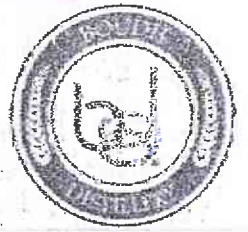


opc



Letter No – BDPL/06/24-22

24th May, 2022

To,
The Additional Principal Chief Conservator of Forest
Ministry of Env, Forest and Climate Change, Govt of India
Regional Office (Eastern Zone) , A/3 , Chandrasekharpur
Bhubaneswar - 751023

Sub :- Submission of Six Monthly Environmental Compliance Status Report Period from **Oct, 2021 to Mar, 2022**

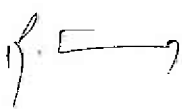
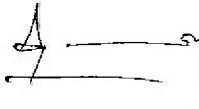

Ref :- Letter No- J-11011/160/2015-IA II (I) dated 28th Oct, 2016

Sir,

With reference to the above subject, we are hereby submitting the 6th monthly compliance report as per the conditions stipulated in the environmental Clearance issued by Ministry of Environment.

We request you to please acknowledge the receipt of the same

Boudh Distillery Private Limited

Ritesh Sahu

Managing Director

CC to :- State Pollution Control Board , Bhubaneswar

Regional Office , SPCB , Sambalpur



BOUDH DISTILLERY PVT. LTD.

Head Office: Plot No- C - 84, Palashpalli, Airport Area, Bhubaneswar - 751020 , India, Contact: +91-674-2593590

Plant: Titerikata, PO-Ramvikata, Tehsil-Harbhanga, Dist.-Boudh - 762024, Odisha, India, Contact: +91-6841-222100

Field Office: Gunjan Apartments 11, Palm Avenue, Flat 1C Ballygunge, Kolkata-700019, India, CIN: U15311WB2008PTC131544

www.boudhdistillery.com info@boudhdistillery.com

Six Monthly Environmental Compliance Report
of Conditions of Environmental Clearance

(October,2021 to Mar 2022)

of

M/s Boudh Distillery Pvt Ltd

Village: Ramvikata, P.O. Titerikata,

Tehsil: Harbhanga, Distt: Boudh,

Odisha, Pin-762024

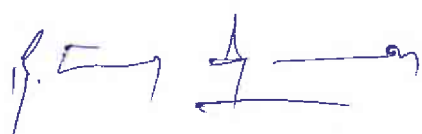
For Submission to:

Ministry of Environment, Forest And

Climate Change (MoEF and CC) Regional
Office (Easter Zone), A/3, Chandrasekharpur,

Bhubaneswar-751023, ODISHA

Submitted by: M/s Boudh Distillery Pvt Ltd





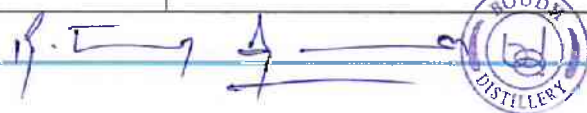
Compliance to the conditions stipulated in the Environmental Clearance issued by Ministry of Environment, Forest & Climate Change vide letter no. J- 11011/16012015-IA II(I) dated 28th October 2016 for Grain Based Distillery plant (2x60) KLD along with co-generation Power plant (2x2.5) MW to Boudh Distillery Pvt Ltd. at Village- Titerikata, Post-Ramvikata, Tehsil- Harbhanga, District- Boudh, Odisha- 762024.

A. SPECIFIC CONDITIONS- PERIOD OF REPORT:
OCT, 2021 TO MAR, 2022

Sl. No.	Specific conditions	Compliance
i)	ESP along with stack of adequate height shall be provided to coal/biomass fired boiler to control particulate emission within 50 mg/Nm ³	We do here by confirm that ESP having 04 nos. field along stack of height 45 mtr to coal/biomass fired Boiler has been provided to control particulate Emission within 50 mg/Nm ³
ii)	Total fresh water requirement of 1200 M ³ / Day will meet from Mahanadi water supply. No ground water shall be Extracted.	We do here by confirm that total fresh water requirement of 1200 M ³ / Day will be met from Mahanadi only. We also confirm that no ground water will be used for our Process purpose.
iii)	Spent wash generation from grain based distillery shall not exceed 6 kl/kl of alcohol. Spent wash shall be treated through decanter and concentrated in Multi-Effect Evaporator (MEE) to form DWGS. DWGS will be sent to Dryer to form DDGS. The condensate spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment. Treated effluent will be used for make-up water for Cooling Towers and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and Recycle/Re-use.	<u>Noted and being Complied.</u> The spent wash generation from distillery is also 6kl/kl of Alcohol. Spent wash is passing through decanter and concentrated in Multi-Effect Evaporator (MEE) to form DWGS. DDGS is getting from DWGS after passing through Dryer. The Condensate and lees are also recycled and again send back to process. The Effluent is being treated in ETP and it is used further as make-up water in different cooling towers. Annexure-I: Pictures of ETP & Cooling Towers
iv)	Spent wash shall be stored in SS tank. The storage of spent wash shall not exceed for 5 days' capacity	Already installed SS Tank for spent wash. Capacity of spent wash Tank is 280 m ³ volume.



Sl. No.	Specific conditions	Compliance
v)	As proposed, no effluent from distillery shall be discharged outside the plant premises and zero discharge shall be adopted. Water consumption shall be reduced by adopting 3R'S (Reduce, Reuse and Recycle) concept in the process.	We do here by confirm that, no effluent from distillery is discharged outside the plant premises and Zero Liquid Discharge (ZLD) practice is maintained. We have taken necessary steps to reduce the water consumption by adopting 4 R'S (Reduce, Reuse, Recycle and Recover).
vi)	Process effluent/any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	We do here by confirm the Distillery process effluent/ any waste water is never mixed with storm water. Storm water is being passed through guard pond.
vii)	Adequate numbers of ground water monitoring stations by providing piezometers around the project area shall be setup. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and his Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolved Solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhubaneswar and SPCB.	We are not using the ground water in the process plant. Hence, we have not installed Piezometers.
viii)	Continuous online monitoring (24x7) system to be installed within treatment plant and data to be uploaded to Company's web site and also provided to respective Regional Office of MoEF&CC and concerned SPCB/ CPCB.	Continuous online monitoring (24x7) system has been installed within treatment plant and data of treatment plant (ETP) is being transmitted through online system to the server of Odisha state as well as Central Pollution Control Board. Data is being uploaded in company's Web site and also provided to MoEF&CC, Regional Office, Bhubaneswar.
ix)	Bagasse storage shall be done in such a way that it does not get air borne or fly around due to wind.	Not applicable, as there is no Bagasse storage is envisaged in the project. We are using Coal only as main fuel for the boiler.
x)	Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be stored separately.	Boiler ash silo has been installed; ash is stored separately in ash Silo. Also, Proper care is taken to prevent direct exposure of workers to fly ash and its dust. Boiler ash is being sold to authorize Brick manufacturer only. Annexure-II: Picture of Single Ash Silo



Sl. No.	Specific conditions	Compliance
xi)	Fire-Fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for Fire-Fighting shall be made to control fire from the alcohol storage tank. DMP shall be implemented	Fire-fighting system has been installed as per the norms and all area is covered where alcohol is produced, handled and stored. Provision of foam and water sprinkler system for fire-fighting has been made to control fire from the alcohol storage tank/ areas. A DMP (Disaster Management Plan) has been prepared to take care of entire premises Annexure-III: Picture of fire-fighting.
xii)	Occupational health surveillance program shall be undertaken as regular exercise for all the employees. The first Aid Facilities in the occupational health center shall be strengthened and the regular medical test records of each employee shall be maintained separately.	Medical test records of each employee are maintained separately. First Aid Boxes have been provided in entire plant premises at all important location and section wise too. Form 31A - which is related to Employee health record is been maintained for all the employees.
xiii)	Dedicated parking facility for loading and unloading of materials shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	Dedicated parking facility for all heavy vehicles related to loading and unloading of materials has been provided near the factory main gate as outside parking and inside the plant premises, there is also other parking facility for light vehicles. We have also developed good traffic management system for incoming and outgoing vehicles to avoid congestion on the public road and it is also maintained regularly. Annexure-IV: Picture of parking area
xiv)	As proposed, green belt over 12 acre of the total project area shall be developed within plant premises with at least 10mtr wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	As proposed, green belt of 12 acre of the total project area has been developed within plant premises and more plantations are still in progress with at least 10-mtr wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species has been done as per the CPCB guidelines in consulting with the DFO, Boudh district. Annexure-V: Picture of green belt
xv)	All the commitments made during the public Hearing/ public consultation meeting held on 11 th March, 2016 shall be satisfactorily implemented and adequate; budget provision shall be made accordingly.	Noted and being complied. This is ongoing process, regularly by company's management.





Sl. No.	Specific conditions	Compliance
xvi)	At least 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs particularly village named Ramivikata and Titerikata and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.	Noted and this is ongoing process and being complied regularly in nearby villages.

B. GENERAL CONDITIONS:

Sl. No.	General Conditions	Compliance
i.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Noted and being Complied. As per guidelines accordingly. We are complying with the stipulations made by SPCB, Central Government and other statutory authorities to the best of our efforts.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted and being complied regularly.
iii.	The locations of Ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Noted and being complied. NABL Accredited laboratory has been given contract already for certification of Ambient Air quality report on monthly basis. This report is being submitted on monthly basis to OSPCB State Office, Bhubaneswar and Regional Office, Sambalpur. Sample copy of the report is Attached at the last



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Sl. No.	General Conditions	Compliance
iv.	The overall noise levels in and around the plant area shall be kept well within the standards 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 Environment (protection) Act,1986 Rules, 1989 viz. 75 dBA (day time)and 70 dBA (night time)	We are regularly measuring as well as maintaining noise level within the limit. Also submit reports in monthly basis to OSPCB.
v.	The company shall harvest rain Water fromthe roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Noted and being complied. Twelve Nos. of rain water harvesting pit have been implemented at our factory to recharge the ground water.
vi.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Noted and being Complied. Training on Health and Safety aspect is being conducted periodically and records are maintained. Annexure-VI: Picture of Health and Safety Training
vii.	Usage of Personal Protection Equipment's (PPE's) by all employees/workers shall be ensured.	Noted and being complied. We have provided all kind of PPEs like safety shoes, safety helmets, safety belt, hand gloves, safety goggles, nose mask, ear muffs and Proximity suits etc.
viii.	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/ EMP in respect of Environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Noted and being complied. All measures have been taken like – 1. We have setup Effluent Treatment Plant (ETP) which is fully operational. 2. Electro Static Precipitator (ESP) is ins-tailed for abatement of air pollution. 3. Not using ground water for production. 4. Distillery spent wash is processed to make as cattle feed (DDGS) and sold as by product. 5. Three layers of sapling planted in the total boundary area for green belt. 6. Online Continuous Emission Monitoring Systems (OCEMS) are installed as well as data is being transferred to CPCB as well as SPCB.

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Sl. No.	General Conditions	Compliance
ix.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Noted and we have also taken initiatives to provide drinking mineral water facility in nearby schools, temples and medical center. We have also entered into agreement with local society for providing scholarship (BIDWAN) to meritorious students in nearby schools. We have also distributed school bags to the students at nearby schools.
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Noted and this is ongoing process and being complied without any failure.
xi.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be setup to carry out the environmental Management and Monitoring functions.	Noted and Complied. Environment management committee has been framed to carry out the environmental management and monitoring system. We have setup a laboratory to check the parameters in Effluent like pH, COD, BOD, TSS, TDS, Conductivity, VA-Fatty Acid, Alkaline, Acidity, Hardness, Silica and Turbidity etc. Environmental Management cell is headed by our plant head. Meanwhile we are also giving training to our employees for in house management and monitoring of environmental parameters. We are also providing trainings to our employees by Environment Experts from outside for securing in house management and monitoring of Environment. Annexure-VII: Picture of ETP Lab
xii.	As proposed, the company shall earmark sufficient funds towards capital cost and recurring cost/ annum to implement the conditions stipulated by the ministry of Environment and Forests as well as State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked, for Environment management/pollution control measures shall not be diverted for any other purpose.	Capital cost for Environment protection for the complete project is Rs. 13.0 Crores.
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned panchayat, Zile parisad/ Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/representations, if any, were received while processing the proposal.	Noted and Complied.





Sl. No.	General Conditions	Compliance
xiv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both are hard copy as well as by e-mail) to the respective Regional Office of MoEF, The respective Zonal Office of CPCB and the State Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Noted and being complied.
xv.	The Environmental Statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted 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 Clearance conditions and shall also be sent to the respective regional Office of MoEF by e-mail.	Noted and being complied.
xvi.	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/ Committee and may also be seen at website of the Ministry at http:envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least 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 shall be forwarded to the concerned Regional Office of the Ministry.	Advertisement had been given in the two local newspapers namely THE TELEGRAPH (English) and NITIDIN (Oriya) on 14.11.2016
xvii.	The 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 start of the project.	Noted and Being Complied.

Annexure-I: Pictures of ETP & Cooling Towers



Annexure-II: Picture of Single Ash Silo



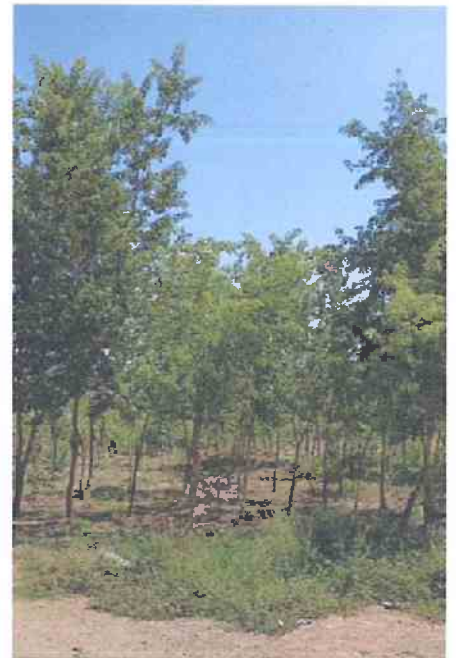
Annexure-III: Picture of fire-fighting



Annexure-IV: Picture of parking area



Annexure-V: Picture of green belt



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Annexure-VI: Picture of Health and Safety Training



Annexure-VII: Picture of ETP Lab



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CENTRE FOR ENVOTECH AND MANAGEMENT CONSULTANCY PVT. LTD.

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Accredited by NABET, QCI for EIA Studies as 'A' Category Consultant Organization. Empanelled with PCCF(Wildlife) & CWLW, Odisha
Enlisted in Construction Industry Development Council (CIDC) established by the Planning Commission (Govt. of India)
MoEF&CC, Govt. of India, Recognised Environment Laboratory under Environment (Protection) Act, 1986 and NABL Accredited
Laboratory.

Report No. - CEMC/BDPL/010322/A1

Issued Date-01.03.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Name & Address of the Client	M/s. Boudh Distillery Pvt. Ltd., Boudh
Work Order No.	WO21-22/0015
Reference No.	CEMC-01032022A1
Nature of Sampling	Ambient Air Sample
Sampling By	Mr. Bhaktahari Dash
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, CO Meter and Gaseous Attachment
Location of Sampling	Near Pump House & ESP
Sampling Date	24.02.2022

ANALYSIS RESULT

Sl. No.	Items	Unit	Result	*NAAQ Standard	Testing Method
01	Particulate Matter (PM ₁₀)	µg/m ³	71.3	100	Gravimetric method
02	Particulate Matter (PM _{2.5})	µg/m ³	37.9	60	Gravimetric Method as per CPCB
03	Sulphur Dioxide (SO ₂)	µg/m ³	15.6	80	Improved West and Gacke method
04	Oxides of Nitrogen (NO _x)	µg/m ³	18.4	80	Modified Jacob & Hochheiser (Na-Arsenite method)
05	Carbon Monoxide (CO)	mg/m ³	0.57	4.0	Followed by NDIR

*NAAQ (National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification)

End of Report


Authorized Signatory

Notes:

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- This Test Report shall not be reproduced wholly or in part without prior written consent of the laboratory.
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Seal of Laboratory

Environmental Studies (EIA & EMP), Monitoring, Forest Diversions Planning, DPR, Wildlife Management Plan, Hazardous & Safety Studies, RS& GIS, Baseline Survey, Hydrological & Geological Studies, Socio-economic Studies, DGPS & ETS Survey.

Regd. Office: 1st Floor, N-5/305, IRC village, Nayapalli, Bhubaneswar-751015, Odisha, India, Mobile: 9861032826
E-mail: ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in,

Laboratory At: Plot No. 800/1274, Johal, Pahal, Bhubaneswar-752101,

E-mail: cemclab@yahoo.in



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Laboratory.

Report No. - CEMC/BDPL/010322/A2

Issued Date-01.03.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Name & Address of the Client	M/s. Boudh Distillery Pvt. Ltd., Boudh
Work Order No.	WO21-22\0015
Reference No.	CEMC-01032022A2
Nature of Sampling	Ambient Air Sample
Sampling By	Mr. Bhaktahari Dash
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, CO Meter and Gaseous Attachment
Location of Sampling	Near Administrative Building
Sampling Date	24.02.2022

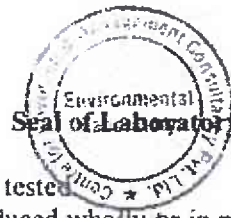
ANALYSIS RESULT

Sl. No.	Items	Unit	Result	*NAAQ Standard	Testing Method
01	Particulate Matter (PM ₁₀)	µg/m ³	63.1	100	Gravimetric method
02	Particulate Matter (PM _{2.5})	µg/m ³	32.9	60	Gravimetric Method as per CPCB
03	Sulphur Dioxide (SO ₂)	µg/m ³	13.5	80	Improved West and Gaeke method
04	Oxides of Nitrogen (NO _x)	µg/m ³	18.4	80	Modified Jacob & Hochheiser (Na-Arsenite method)
05	Carbon Monoxide (CO)	mg/m ³	0.58	4.0	Followed by NDIR

*NAAQ (National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification)

End of Report


Authorized Signatory



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E-mail- ccmc_consultancy@yahoo.co.in, ccmc122@gmail.com, website: www.ccmc.in.

Laboratory At: Plot No. 800/1274, Jhaji, Pahal, Bhubaneswar-752101,

E-mail: ccmc1ab@yahoo.in



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Laboratory.

Report No. - CEMC/BDPL/010322/A3

Issued Date-01.03.2022

AMBIENT AIR QUALITY MONITORING TEST REPORT

Name & Address of the Client	M/s. Boudh Distillery Pvt. Ltd., Boudh
Work Order No.	WO21-22\0015
Reference No.	CEMC-01032022A3
Nature of Sampling	Ambient Air Sample
Sampling By	Mr. Bhaktahari Dash
Instrument Used	Respirable Dust Sampler, Fine Dust Sampler, CO Meter and Gaseous Attachment
Location of Sampling	Near Main Gate
Sampling Date	24.02.2022

ANALYSIS RESULT

Sl. No.	Items	Unit	Result	*NAAQ Standard	Testing Method
01	Particulate Matter (PM ₁₀)	µg/m ³	73.2	100	Gravimetric method
02	Particulate Matter (PM _{2.5})	µg/m ³	38.4	60	Gravimetric Method as per CPCB
03	Sulphur Dioxide (SO ₂)	µg/m ³	15.1	80	Improved West and Gaeke method
04	Oxides of Nitrogen (NO _x)	µg/m ³	19.3	80	Modified Jacob & Hochbeiser (Na-Arsenite method)
05	Carbon Monoxide (CO)	mg/m ³	0.59	4.0	Followed by NDIR

*NAAQ (National Ambient Air Quality Standard as per 18th Nov, 2009 Gatt. Notification)

End of Report


Authorized Signatory



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