.93	2.85*	2.81*	2.84*	2.85*	79
FEV1/FVC	0.808	0.711	0.958	0.944	0.978	0.998	119
FEF25-75% [L/s]	3.67	2.34	4.18	4.18	4.15	3.72	114
PEF [L/s]	8.90	6.98	8.44	7.22	8.44	6.11*	95
FET [s]	-	-	2.7	2.7	1.2	1.2	-
FIVC [L]	4.39	3.62	2.92*	2.92*	2.37*	0.22*	66
PIF [L/s]	-	-	6.58	6.58	5.84	1.12	-
Session Quality	Pre	A (FEV1 Var=0.01L (0.3%); FVC Var=0.07L (2.4%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



Last Reviewer: 3 12/27/2019

med Medizintechnik AG  
Easy on-PC [1.7.6.4] (a) / PC-Sensor [2.0.0.0]  
SN 218128



PATIENT HELPLINE  
186-0208-0208

Narayana Superspecialty Hospital  
(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027497  
Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099  
Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031, Assam  
Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org



**Dr. Sajid Hussain**  
 MD, Radio Diagnosis  
 Consultant Radiologist

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

**IMPRESSION: No significant abnormality.**

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.

**X-RAY CHEST PA VIEW**

Name : Mr. Munn Rahang	Age : 35 Years
Sex : Male	MRN : 17550000162134
Refd. By: External	Date : 27.12.2019

**Patient Information**

Name Islam, mr. Nurul  
ID 0000162253  
Age 19  
Height 172 cm  
Weight 49 kg BMI 16.6  
Gender Male  
Ethnicity Indian (+)

**Test Information**

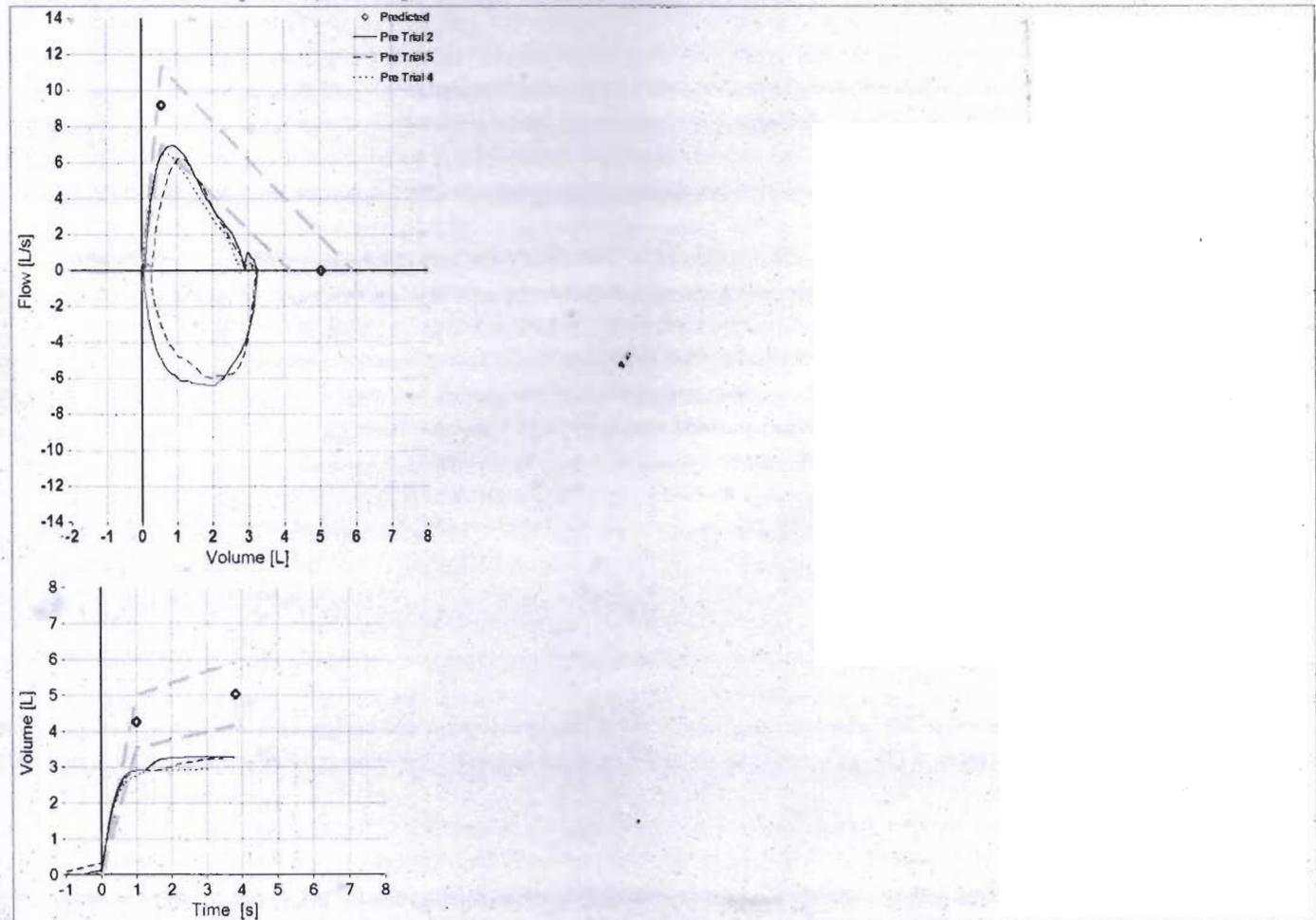
Test Type FVC (EXPI)  
Test Date 12/28/2019 1:44:11 PM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 68%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 2	Trial 5	Trial 4	
FVC [L]	5.04	4.16	3.28*	3.28*	3.24*	2.93*	65
FEV1 [L]	4.26	3.52	2.90*	2.90*	2.90*	2.75*	68
FEV1/FVC	0.841	0.744	0.883	0.883	0.893	0.936	105
FEF25-75% [L/s]	4.62	3.13	4.19	4.19	4.12	4.13	91
PEF [L/s]	9.18	7.01	6.94*	6.94*	6.25*	6.53*	76
FET [s]	-	-	2.8	2.8	3.5	2.9	-
FIVC [L]	5.04	4.16	3.21*	3.21*	2.97*	0.10*	64
PIF [L/s]	-	-	6.76	6.42	5.96	0.39	-
Session Quality	Pre	A (FEV1 Var=0.00L (0.1%); FVC Var=0.04L (1.1%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



Last Reviewer 3 12/28/2019



Name : Mr. Nurul Islam	Age : 19 Years
Sex : Male	MRN : 17550000162253
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Bora, Mr. Prasanta  
ID 0000162237  
Age 20  
Height 171 cm  
Weight 52 kg BMI 17.8  
Gender Male  
Ethnicity Indian (+)

**Test Information**

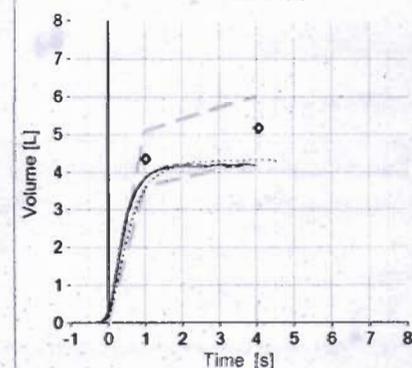
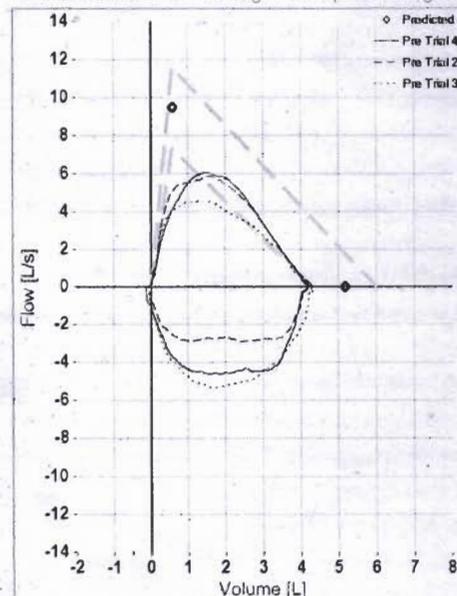
Test Type PFT (Spirometry)  
Test Date 12/28/2019 1:23:23 PM  
Post Time  
Interpretation GOLD (2008) / R12010  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 88%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 4	Trial 2	Trial 3	
FVC [L]	5.16	4.30	4.31	4.19*	4.20*	4.31	84
FEV1 [L]	4.35	3.62	3.84	3.83	3.82	3.56*	88
FEV1/FVC	0.839	0.742	0.890	0.915	0.911	0.826	106
FEF25-75% [L/s]	4.73	3.25	4.90	4.90	4.76	3.59	104
PEF [L/s]	9.48	7.34	7.04*	6.05*	5.89*	4.54*	74
FET [s]	-	-	3.1	3.1	2.1	4.2	-
FIVC [L]	5.16	4.30	4.33	4.31	4.21*	4.33	84
PIF [L/s]	-	-	5.36	4.64	2.95	5.36	-
Session Quality	Pre	B (FEV1 Var=0.01L (0.1%); FVC Var=0.12L (2.7%))					
System Interpretation	Pre	Normal Spirometry					

\* Indicates below LLN or significant post change



Last Reviewer 3 12/28/2019

Name : Mr. Prasanta Bora	Age : 20 Years
Sex : Male	MRN : 17550000162237
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
**MD, Radio Diagnosis**  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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Hospital Address: Near Tolaram Bafna medical complex, Amingaoan, Guwahati 781031. Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Baishya, Mr. Bipul  
ID 0000162242  
Age 37  
Height 176 cm  
Weight 73 kg BMI 23.6  
Gender Male  
Ethnicity Indian (+)

**Test Information**

Test Type FVC (Ex/In)  
Test Date 12/28/2019 1:13:55 PM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

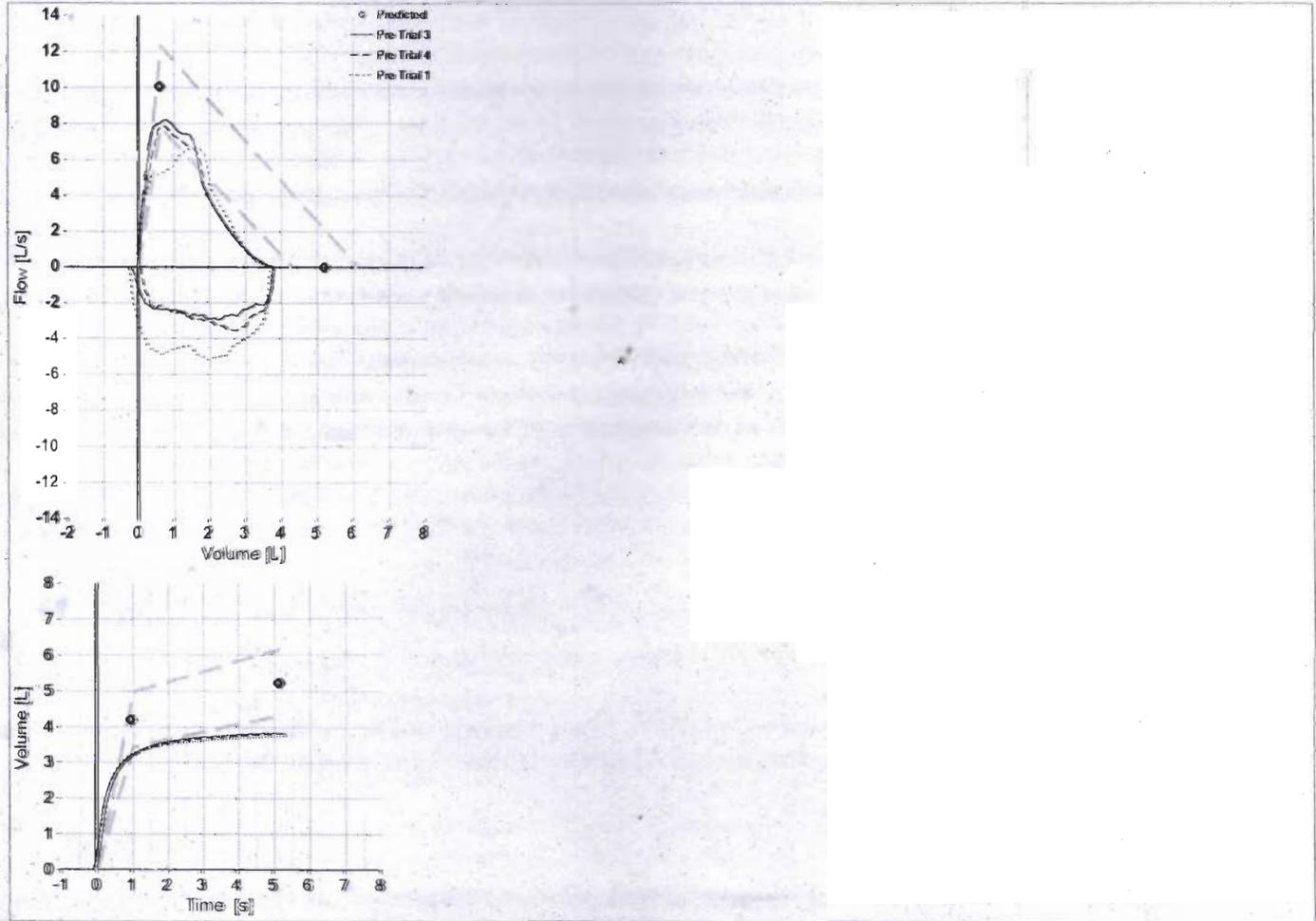
**Test Result**

**Your FEV1 / Predicted: 77%**

Parameter	Pred	LLN	Pre				%Pred
			Best	Trial 3	Trial 4	Trial 1	
FVC [L]	5.24	4.32	3.83*	3.83*	3.81*	3.73*	73
FEV1 [L]	4.20	3.43	3.22*	3.19*	3.15*	3.22*	77
FEV1/FVC	0.804	0.707	0.840	0.832	0.829	0.861	104
FEF25-75% [L/s]	4.06	2.49	3.45	3.45	3.42	4.15	85
PEF [L/s]	10.06	7.79	8.21	8.21	7.88	8.55*	82
FET [s]	-	-	5.2	5.2	5.4	5.3	-
FIVC [L]	5.24	4.32	3.98*	3.98*	3.72*	3.98*	76
PIF [L/s]	-	-	5.18	2.95	3.57	5.18	-

Session Quality Pre A (FEV1 Var=0.03L (0.9%); FVC Var=0.02L (0.6%))  
System Interpretation Pre Restriction probable; further examination recommended

\* Indicates below LLN or significant post change.



Last Reviewer 32 12/28/2019

ndd Medianttechnik AG  
Easy 01-FC (1.7.8.4) (ent) FC-Sensor (2.0.0.0)  
SN 215188



PATIENT HELPLINE  
186-0208-0208

Narayana Superspeciality Hospital  
(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027497  
Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore.560099  
Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031..Assam  
Mob: +91 8811-003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

Name : Mr. Bipul Baishya	Age : 37 Years
Sex : Male	MRN : 17550000162242
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

*Pankaj*

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027497

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

Hospital Address: Near Tolaram Bafna medical complex, Amingaoan, Guwahati 781031. Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Bania, Mr. Bipul  
 ID: 0000162225  
 Age: 34  
 Height: 180 cm  
 Weight: 66 kg BMI: 20.4  
 Gender: Male  
 Ethnicity: Indian (+)

**Test Information**

Test Type: PUL Maximo  
 Test Date: 12/28/2019 1:20:43 PM  
 Post Time:  
 Interpretation: GOLD(2008)/Hardie  
 Predicted: NHANES III \* 1.00  
 Value Selection: Best Value  
 BTPS (IN/EX): Socially inspired by Shri Subhakaran Jain Bafna 1.12/1.02

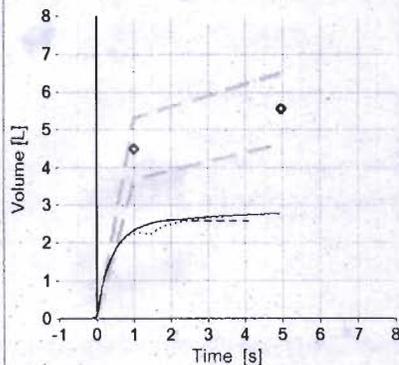
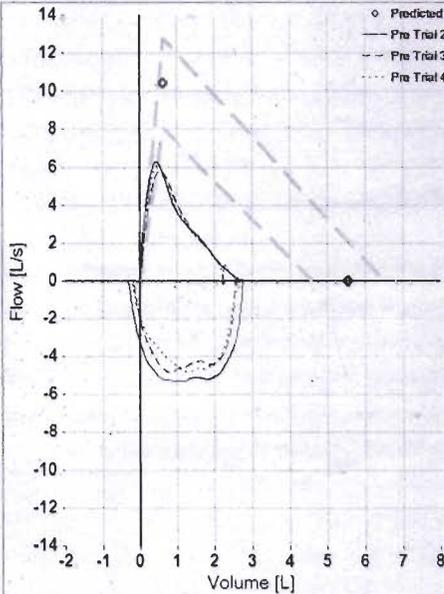
**Test Result**

Your FEV1 / Predicted: 52%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 2	Trial 3	Trial 4	
FVC [L]	5.56	4.60	2.77*	2.77*	2.62*	2.69*	50
FEV1 [L]	4.48	3.67	2.32*	2.32*	2.32*	2.24*	52
FEV1/FVC	0.810	0.713	0.839	0.839	0.887	0.835	104
FEF25-75% [L/s]	4.35	2.72	2.40*	2.40*	2.72	2.50*	55
PEF [L/s]	10.45	8.07	6.30*	6.30*	5.80*	6.09*	60
FET [s]	-	-	4.9	4.9	2.0	3.4	-
FIVC [L]	5.56	4.60	3.07*	3.07*	2.74*	2.87*	55
PIF [L/s]	-	-	5.30	5.30	4.84	4.81	-

Session Quality: Pre A (FEV1 Var=0.00L (0.1%); FVC Var=0.08L (3.0%))  
 System Interpretation: Pre Restriction probable; further examination recommended

\* Indicates below LLN or significant post change.



Last Reviewer: 3 12/28/2019

Name : Mr. Bipul Bania	Age : 34 Years
Sex : Male	MRN : 17550000162225
Refd. By: External	Date : 28.12.2019

**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.

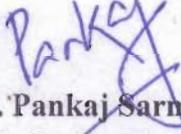
Both hila are normal in position, size, shape and density.

Left dome of the diaphragm is normal in position and contour.

***Right sided moderate pleural effusion is seen with basal collapse consolidation.*** Left CP angle is clear.

Soft tissue and bony cages are unremarkable.

**Dr. Sajid Hussain**  
**MD, Radio Diagnosis**  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Deka, Mr. Biraj  
ID: 0000162234  
Age: 27  
Height: 175 cm  
Weight: 67 kg BMI: 21.9  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

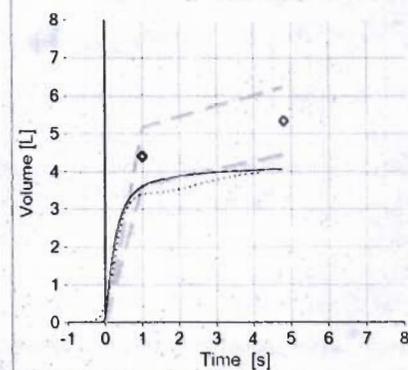
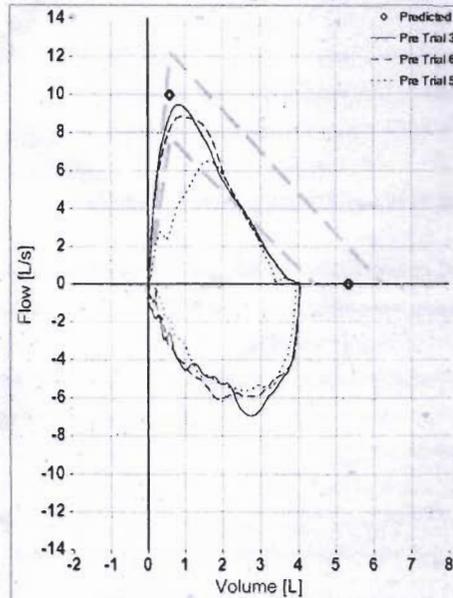
Test Type: PFT (ex/in)  
Test Date: 12/28/2019 1:25:45 PM  
Post Time:  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 82%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 3	Trial 6	Trial 5	
FVC [L]	5.34	4.43	4.07*	4.06*	4.07*	3.96*	76
FEV1 [L]	4.39	3.63	3.60*	3.60*	3.59*	3.39*	82
FEV1/FVC	0.824	0.728	0.886	0.888	0.882	0.857	108
FEF25-75% [L/s]	4.52	2.97	4.83	4.83	4.82	4.65	107
PEF [L/s]	9.98	7.74	9.46	9.46	8.83	6.51*	95
FET [s]	-	-	4.8	4.8	4.8	4.2	-
FIVC [L]	5.34	4.43	4.06*	4.06*	4.03*	3.76*	76
PIF [L/s]	-	-	6.97	6.97	6.10	5.66	-
Session Quality	Pre	A (FEV1 Var=0.02L (0.4%); FVC Var=0.01L (0.2%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



Last Reviewer: 3 12/28/2019

Name : Mr. Biraj Deka	Age : 27 Years
Sex : Male	MRN : 17550000162234
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Phukan, Mr. Liladhar  
ID 0000162251  
Age 39  
Height 161 cm  
Weight 56 kg BMI 21.6  
Gender Male  
Ethnicity Indian (+)

**Test Information**

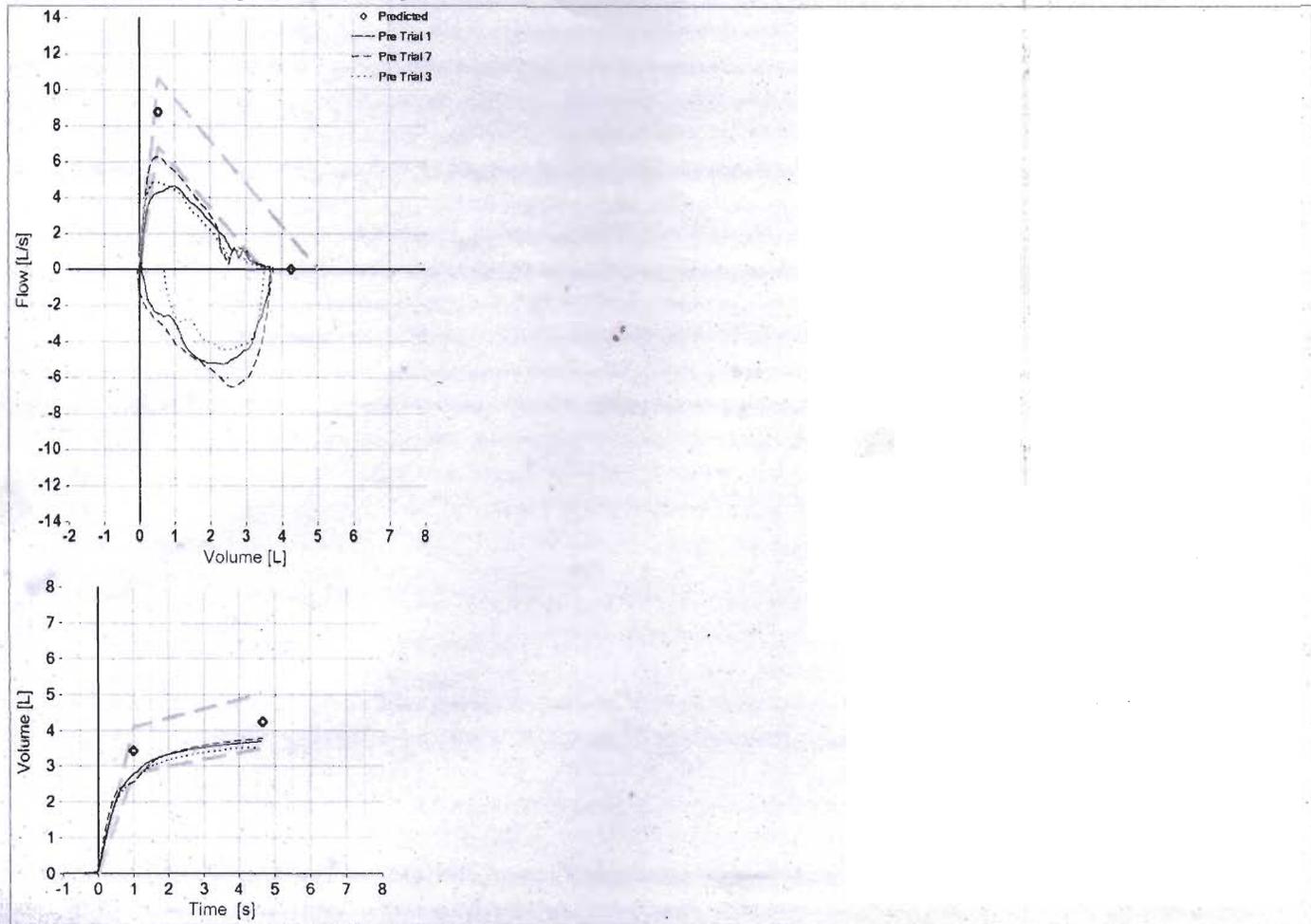
Test Type FVC, Expir  
Test Date 12/28/2019 1:47:02 PM  
Post Time  
Interpretation GOLD(2005)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.1271.02

**Test Result**

**Your FEV1 / Predicted: 81%**

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 1	Trial 7	Trial 3	
FVC [L]	4.25	3.49	3.77	3.68	3.77	3.52	89
FEV1 [L]	3.44	2.79	2.77*	2.77*	2.55*	2.56*	81
FEV1/FVC	0.800	0.703	0.736	0.752	0.678*	0.728	92
FEF25-75% [L/s]	3.43	2.12	2.34	2.34	1.72*	1.96*	68
PEF [L/s]	8.77	6.87	6.29*	4.62*	6.29*	4.87*	72
FET [s]	-	-	4.6	4.6	4.7	4.5	-
FIVC [L]	4.25	3.49	3.82	3.62	3.82	2.82*	90
PIF [L/s]	-	-	6.54	5.25	6.54	4.45	-
Session Quality	Pre	D - Result not repeatable (FEV1 Var=0.21L (7.5%); FVC Var=0.08L (2.2%))					
System Interpretation	Pre	Normal Spirometry					

Caution: Poor session quality. Interpret with care  
\* Indicates below LLN or significant post change.



Last Reviewer 3 12/28/2019

Name : Mr. Liladhar Phukan	Age : 39 Years
Sex : Male	MRN : 17550000162251
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Bora, Mr. Naren  
ID 0000162243  
Age 50  
Height 172 cm  
Weight 76 kg BMI 25.7  
Gender Male  
Ethnicity Indian (+)

**Test Information**

Test Type PUL (exhal)  
Test Date 12/28/2019 1:16:55 PM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

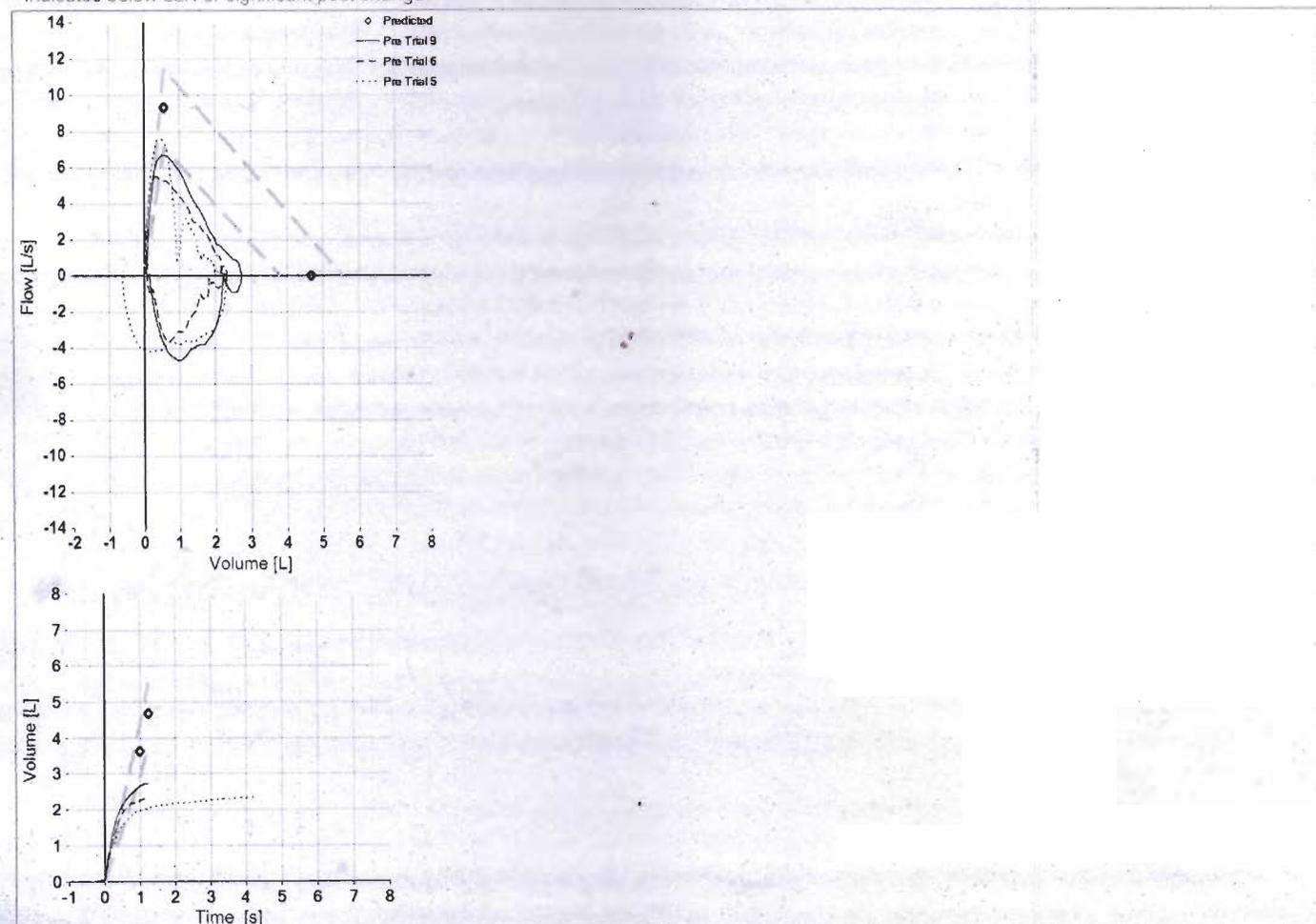
**Test Result**

Your FEV1 / Predicted: 73%

Parameter	Pre						
	Pred	LLN	Best	Trial 9	Trial 6	Trial 5	%Pred
FVC [L]	4.68	3.81	2.73*	2.73*	2.32*	2.35*	58
FEV1 [L]	3.64	2.91	2.65*	2.65*	2.25*	1.99*	73
FEV1/FVC	0.777	0.680	0.972	0.972	0.969	0.847	125
FEF25-75% [L/s]	3.26	1.77	3.75	3.75	3.61	1.96	115
PEF [L/s]	9.32	7.15	7.64	6.70*	5.53*	7.64	82
FET [s]	-	-	1.2	1.2	1.2	4.3	-
FIVC [L]	4.68	3.81	2.95*	2.57*	2.23*	2.95*	63
PIF [L/s]	-	-	4.71	4.71	3.68	4.19	-

Session Quality Pre D - Result not repeatable (FEV1 Var=0.40L (15.1%); FVC Var=0.38L (13.9%))  
System Interpretation Pre Restriction probable; further examination recommended

Caution: Poor session quality. Interpret with care  
\* Indicates below LLN or significant post change



Last Reviewer 3 12/28/2019

ndd Medizintechnik AG  
Easy on-PC (1.7.6.4) [en] / PC-Sensor (2.0.0.0)  
SN 218188



**Narayana Superspeciality Hospital**  
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Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031, Assam  
Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

Name : Mr. Naren Bora	Age : 50 Years
Sex : Male	MRN : 17550000162243
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
**MD, Radio Diagnosis**  
**Consultant Radiologist**

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Boro, Mr. Ratiram  
ID 0000162256  
Age 49  
Height 163 cm  
Weight 51 kg BMI 19.2  
Gender Male  
Ethnicity Indian (+)

**Test Information**

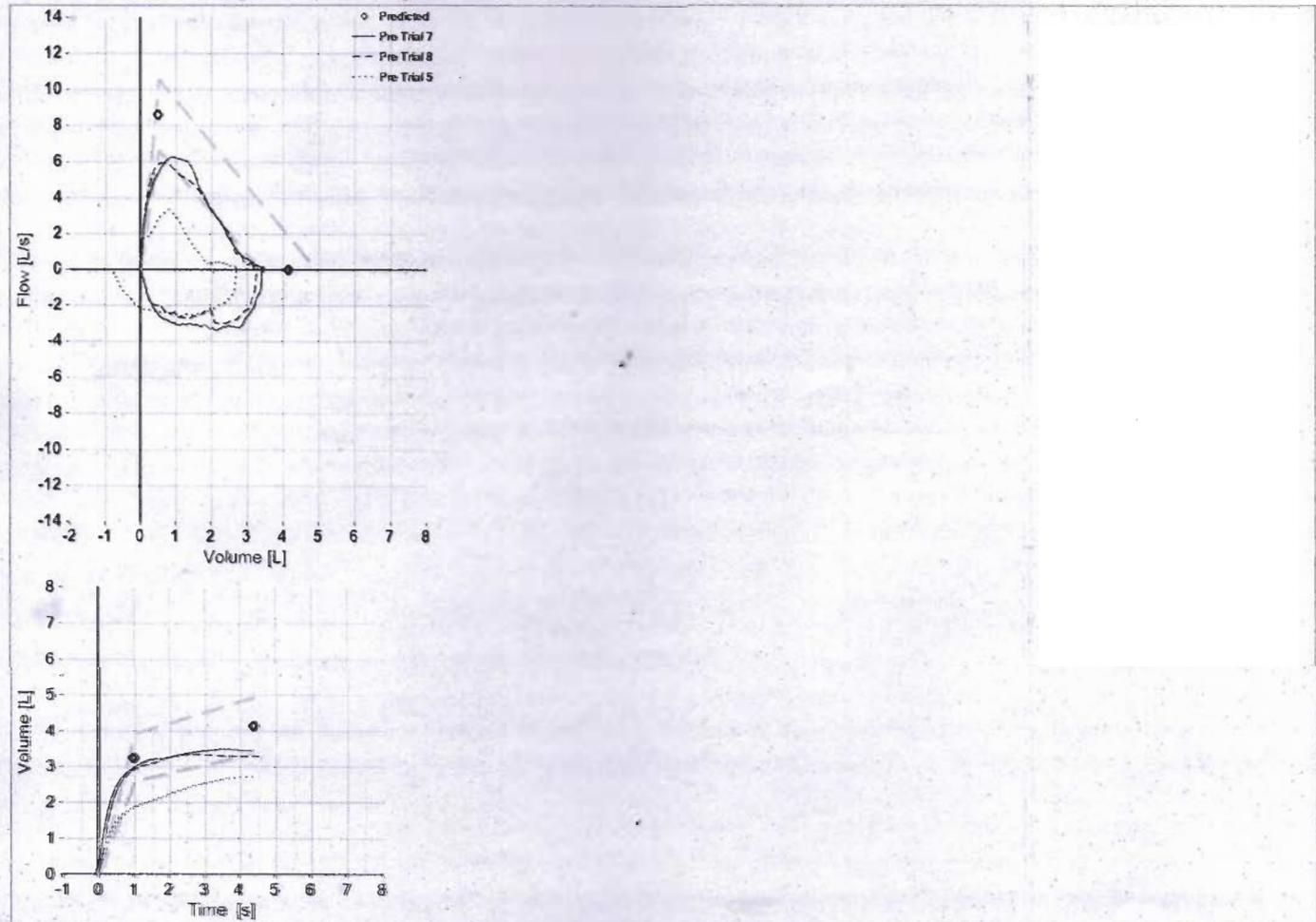
Test Type PFT (Spirometry)  
Test Date 12/28/2019 1:41:04 PM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 91%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 7	Trial 8	Trial 5	
FVC [L]	4.14	3.36	3.49	3.49	3.34*	2.73*	84
FEV1 [L]	3.25	2.59	2.95	2.95	2.91	1.85*	91
FEV1/FVC	0.779	0.682	0.846	0.846	0.872	0.679*	109
FEF25-75% [L/s]	3.00	1.66	3.52	3.52	3.77	1.02*	117
PEF [L/s]	8.61	6.67	6.75	6.29*	5.94*	3.37*	78
FET [s]	--	--	3.5	3.5	2.7	4.2	--
FIVC [L]	4.14	3.36	3.51	3.44	3.23*	3.51	85
PIF [L/s]	--	--	3.40	3.40	3.04	2.62	--
System Quality	Pre	C (FEV1 Var=0.04L (1.5%); FVC Var=0.15L (4.4%))					
System Interpretation	Pre	Normal Spirometry					

\* Indicates below LLN or significant post change.



Last Reviewer 3 12/28/2019

ndd Medizintechnik AG  
Easy on-PC (1.7.8.4) (en) / PC-Sensor (2.0.0.0)  
SN 23138



**Narayana Superspeciality Hospital**  
(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85110KA2000PTC027487  
Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099  
Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031. Assam  
Mob: +91 8311 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

Name : Mr. Ratiram Boro	Age : 49 Years
Sex : Male	MRN : 17550000162256
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
**MD, Radio Diagnosis**  
**Consultant Radiologist**

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



PATIENT HELPLINE  
**186-0208-0208**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Nath, Mr. Digambar  
ID 0000162254  
Age 35  
Height 176 cm  
Weight 58 kg BMI 18.7  
Gender Male  
Ethnicity Indian (+)

**Test Information**

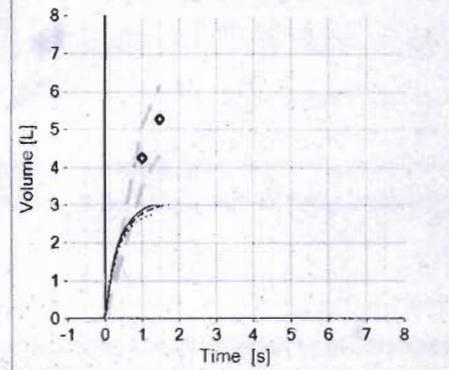
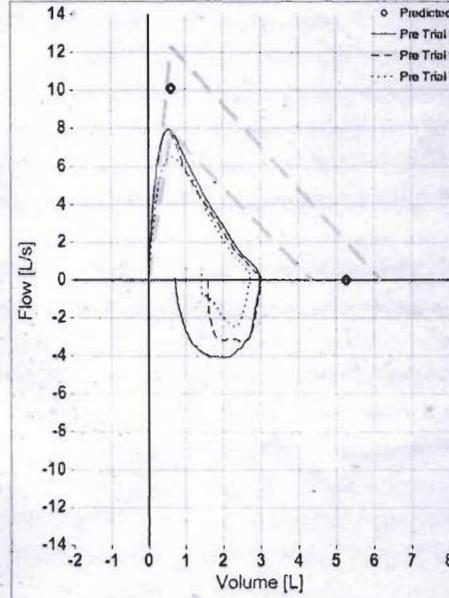
Test Type PFT (Spirometry)  
Test Date 12/28/2019 1:38:20 PM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 67%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 5	Trial 6	Trial 7	
FVC [L]	5.27	4.36	3.02*	2.98*	3.02*	2.73*	57
FEV1 [L]	4.25	3.48	2.86*	2.86*	2.77*	2.64*	67
FEV1/FVC	0.808	0.711	0.950	0.961	0.918	0.967	118
FEF25-75% [L/s]	4.16	2.59	4.03	4.03	3.55	3.88	97
PEF [L/s]	10.09	7.82	7.95	7.95	7.87	6.52*	79
FET [s]	-	-	1.5	1.5	1.7	1.3	-
FIVC [L]	5.27	4.36	3.07*	2.25*	1.41*	1.29*	58
PIF [L/s]	-	-	5.82	4.10	3.28	2.47	-
Session Quality	Pre	A (FEV1 Var=0.10L (3.4%); FVC Var=0.03L (1.2%))					
System Interpretation	Pre	Restriction probable; further examination recommended					

\* Indicates below LLN or significant post change.



Last Reviewer 3 12/28/2019



Name : Mr. Digambar Nath	Age : 35 Years
Sex : Male	MRN : 17550000162254
Refd. By: External	Date : 28.12.2019

**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.

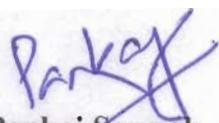
Both domes of the diaphragm are normal in position and contour.

Both costophrenic angles are clear.

Soft tissue and bony cages are unremarkable.

**IMPRESSION: No significant abnormality.**

**Dr. Sajid Hussain**  
**MD, Radio Diagnosis**  
**Consultant Radiologist**

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



PATIENT HELPLINE  
**186-0208-0208**

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**Patient Information**

Name: Ali, Mr. Ramjan  
ID: 0000162230  
Age: 25  
Height: 176 cm  
Weight: 73 kg BMI: 23.6  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

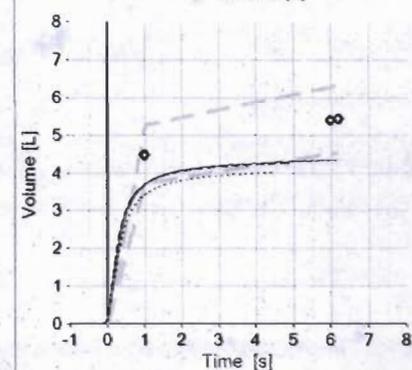
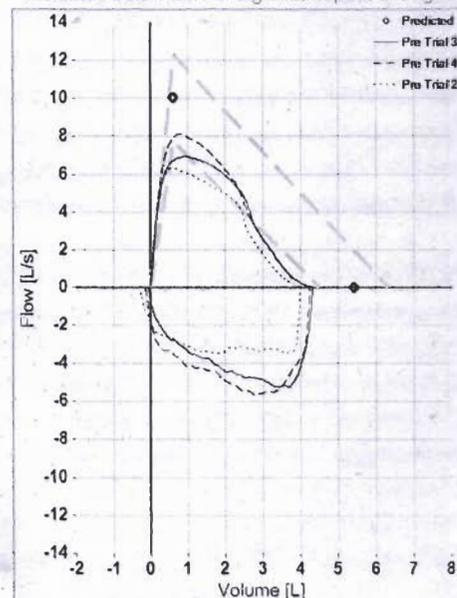
Test Type: FVC (Exp/Inp)  
Test Date: 12/28/2019 1:28:20 PM  
Post Time:  
Interpretation: GOLD (2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 82%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 3	Trial 4	Trial 2	
FVC [L]	5.43	4.52	4.34*	4.34*	4.26*	4.01*	80
FEV1 [L]	4.49	3.72	3.69*	3.68*	3.69*	3.40*	82
FEV1/FVC	0.829	0.732	0.851	0.848	0.867	0.848	103
FEF25-75% [L/s]	4.66	3.09	4.39	4.39	4.63	3.97	94
PEF [L/s]	10.04	7.77	8.10	6.92*	8.10	6.34*	81
FET [s]	-	-	6.2	6.2	4.9	4.5	-
FIVC [L]	5.43	4.52	4.39*	4.37*	4.39*	4.27*	81
PIF [L/s]	-	-	5.68	5.27	5.68	3.48	-
Session Quality	Pre	A (FEV1 Var=0.01L (0.4%); FVC Var=0.08L (1.8%))					
System Interpretation	Pre	Restriction probable, further examination recommended					

\* Indicates below LLN or significant post change.



Name : Mr. Ramjan Ali	Age : 25 Years
Sex : Male	MRN : 17550000162230
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
**MD, Radio Diagnosis**  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: L85140KA2000PTC027497

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

Hospital Address: Near Tolaram Bafna medical complex, Amingaoan, Guwahati 781031, Assam

Mob: +91 8811 003030 Email: guwahati@nrahospitals.org, www.narayanahhealth.org

**Patient Information**

Name: Daimary, Mr. Pramod  
ID: 0000162228  
Age: 45  
Height: 171 cm  
Weight: 79 kg BMI: 27.0  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

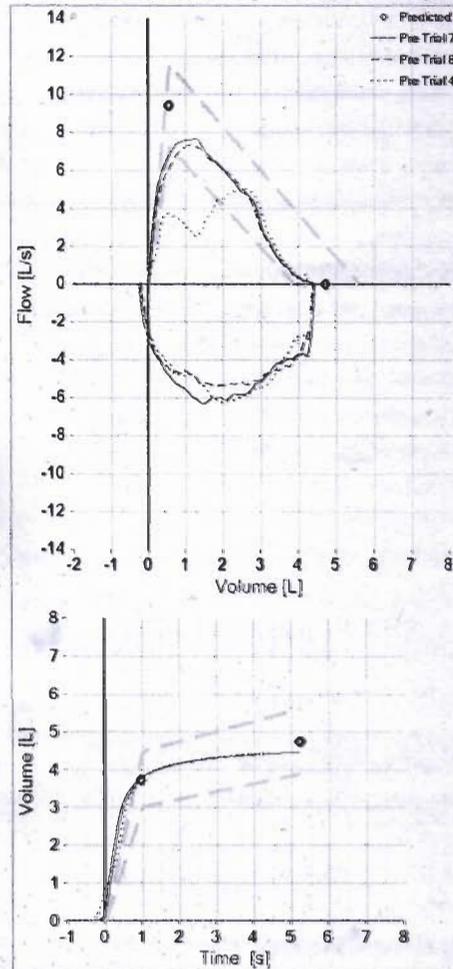
Test Type: PFT (Spirometry)  
Test Date: 12/28/2019 1:35:37 PM  
Post Time:  
Interpretation: GOLD (2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

**Test Result**

Your FEV1 / Predicted: 101%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 7	Trial 8	Trial 4	
FVC [L]	4.74	3.88	4.45	4.45	4.41	4.43	94
FEV1 [L]	3.74	3.01	3.77	3.77	3.76	3.74	101
FEV1/FVC	0.787	0.690	0.846	0.846	0.853	0.843	107
FEF25-75% [L/s]	3.48	2.00	4.65	4.65	4.63	3.74	134
PEF [L/s]	9.44	7.30	7.66	7.66	7.33	5.08*	81
FET [s]	-	-	5.2	5.2	4.6	4.4	-
FIVC [L]	4.74	3.88	4.68	4.68	4.58	4.66	99
PIF [L/s]	-	-	6.60	6.33	5.39	6.29	-
Session Quality	Pre	A (FEV1 Var=0.00L (0.1%); FVC Var=0.02L (0.4%))					
System Interpretation	Pre	Normal Spirometry					

\* Indicates below LLN or significant post change.



Last Reviewer: 3 12/28/2019

ndd Medizintechnik AG  
Early on-PC [1.7.6.4] (r11) / PC-Sensor [2.0.0.0]  
SN 218138



PATIENT HELPLINE  
186-0208-0208

Narayana Superspeciality Hospital  
(a Unit of Narayana Hrudayalaya Limited)

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Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099  
Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031, Assam  
Mob: +91 8811 003030, Email: guwahati@nhhospitals.org, www.narayanahealth.org

Name : Mr. Pramod Daimary	Age : 45 Years
Sex : Male	MRN : 17550000162228
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
**MD, Radio Diagnosis**  
Consultant Radiologist



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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name: Boniya, Mr. Robin  
ID: 0000162227  
Age: 33  
Height: 183 cm  
Weight: 69 kg BMI: 20.6  
Gender: Male  
Ethnicity: Indian (+)

**Test Information**

Test Type: PFT (Spirometry)  
Test Date: 12/28/2019 1:33:00 PM  
Post Time:  
Interpretation: GOLD(2008)/Hardie  
Predicted: NHANES III \* 1.00  
Value Selection: Best Value  
BTPS (IN/EX): 1.12/1.02

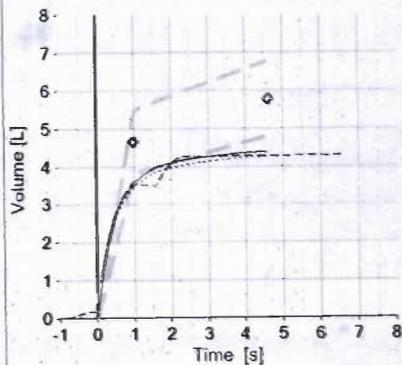
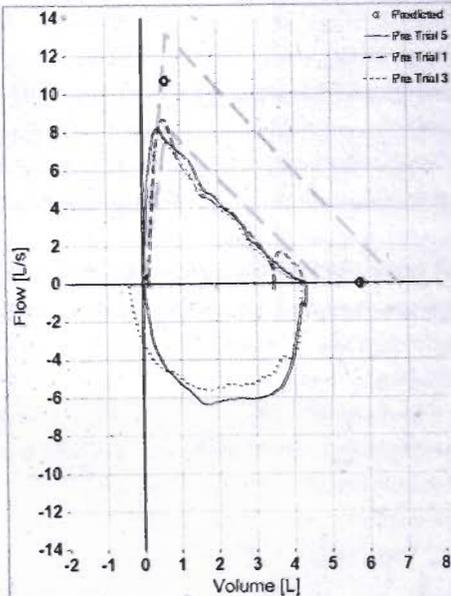
**Test Result**

Your FEV1 / Predicted: 77%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 5	Trial 1	Trial 3	
FVC [L]	5.78	4.79	4.37*	4.37*	4.28*	4.25*	76
FEV1 [L]	4.66	3.82	3.59*	3.55*	3.50*	3.44*	77
FEV1/FVC	0.812	0.715	0.821	0.813	0.818	0.810	101
FEF25-75% [L/s]	4.52	2.82	3.41	3.41	3.58	3.26	76
PEF [L/s]	10.72	8.27	8.74	8.23*	8.74	8.20*	82
FET [s]	-	-	4.6	4.6	5.9	4.7	-
FIVC [L]	5.78	4.79	4.61*	4.34*	-	4.61*	80
PIF [L/s]	-	-	6.39	6.39	-	5.64	-

Session Quality: Pre A (FEV1 Var=0.03L (0.9%); FVC Var=0.10L (2.2%))  
System Interpretation: Pre Restriction probable: further examination recommended

\* Indicates below LLN or significant post change



Last Reviewer: 3/12/28/2019

ndd Medizintechnik AG  
Easy on-PC [1.7.6.4] (en) / PC-Sensor [2.0.0.0]  
SN 218188



PATIENT HELPLINE  
186-0208-0208

**Narayana Superspecialty Hospital**

(a Unit of Narayana Hrudayalaya Limited)

(Previously Narayana Hrudayalaya Pvt. Ltd.) CIN No.: LB5110KA2000PTC027497

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Hospital Address: Near Tolaram Bafna medical complex, Amingaon, Guwahati 781031. Assam

Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

Name : Mr. Robin Boniya	Age : 33 Years
Sex : Male	MRN : 17550000162227
Refd. By: External	Date : 28.12.2019

**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. Sajid Hussain**  
**MD, Radio Diagnosis**  
**Consultant Radiologist**

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



**PATIENT HELPLINE**  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org

**Patient Information**

Name Aziz, Mr. Abdul  
ID 0000162226  
Age 25  
Height 166 cm  
Weight 60 kg BMI 21.8  
Gender Male  
Ethnicity Indian (+)

**Test Information**

Test Type PFT (Spiro)  
Test Date 12/28/2019 1:30:34 PM  
Post Time  
Interpretation GOLD(2008)/Hardie  
Predicted NHANES III \* 1.00  
Value Selection Best Value  
BTPS (IN/EX) 1.12/1.02



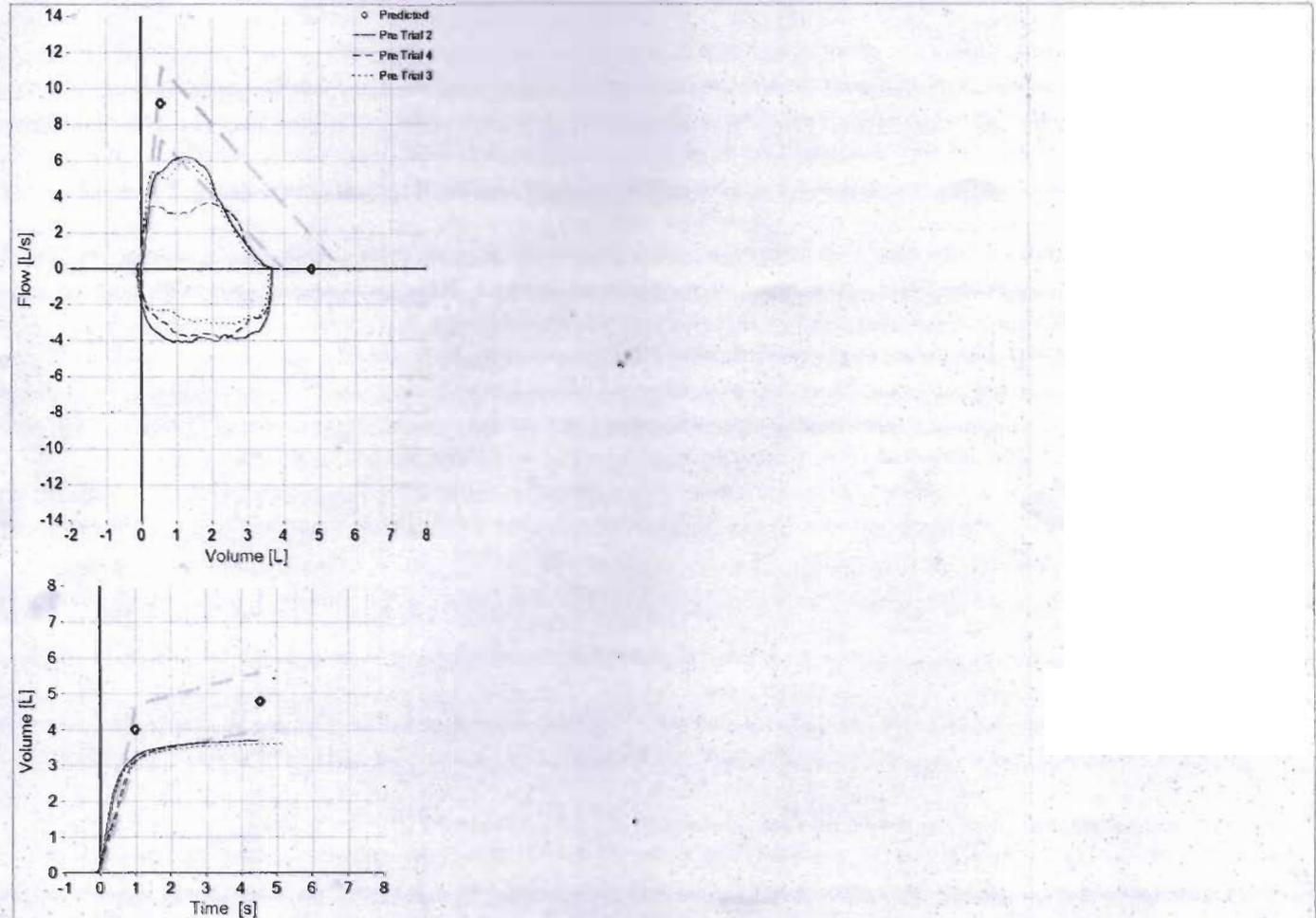
**Test Result**

Your FEV1 / Predicted: 81%

Parameter	Pred	Pre					%Pred
		LLN	Best	Trial 2	Trial 4	Trial 3	
FVC [L]	4.79	3.98	3.69*	3.69*	3.69*	3.61*	77
FEV1 [L]	4.00	3.32	3.24*	3.24*	3.09*	3.12*	81
FEV1/FVC	0.829	0.732	0.876	0.876	0.839	0.863	106
FEF25-75% [L/s]	4.30	2.91	4.13	4.13	3.26	4.00	96
PEF [L/s]	9.19	7.17	6.21*	6.21*	3.66*	6.02*	68
FET [s]	-	-	4.5	4.5	4.4	5.2	-
FIVC [L]	4.79	3.98	3.81*	3.81*	3.75*	3.80*	79
PIF [L/s]	-	-	4.24	4.10	3.88	3.09	-

Session Quality Pre A (FEV1 Var=0.03L (0.8%); FVC Var=0.01L (0.1%))  
System Interpretation Pre Restriction probable; further examination recommended

\* Indicates below LLN or significant post change.



Last Reviewer 3 12/28/2019



Name : Mr. Abdul Aziz	Age : 25 Years
Sex : Male	MRN : 17550000162226
Refd. By: External	Date : 28.12.2019

**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.

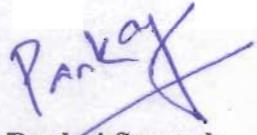
Both domes of the diaphragm are normal in position and contour.

Both costophrenic angles are clear.

Soft tissue and bony cages are unremarkable.

**IMPRESSION:** No significant abnormality.

**Dr. Sajid Hussain**  
MD, Radio Diagnosis  
Consultant Radiologist

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



PATIENT HELPLINE  
**186-0208-0208**

**Narayana Superspeciality Hospital**

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Mob: +91 8811 003030 Email: guwahati@nhhospitals.org, www.narayanahealth.org



## **ANNEXURE-VI ONLINE STACK EMISSION REPORT**

# TOPCEM INDIA Gauripur

## ONLINE OPACITY METER READING MONTH WISE

### APR,2020

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	Data not Available		

### MAY,2020

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	Data not Available		

### JUN,2020

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	13.30	0.10	16.40

### JUL,2020

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	14.56	2.5	15.4

### AUG,2020

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	15.39	0.10	16.40

### SEP,2020

<u>Date</u>	<u>Average</u>	<u>Min</u>	<u>Max</u>
Monthly	15.56	3.36	16.28

**ANNEXURE-VII**  
**Expenditure on Environment Management  
and pollution control norms  
April 2020- September 2020**

TOPCEM INDIA

VILL. & P.O. - GOURIPUR, AMINGAON, NORTH-GUWAHAT, ASSAM.

Sl no	BAG FILTER REPORT		POWER CONSUMPTION / COST					FY-2020-21 ( From May 20 to Sep 20 )		
			MOTOR TAG.	MOTOR RATING / KW	AVG. RUN HRS / DAY	RUNNING KW	KWH / DAY	KWH / MONTH	AVG. UNIT RATE	AMOUNT
1	BAG FILTER LOCATION	TRUCK TRIPPLER	491 FN1	15	8	11	88	2640	6.37	16816.8
	BAG FILTE CODE	491 BF1								
	BAG LENGTH	3660 MM								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	72 NOS								
	FLOW CAPACITY	10000 (AM <sup>3</sup> /HR)								
2	BAG FILTER LOCATION	TRUCK TRIPPLER	491 FN2	15	8	11	88	2640	6.37	16816.8
	BAG FILTE CODE	491 BF2								
	BAG LENGTH	3660 MM								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	72 NOS								
	FLOW CAPACITY	10000 (AM <sup>3</sup> /HR)								
3	BAG FILTER LOCATION	CLINKER STORAGE SILO TOP.	491 FN3	15	8	11	88	2640	6.37	16816.8
	BAG FILTE CODE	491 BF3								
	BAG LENGTH	3660 MM								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	72 NOS								
	FLOW CAPACITY	10000 (AM <sup>3</sup> /HR)								
4	BAG FILTER LOCATION	CLINKER EXTRACTION BELT CONVEYOR S11 B	511 FN1	18.5	8	13	104	3120	6.37	19874.4
	BAG FILTE CODE	511 BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø.								
	TOTAL NO OF BAGS	96 NOS.								
	FLOW CAPACITY	12000 (AM <sup>3</sup> /HR)								
5	BAG FILTER LOCATION	GYPSPUM STORAGE SHED.	K21FN1	9.3	6	7.3	43.8	1314	6.37	8370.18
	BAG FILTE CODE	K21 BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	36 NOS.								
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)								
6	BAG FILTER LOCATION	GYPSPUM CRUSHRE HOUSE.	K21FN2	15	6	11	66	1980	6.37	12612.6
	BAG FILTE CODE	K21 BF2								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	72 NOS.								
	FLOW CAPACITY	10000 (AM <sup>3</sup> /HR)								
7	BAG FILTER LOCATION	CEMENT MILL HOPPER.	531 FN1	22	8	14.6	116.8	3504	6.37	22320.48
	BAG FILTE CODE	531 BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	112 NOS.								
	FLOW CAPACITY	15000 (AM <sup>3</sup> /HR)								
8	BAG FILTER LOCATION	CEMENT MILL HOPPER WEIGH FEEDER.	531 FN2 / VVFD	22	10	11	110	3300	6.37	21021
	BAG FILTE CODE	531 BF2								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	112 NOS.								
	FLOW CAPACITY	15000 (AM <sup>3</sup> /HR)								
9	BAG FILTER LOCATION	CEMENT MILL HOUSE.	561 FN5 / VVFD	22	10	14.6	146	4380	6.37	27900.6
	BAG FILTE CODE	561 BF2								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	112 NOS.								
	FLOW CAPACITY	15000 (AM <sup>3</sup> /HR)								
10	BAG FILTER LOCATION	CEMENT MILL HOUSE.	561 FN4 / VVFD	110	10	9.75	97.5	2925	6.37	18632.25
	BAG FILTE CODE	561 BF1								
	BAG LENGTH	3665 MM.								
	BAG DIA	149Ø								
	TOTAL NO OF BAGS	396 NOS.								
	FLOW CAPACITY	41000 (AM <sup>3</sup> /HR)								
11	BAG FILTER LOCATION	STEEL SILO TOP.	591 FNF	9.3	12	7.3	87.6	2628	6.37	16740.36
	BAG FILTE CODE	591 BF3								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	36 NOS.								
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)								
12	BAG FILTER LOCATION	STEEL SILO - 2	591 FN J	9.3	12	7.3	87.6	2628	6.37	16740.36
	BAG FILTE CODE	591BF-4								
	BAG LENGTH	1500								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	28 NOS								
	FLOW CAPACITY	8000 (AM <sup>3</sup> /HR)								
13	BAG FILTER LOCATION	RCC CEMENT SILO TOP.	591 FND	15	12	11	132	3960	6.37	25225.2
	BAG FILTE CODE	591 BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	36 NOS.								
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)								
14	BAG FILTER LOCATION	AIR SLIDE DEDUSTING	611 FN6	9.3	12	7.3	87.6	2628	6.37	16740.36
	BAG FILTE CODE	611 BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	36 NOS.								
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)								
15	BAG FILTER LOCATION	AIR SLIDE DEDUSTING	611 FNG	9.3	12	7.3	87.6	2628	6.37	16740.36
	BAG FILTE CODE	611 BF3								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	36 NOS.								
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)								
16	BAG FILTER LOCATION	AIR SLIDE DEDUSTING	611 FNH	9.3	12	7.3	87.6	2628	6.37	16740.36
	BAG FILTE CODE	611 BF4								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	36 NOS.								
	FLOW CAPACITY	5000 (AM <sup>3</sup> /HR)								
17	BAG FILTER LOCATION	PACKER DEDUSTING	661 FN1	18.5	12	13	156	4680	6.37	29811.6
	BAG FILTE CODE	661 BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	160Ø								
	TOTAL NO OF BAGS	96 NOS.								
	FLOW CAPACITY	12000 (AM <sup>3</sup> /HR)								

	FLOW CAPACITY	12000 (AM <sup>3</sup> /HR)								
18	BAG FILTER LOCATION	PACKER DEDUSTING	661 FN2 / VVFD	30	12	20	240	7200	6.37	45864
	BAG FILTE CODE	661 BF2								
	BAG LENGTH	3660 MM.								
	BAG DIA	1600								
	TOTAL NO OF BAGS	144 NOS.								
	FLOW CAPACITY	20000 (AM <sup>3</sup> /HR)								
19	BAG FILTER LOCATION	PACKER DEDUSTING	662 FN1	18.5	12	13	156	4680	6.37	29811.6
	BAG FILTE CODE	662 BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	1600								
	TOTAL NO OF BAGS	96 NOS.								
	FLOW CAPACITY	12000 (AM <sup>3</sup> /HR)								
20	BAG FILTER LOCATION	PACKER DEDUSTING	662 FN2/ VVFD	30	12	20	240	7200	6.37	45864
	BAG FILTE CODE	662 BF2								
	BAG LENGTH	3660 MM.								
	BAG DIA	1600								
	TOTAL NO OF BAGS	144 NOS.								
	FLOW CAPACITY	20000 (AM <sup>3</sup> /HR)								
21	BAG FILTER LOCATION	FLYASH STEEL SILO	541 FN1	15	8	7.5	60	1800	6.37	11466
	BAG FILTE CODE	541BF1								
	BAG LENGTH	3660 MM.								
	BAG DIA	1600								
	TOTAL NO OF BAGS	36 NOS.								
	FLOW CAPACITY	7500 (AM <sup>3</sup> /HR)								
22	BAG FILTER LOCATION	FLYASH STEEL SILO	541 FN2 /VVFD	7.5	8	2.5	20	600	6.37	3822
	BAG FILTE CODE	541BF2								
	BAG LENGTH	1500 MM								
	BAG DIA	1600								
	TOTAL NO OF BAGS	18 NOS.								
	FLOW CAPACITY	600 (AM <sup>3</sup> /HR)								
23	STP			13.4	4	10	40	1200	6.37	7644
<b>TOTAL KWH / MONTH</b>								<b>72903</b>	<b>6.37</b>	<b>464392.11</b>
<b>TOTAL KWH / YEAR</b>								<b>364515</b>	<b>6.37</b>	<b>2321960.55</b>

( From May 20 to Sep 20 )

N.B: Due to covid -19 pandemic situation whole plant was stopped in the month of April 2020.

Enviroment Testing Cost 2020-2021(April to September 20)				
Sl no	Date	Item Name	Unit	Amount in Rupees
1	8-Jun-20	BEAKER 250 ML WITH SPOUT	6No	387.00
2	8-Jun-20	BEAKER 500 ML WITH SPOUT	6No	607.50
3	8-Jun-20	CONICAL FLASK 250ML CAPACITY	6No	607.50
4	26-May-20	EDTA DI SODIUM SALT AR	500gm	1,170.00
5	26-May-20	ETHYLENE GLYCOL	10ml	4,656.00
6	26-May-20	SODIUM CARBONATE	10000gm	4,920.00
7	30-Sep-20	SODIUM HYDROXIDE	2500gm	1,080.00
			<b>Total</b>	<b>13428</b>

Enviroment PPE's Costing 2020-2021(April to September 20)				
Sl no	Date	Item Name	Unit	Amount in Rupees
1	April to September 2020	SAFETY GOGGLES (WHITE)	26No	520
2		SAFETY GOGGLES BLACK	7No	157
3		COTTON HAND GLOVES	69PAA	1072
4		SAFETY SHOE	115PAA	92274
5		UMBRELLA	117PAA	24833
6		SAFETY HELMET	21No	2749
			<b>Total</b>	<b>121605</b>

TOPCEM INDIA								
STP ANNUAL MAINTENANCE COST FOR THE YEAR -2020								
DATE: 22.10.2020								
SL NO	MATERIAL DETAILS	QTY	MONTH/ YEAR	TOTAL	UOM	COSTING	TOTAL COSTING	REMARKS
1	ALUM (FITKARI)	20	5	100	KGS	21.24	2124	FOR 4 HOURS RUNNING PER DAY AND 10 KG USE IN FORTNIGHT
2	LIME	20	5	100	KGS	19.00	1900.00	FOR 4 HOURS RUNNING PER DAY AND 10 KG USE IN FORTNIGHT
3	POWER CONSUMPTION PER YEAR			4565.52	KW	7.00	31958.64	WORKING 153 DAYS 5 MONTH
<b>TOTAL COSTING</b>							<b>35982.64</b>	

Plant stop due to covid-19 pandemic april -2020

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



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**ABC TECHNO LABS INDIA PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

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

for its facilities at

ABC TOWER, NO:400,13TH STREET, SIDCO INDUSTRIAL ESTATE-NORTH PHASE, AMBATTUR,  
CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

in the field of

**TESTING**

Certificate Number: TC-5770

Issue Date: 03/04/2020

Valid Until:

02/04/2022

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer