

**ASSAM PETRO-CHEMICALS LIMITED**

(A Government of Assam Undertaking) | An ISO 9001:2008 Certified Company
CIN- U24116AS1971SGC001339. GSTN: 18AABCA6913A1Z6

Head Office & Factory Site:

Assam Petro-chemicals Ltd., Namrup, P.O. Parbatpur,
District. Dibrugarh, Assam-786623
Phone: (0374) 2500331/2500246/2500518. Fax: (0374) 2500231
Email: nrapl@sanchamnet.in. admin_apl@assampetrochemicals.co.in

Ref: APL/Proj/04/2019/720/ 1396

Date: 26.06.2019

To
The Addl. Principal Chief Conservator of Forest (C)
Ministry of Environment, Forest and Climate Change
North Eastern Regional Office (NEZ)
Low-u-Sib, Lumbatngen, Near MTC Workshop
Shillong- 793021

Kind Attention: Shri S.K. Aggarwal, IFS

Subject: Half yearly compliance report of specific and general conditions of Environmental Clearance (EC) for the expansion of Methanol Plant (from 100 TPD to 600 TPD) and Formaldehyde Plant (100 TPD) and addition of Acetic Acid Plant (200 TPD) and Captive Power Plant (5 MW) of M/s Assam Petro-Chemicals Ltd. at village Namrup, District- Dibrugarh, Assam

Reference: EC letter No.: F.no J-11011/469/2011-IA II(I) dated 19.05.2014

Respected Sir,

In compliance of the specific and general conditions as stipulated in the Environmental Clearance (EC) accorded by Ministry of Environment, Forest and Climate Change for the above expansion project, please find herewith our compliance report for the six-month period.

POINT NO	DESCRIPTION	APL's COMPLIANCE
A. SPECIFIC CONDITIONS		
(i)	Environment clearance is subject to their obtaining prior clearance from the Standing Committee of the National Board for Wildlife as applicable regarding Patkai Wildlife Sanctuary. Grant of environmental clearance does not necessarily imply that wildlife clearance shall be granted to the project and their proposals for wildlife clearance will be considered respective authorities on their merits and decision taken. No work at the site shall be started without prior permission. The investment made in the project, if any based on environmental clearance so granted, in anticipation of the clearance from wildlife angle shall be entirely at the cost and risk of the project proponent and Ministry of Environment & Forests shall not be responsible in this regard in any manner and all the recommendations shall be implemented in a time bound manner.	36 th meeting of the Standing Committee of National Board for Wildlife (NBWL), held on Nov 4, 2015 at New Delhi, approved the project.



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(ii)	The project proponent shall prepare a plan for reducing leopard-human and elephant-human conflict in consultation with the Wildlife/Forest Department of the Government of Assam within 10km of the project site.	We have prepared the management plan and the same was submitted to your good office. We have been complying some of the recommendations made in the report, some of which are mentioned below: Recommendation 1: Keep a vigil on human wildlife conflict. We are keeping close coordination with forest department for wildlife conflict. (Copy of the correspondence letter with the Beat Officer, Namrup Forest Division is enclosed as Annexure I for your ready reference) Recommendation 2: Regular monitoring of the conflict incidents. As of now we have not been reported any wildlife conflict.
(iii)	Adequate stack height shall be provided to gas turbine as per CPCB/ Assam State Pollution Control Board (ASPCB) guidelines to disperse gases emission into the atmosphere. Low NOx burners shall be provided with on-line analysers.	Existing plant do not have provision for gas turbine. However, in the 500TPD Methanol Project, adequate stack height has been maintained in the design of Gas Turbine by following CPCB/ASPCB guidelines to disperse gas emission into the atmosphere and also low NO _x burners are provided with online analysers. (Copy of Structural drawing showing stack height is enclosed as Annexure II for your ready reference).
(iv)	Ambient air quality data shall be collected as per NAAQES standards notified by the Ministry vide G.S.R.No.826(E) dt.16th Sept,2009. The levels of PM2.5, PM10, SO ₂ , NO _x , CO and VOC shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and ASPCB. One air quality monitoring station shall be set up at Namrup Beat Office under Jeypore range of Dibrugarh Division of Forest Dept.	For the existing plant, the ambient air levels of PM2.5, PM10, SO ₂ , NO _x , CO and VOC are continuously monitored through online system and also regular monitoring is done by engaging M/S Greenzone Environment Laboratory. (Reports of continuous online monitoring and M/s Greenzone monitoring report is enclosed as Annexure III for your ready reference). For 500TPD Methanol Project, the provision for online continuous monitoring of ambient air quality has already been made.
(v)	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled providing closed storage, closed handling & conveyance	In the existing plant, we have been closely handling & conveyance of chemicals/materials. Provision for the same is also made in the 500TPD Methanol Project.



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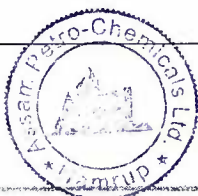
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	chemicals/materials, scrubber and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials, storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the ASPCB. Regular monitoring of Volatile Organic Compound (VOCs) should be carried out.	For checking fugitive emission from different sources has been done by engaging M/S Greenzone Environment Laboratory by collecting samples at different locations. (Reports are enclosed as <i>Annexure III</i> for your ready reference)
(vi)	For further control of fugitive emissions, following steps shall be followed: 1. Closed handling system shall be provided for chemicals. 2. Reflux condenser shall be provided over reactor. 3. System of leak detection and repair of pump/pipeline based on preventive maintenance. 4. The acids shall be taken from storage tanks to reactors through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water. 5. Cathodic protecting shall be provided to the underground solvent storage tanks.	Following provisions has been taken: 1. Liquid drains containing Methanol are taken to closed blowdown system which is recycled. Gaseous vents containing H ₂ , CO, Methanol, CO ₂ , CH ₄ are taken to flare through a relief network. 2. Not Applicable 3. Gas detection system is provided. Appropriate mechanical seals are provided for rotating machineries based on the services and operating conditions to avoid spillage of liquid. During operation, regular monitoring will be carried out so that repairing/ preventive maintenance shall be carried out on regular basis. 4. The acids shall be taken from storage tanks to reactors through closed pipeline – Not Applicable. Vents of the Methanol storage tanks will be scrubbed in Vent Wash Column before combustion in the 500 TPD Methanol project. 5. Cathodic protection for underground vessels are included in the engineering design.
(vii)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	In the existing plant, DG sets are used only for emergency purpose and it is old indoor type. Adequate stack height for gas emissions and acoustic enclosure for DG sets as per CPCB standards has been provided in the design of 500TPD Methanol project. (Copy of structural drawing of DG acoustic



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		encloser is enclosed as Annexure-IV for your ready reference)
(viii)	Total fresh water requirement from River Dilli shall not exceed 2809 m3/day after expansion and prior permission shall be obtained from the Competent Authority	Prior permission has already been received from the Competent Authority for drawal of 8400 m3/day. However, total fresh water requirement from River Dilli will not exceed 2809 m3/day after expansion also.
(ix)	Industrial effluent generating shall not exceed 1443 m3/day. Industrial effluent shall be treated in ETP comprises primary, secondary and tertiary treatment facilities. RO rejects shall be concentrated in MEE. Treated effluent (894 m3/day) shall be reused/recycled in process or horticulture purpose. Water quality of treated effluent shall meet the norms prescribed by CPCB/ SPCB.	In the existing plant, effluent generated are continuously monitored and treated in ETP meeting the norms prescribed by CPCB/SPCB. (Copy of online monitoring is enclosed as Annexure-V for your ready reference). Water block package for 500TPD Methanol Plant has been designed to meet the norms prescribed by CPCB/ SPCB.
(x)	No effluent shall be discharged outside the premises and 'Zero' effluent discharge shall be followed.	Zero' effluent discharge plant with required standard is under execution in 500TPD Methanol project plant.
(xi)	Process effluent/ any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Storm water drain has been designed accordingly.
(xii)	Surface and ground water monitoring with regular interval will be done in the vicinity of the project by taking water samples from different locations to ensure that no objectionable waste water is flowing out of the operating plants which may have impact on any wildlife under the category of schedule -I fauna.	Soil analysis and drinking water analysis on regular interval has been done by engaging M/S Greenzone Environment Laboratory (Copy of the report is enclosed as Annexure-VI for your ready reference)
(xiii)	Process organic residue and spent carbon shall be sent to cement industries. ETP sludge and MEE concentrates shall be disposed off to the TSDF, spent catalyst/resin shall be sent to authorized recycler/reprocessor.	Process spent catalyst and used lube oil are sent to authorized recycler/ reprocessor at a regular interval.
(xiv)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from MPCB shall be obtained for disposal of solid/Hazardous waste in the TSDF. Measures shall be taken for fire facilities in case of emergency.	For the existing plant, application for Grant of Authorisation for collection, storage and disposal of hazardous waste under the Hazardous Wastes Rules was applied to State Pollution Control Board. The authorisation for the same for 500TPD Methanol Project plant will be applied in due course of time



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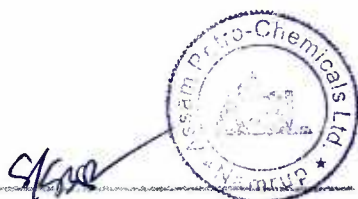
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(xv)	The company shall strictly comply with the rules and guidelines under Manufacture Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	The company is complying with the rules and guidelines under Manufacture Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. (Copies of guidelines followed for our products are enclosed as Annexure-VII for your ready reference).
(xvi)	All the recommendations made in the risk assessment report shall be satisfactorily implemented.	<p>The recommendations are made basically on storage details of products and other materials, w.r.t. possible risks at plant area, i.e. pipeline rupture or leakage, materials storage/dyke fire (instantaneous release). The implementation of recommendation for the same are as below which are under construction.</p> <ol style="list-style-type: none">1. Storage Tanks: arrangements like independent high level alarm and trip of liquid inlet line, low level alarm and provision of auto deluge water sprinkler system for its bulk storage tank.2. The turbine building, switch-yard, transformer yard, administrative building, pantry, first-aid centre, fire station, etc. are located safely in light of worst accident scenarios.3. In case of any tank on fire or fire in the vicinity, the cooling of adjoining tank to be resorted promptly.4. The night vision and wind sock is mounted on top of administrative building and dyke area is to have adequate illumination so that people can move in upwind directions in event massive spillage.5. Population growth around the plant and the colony are watched by appropriate authorities so that unauthorised growth of shanty colonies and hutments around the plant is avoided. <p>No machinery of vital importance like firefighting pump house, hydrant and fuel oil pump house will be placed within the radiation contours of 32kw/m² heat intensity</p>



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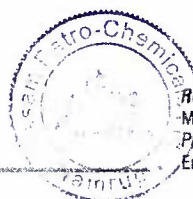
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(xvii)	The unit shall make arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Fire fighting system for the existing plant has been arranged as per the norms. And for 500TPD Methanol project the arrangement for protection of possible fire hazards and fire fighting system is under execution.
(xviii)	Occupational Health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational Health surveillance of the workers are done on regular basis and recorded. For the current year 2019, records of health check-up are enclosed as Annexure VIII for your ready reference)
(xix)	Green Belt shall be developed in 9.538 acres of land. Selection of plant species shall be as per the CPCB guideline.	We have been maintaining and further developing green belt in the existing and new project site.
(xx)	All the commitments made to the public during the Public Hearing/ Public Consultation meeting held on 6th September, 2012 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Shillong.	All the commitment made to the public during the public hearing on Sept 6, 2012, has already been complied.
(xxi)	At least 5% of the total cost of the project shall be earmarked towards the Enterprises Social Commitment 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 shall be ensured accordingly in a time bound manner.	The list of CSR activities undertaken by APL is enclosed in Annexure IX as ready reference.
(xxii)	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed that there is no impact on the surrounding environment.	All the contractors working at project site has been provided with all the necessary infrastructure & welfare facilities such as housing or space for hutments, drinking water, health care, etc.
B. GENERAL CONDITIONS		
(i)	The project authorities must strictly adhere to the stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority.	The stipulations made by the Assam Pollution Control Board (APCB), State Government and any other statutory authority are being complied.



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(ii)	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & 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.
(iii)	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approval from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. Must be obtained, wherever applicable.	The project is under construction and same will be complied in due course of time.
(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 EPA Rules, 1989 viz. 75 dba (daytime) and 70 dba (night time).	In the existing plant, we are adopting all control measures and noise level is within the limit. In the 500TPD Methanol Project, all noise control measures have been taken into design consideration such as acoustic hoods, silencers, enclosures, etc. on all source of noise generation (The noise level monitoring report by M/S Greenzone Environment Laboratory is enclosed in Annexure X for your ready reference)
(v)	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 website of the company by the proponent.	Already complied and intimated to your good office.
(vi)	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 APCB. The Regional Office of this Ministry/CPCB/APCB shall monitor the stipulated conditions.	Noted.



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(vii)	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 Offices of the MoEF by e-mail	The environmental statement for each financial year ending 31st March, 2019 in Form V is enclosed as Annexure XI for your ready reference.
(viii)	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 APCB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local 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 Regional Office.	Already complied and intimated to your good office.
(ix)	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.	Already complied and intimated to your good office.

Thanking You,

For and on behalf of
Assam Petro-Chemicals Ltd.


 (S.K. Bora)
 Dy. General Manager (Project)
 Assam Petro-Chemicals Ltd.
 Namrup

Copy to:

1. Dr. Sudheer Chintalapati, Scientist'D', Ministry of Environment, Forest and Climate Change, Govt. of India (I.A. Division), Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi – 110003, for kind information please.



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2. Regional Director, Central Pollution Control Board Zonal Office, Shillong Tum-Sir, Lower Motinagar, Near Fire Brigade H.Q., Shillong – 793014, for kind information please.
3. Principal Secretary, Department of Environment & Forest, Govt. of Assam, Guwahati, Assam - 781006, for kind information please.
4. Member Secretary, Assam Pollution Control Board, Bamunimaidam, Guwahati – 21, Assam, for kind information please.
5. Executive Engineer, Regional Office, State Pollution Control Board Assam, Behind ASTC, Chowkidinghee, Dibrugarh – 786001, for kind information please.
6. General Manager (Project), Assam Petro-chemicals Limited, Namrup, for kind information please.



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Ref No: APL/Proj/04/2018/ 11C 7

Date: 4 Sept, 2018

To
The Beat Officer,
Namrup Forest Div.,
Namrup
Dist: Dibrugarh

Sub: Request for report/certificate on human-animal conflicts in the vicinity of APL's Project site.

Dear Sir,

It is to inform you that the 500 TPD Methanol Project of Assam Petro-Chemicals Limited (APL), Namrup, is going on in full swing with 500 TPD Methanol Project activities.

In this regard, we have been complying with the requirements of the Environment Clearance (EC) letter granted to us on 19.05.2014 by Ministry of Environment and Forests vide letter no.: EC letter No.: F.No.J-11011/469/2011-IA II (I) Dated 19.05.2014.

Now, as per the requirements of their latest letter no.: F.No.J-11013/51/2018-IA-I(M) dtd. 10.08.2018 (enclosed), we request you to kindly provide us with a report/certificate on latest incidents (if any) of human-leopard and human-elephant conflicts in the vicinity of within 10 km of APL's Project site.

Thanking you,

Yours sincerely,

S. K. Bora
Sr. Manager (Project)

Received,

S. B. Boruah
06/09/2018

RANGE FOREST OFFICER
JEYPURE RANGE

✓ Copy : The Range Officer, Jaypur Forest Div., Jaypur, Dist: Dibrugarh – for kind information please.

Encl.: As stated above.





THE UNIVERSITY OF CHICAGO PRESS

Annexure III

Map Satellite

APCL BOILER						
Category : Petrochemical						
Parameter	Standard	Data of 14-06-2019 03:50 PM				
		Current	Avg 24 Hrs	Max. 24 Hrs	Mini. 24 Hrs	
PM (mg/Nm3)	50	2.52	2.478	3.63	1.92	
STACK_1 / BOILER REFORMER						
Category : Petrochemical						
Parameter	Standard	Data of 14-06-2019 03:50 PM				
		Current	Avg 24 Hrs	Max. 24 Hrs	Mini. 24 Hrs	
PM (mg/Nm3)	50	3.6	3.638	3.74	3.51	

Owner	Assam Petro-Chemicals Ltd
Category	Petrochemical
Address	Namrup, Po Parbatpur, Dist Chirang, Assam
Location	Namrup
State	Assam
Latitude	27 11
Longitude	95 21
In Ganga	No
Last Updated on	14-06-2019 03:50 PM
Contact Person	Ajit Bhaskar Gahain Baruah



Contd...



ASSAM PETROCHEMICALS LIMITED

data available at <http://www.envea-sa.in.fr>

Category : PETROCHEMICAL

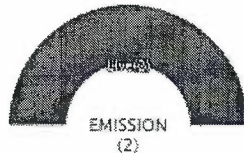
Industry Code : 11AS001

Lat: 27.1973879466

Long: 95.395261332026

Last Updated : 14-Jun-2019 13:00:00

Welcome aasam Logout (login.php?action=logout)



Excedance

0

(Past 24 hours)

Next

CO
(Stack_1_Reformer_Methanol)

0
mg/Nm3

2019-06-Prescribed
14 Standard -
13:00:00 NAmg/Nm3

* (CO) Limit-NA, Vol

View Details (industry_report.php?
CCHIM=CO&GEST_SOURCE=Stack_1 Reformer Me

Calorific value Gas
Gas Flow

- Calorific value Oil
- Oil Flow

CO
(Stack 2 Boiler)

53.85
mg/m3

2019-06-Prescribed
14 Standard -
13:00:00NAmg/Nm3

• [CO] limit-NA, Val

View Details (industry_report.php?
CCHIM=CO&GEST_SOURCE=Stack 2 Boiler)

	Calorific value Gas	Gas Flow
1	10.78	10.78
2	10.78	10.78
3	10.78	10.78
4	10.78	10.78
5	10.78	10.78
6	10.78	10.78
7	10.78	10.78
8	10.78	10.78
9	10.78	10.78
10	10.78	10.78
11	10.78	10.78
12	10.78	10.78
13	10.78	10.78
14	10.78	10.78
15	10.78	10.78
16	10.78	10.78
17	10.78	10.78
18	10.78	10.78
19	10.78	10.78
20	10.78	10.78
21	10.78	10.78
22	10.78	10.78
23	10.78	10.78
24	10.78	10.78
25	10.78	10.78
26	10.78	10.78
27	10.78	10.78
28	10.78	10.78
29	10.78	10.78
30	10.78	10.78
31	10.78	10.78
32	10.78	10.78
33	10.78	10.78
34	10.78	10.78
35	10.78	10.78
36	10.78	10.78
37	10.78	10.78
38	10.78	10.78
39	10.78	10.78
40	10.78	10.78
41	10.78	10.78
42	10.78	10.78
43	10.78	10.78
44	10.78	10.78
45	10.78	10.78
46	10.78	10.78
47	10.78	10.78
48	10.78	10.78
49	10.78	10.78
50	10.78	10.78
51	10.78	10.78
52	10.78	10.78
53	10.78	10.78
54	10.78	10.78
55	10.78	10.78
56	10.78	10.78
57	10.78	10.78
58	10.78	10.78
59	10.78	10.78
60	10.78	10.78
61	10.78	10.78
62	10.78	10.78
63	10.78	10.78
64	10.78	10.78
65	10.78	10.78
66	10.78	10.78
67	10.78	10.78
68	10.78	10.78
69	10.78	10.78
70	10.78	10.78
71	10.78	10.78
72	10.78	10.78
73	10.78	10.78
74	10.78	10.78
75	10.78	10.78
76	10.78	10.78
77	10.78	10.78
78	10.78	10.78
79	10.78	10.78
80	10.78	10.78
81	10.78	10.78
82	10.78	10.78
83	10.78	10.78
84	10.78	10.78
85	10.78	10.78
86	10.78	10.78
87	10.78	10.78
88	10.78	10.78
89	10.78	10.78
90	10.78	10.78
91	10.78	10.78
92	10.78	10.78
93	10.78	10.78
94	10.78	10.78
95	10.78	10.78
96	10.78	10.78
97	10.78	10.78
98	10.78	10.78
99	10.78	10.78
100	10.78	10.78

- Calorific value Oil
- Oil Flow

SMS Alerts Communicated

Past
24

Page:
2

Past

Page 15

Page
1

ASSAM PETROCHEMICALS LIMITED

envea
data available at <http://www.envea.com>
sa.in/

Category : PETROCHEMICAL

Industry Code : 11AS001

Lat : 27.1973479166

Long : 95.395261332626

Last Updated : 14-Jun-2019 13:00:00

Welcome Assam Logout (login.php?action=logout)

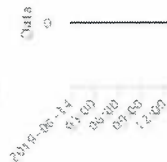


Exceedance

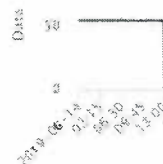
0

(Past 24 hours)

Next

CO
(Stack_1_Reformer_Methanol)0
mg/Nm32019-06-Prescribed
14 Standard -
13:00:00NAmg/Nm3

(CO) Limit-NA, Val

View Details (industry_report.php?
CCHIM=CO&GEST_SOURCE=Stack_1_Reformer_McCalorific value Gas
Gas Flow- Calorific value Oil -
- Oil Flow -CO
(Stack_2_Boiler)53.85
mg/Nm32019-06-Prescribed
14 Standard -
13:00:00NAmg/Nm3

(CO) Limit-NA, Val

View Details (industry_report.php?
CCHIM=CO&GEST_SOURCE=Stack_2_Boiler)Calorific value Gas
Gas Flow- Calorific value Oil -
- Oil Flow -

SMS Alerts Communicated

Past
24Past
2Past
1Past
15Past
1

Contd...

ASSAM PETROCHEMICALS LIMITED

data available at this portal is as per CPCB prescribed procedure published at cpcb.nic.in (<http://cpcb.nic.in>) environment-
sa.in/)



Category : PETROCHEMICAL

Industry Code : 11A5001

Lat: 27.1973979166

Long : 95.395261312026

Last Updated : 14-Jun-2019 13:00:00

Welcome aasam Logout ([login.php?action=logout](#))



Exceedance

D

(Past 24 hours)

Prev

Next

NOX

(Stack 1 Reformer Methanol)

169.38
mg/4m3

2019-06-Prescribed
14 Standard -
13:00:00 NAmg/Nm3

400
Date 200 
0
03/03/00 14 04 00 08 00 12 00

◆ (NOX) Limit-2A, Vol.

View Details (industry_report.php?
CCHM=NOX&GEST_SOURCE=Stack_1 Reformer M

Calorific value Gas
Gas Flow

- Calorific value Oil
- Oil Flow

NOX

(Stack_2_Boiler)

72.83
mg/L

2019-06-Prescribed
14 Standard -
13:00:00 NAmg/Nm3

100
50
0
2014 06 14 04 34 04 20 11 20

* (NO₂) limit - 24, 5%

View Details (industry_report.php?
CCHIM=NOX&GEST_SOURCE=Stack_2_Boiler)

Calorific value Gas
Gas Flow

- Calorific value Oil -
- Oil Flow -

SMS Alerts Communicated

Pass
24

Past

Past

Past
15

Pas
1

6/5/20



M/s. GREENZONE

Environment & Pollution Control

Pollution Control Board, Assam

Janata Road, Dighoi, Assam
Ph: 9401904228
e-mail: greenzonedighoi@gmail.com

IAS-ANZ



ISO 14001:2007 Certified

ISO 9001:2008 Certified



AMBIENT AIR QUALITY TEST RESULTS

ASSAM PETRO-CHEMICALS LTD.

(A Govt. of Assam Undertaking)

P.O. Parbatpur-786213, DIST-Dibrugarh, Assam

LOCATION	NEAR LABORATORY & INDUSTRY AREA
Date of measurement	20/12/2018
Report Reference No.	GZ/AAQ1/APL18/DBR/01
Work order no.	APL/QC/18-19/14(b)/143-47 dated 06.09.2018

Test Results

SL. NO	PARAMETERS	UNIT	Location	LIMITS	TEST METHOD
			LABORATORY		
1	Particulate Matter (PM ₁₀)	($\mu\text{g}/\text{m}^3$)	68	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	($\mu\text{g}/\text{m}^3$)	43	60	CPCB GUIDELINES
3	Sulphur Dioxide(SO ₂)	($\mu\text{g}/\text{m}^3$)	15	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	($\mu\text{g}/\text{m}^3$)	25	80	IS 5182(VI)
5	Carbon Monoxide (CO)	(mg/m^3)	<0.1	2	IS 5182 (22)
11	Hydrocarbon(HC)	ppm	<1	NIL	CPCB GUIDELINES
12	VOC	($\mu\text{g}/\text{m}^3$)	<1	NIL	CPCB GUIDELINES

Note: The parameters tested on the specific period are in accordance with the NAAQ Standards, CPCB

NOTIFICATION DATED 18th NOVEMBER 2009

Sampled & analyzed by:

GREENZONE, Dighoi



NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.

2. Results refer only to the particular parameters tested.

3. This test report shall not be reproduced except in full, without the written permission of GREENZONE, Dighoi Janata Road, Dighoi - 786171, Assam.

Contd...





M/s. GREENZONE

(Company) No.

Pollution Control Board, Assam

Janata Road, Digboi, Assam

Ph 9401904228

e-mail: greenzoneDigboi@gmail.com

IAS-ANZ



ISO 14001:2004 Certified



AMBIENT AIR QUALITY TEST RESULTS

ASSAM PETRO-CHEMICALS LTD.

(A Govt. of Assam Undertaking)

P.O. Parbatpur - 786623, DIST-Dibrugarh, Assam

LOCATION	NEAR GUEST HOUSE GATE
Date of measurement	22/12/2018
Report Reference No.	GZ/AAQ3/APL18/DBR/01
Work order no.	APL/QC/18-19/14(b)/143-47 dated 06.09.2018

Test Results

SL. NO	PARAMETERS	UNIT	Location	LIMITS	TEST METHOD
			GUEST HOUSE		
1	Particulate Matter (PM ₁₀)	($\mu\text{g}/\text{m}^3$)	55	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	($\mu\text{g}/\text{m}^3$)	34	60	CPCB GUIDELINES
3	Sulphur Dioxide (SO ₂)	($\mu\text{g}/\text{m}^3$)	10	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	($\mu\text{g}/\text{m}^3$)	18	80	IS 5182(VI)
5	Carbon Monoxide (CO)	(mg/m^3)	<0.1	02	IS 5182 (22)

Note: The parameters tested on the specific period are in accordance with the NAAQ Standards, CPCB NOTIFICATION DATED 18th NOVEMBER 2009

Sampled & analyzed by:

GREENZONE, Digboi



NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.

2. Results refer only to the particular parameters tested.

3. This test report shall not be reproduced except in full, without the written permission of GREENZONE, Digboi Janata Road, Digboi - 786471, Assam.

Contd...



CS/630

**M/s. GREENZONE**

Recognised By

Pollution Control Board, Assam

Janata Road, Digboi, Assam

Ph. 9401904228

e-mail : greenzonedigboi@gmail.com

IAS-ANZ



OHSAS 18001:2007 Certified

ISO 9001:2008 CERTIFIED



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AMBIENT AIR QUALITY TEST RESULTS

ASSAM PETRO-CHEMICALS LTD.

(A Govt. of Assam Undertaking)

P.O. Parbatpur-786623, DIST: Dibrugarh, Assam

LOCATION	NEAR CANTEEN AREA
Date of measurement	21/12/2018
Report Reference No.	GZ/AAQ2/APL18/DBR/01
Work order no.	APL/QC/18-19/14(b)/143-47 dated 06.09.2018

Test Results

SL. NO	PARAMETERS	UNIT	Location	LIMITS	TEST METHOD
			CANTEEN		
1	Particulate Matter (PM ₁₀)	($\mu\text{g}/\text{m}^3$)	51	100	IS 5182(23)
2	Particulate Matter (PM _{2.5})	($\mu\text{g}/\text{m}^3$)	30	60	CPCB GUIDELINES
3	Sulphur Dioxide (SO ₂)	($\mu\text{g}/\text{m}^3$)	08	80	IS 5182(2)
4	Nitrogen Dioxide (NO ₂)	($\mu\text{g}/\text{m}^3$)	17	80	IS 5182(VI)
5	Carbon Monoxide (CO)	(mg/m^3)	<0.1	02	IS 5182 (22)
11	Hydrocarbon (HC)	ppm	<1	NIL	CPCB GUIDELINES
12	VOC	($\mu\text{g}/\text{m}^3$)	<1	NIL	CPCB GUIDELINES

Note: The parameters tested on the specific period are in accordance with the NAAQ Standards, CPCB NOTIFICATION DATED 19th NOVEMBER 2009

Sampled & analyzed by:

GREENZONE, Digboi



NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.

2. Results refer only to the particular parameters tested.

3. This test report shall not be reproduced except in full, without the written permission of GREENZONE, Digboi Janata Road, Digboi - 786171, Assam





5/05/2019

Average Report - Real-Time Data Monitoring System - State Pollution Control Board, Assam



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Welcome Assam Petro-Chemicals Limited

LIVE MAP LIVE CAMERA DATA VALIDATION REPORTS OFFLINE STATIONS REASON

Station Working Status Report

Search By Company

Company Name	ASSAM PETRO-CHEMICALS LIMITED ▼
Station Name	ETP_1 ▼
Search Type	<input type="radio"/> Quick Search <input checked="" type="radio"/> Advance Search
Result Period	From 01-01-2019 To 30-04-2019
Generate Report	

Station Name : ETP_1

Parameter Name	Data	Active Status %
BOD (Mg/l 50)	99.59	
COD (Mg/l 250)	99.87	
TSS (Mg/l 100)	99.91	
pH (pH 6.5-8.5)	99.59	
FLOW (M3/hr)	99.75	

www.xylem-errand.com/statusReport.php

1/2

[Handwritten Signature]



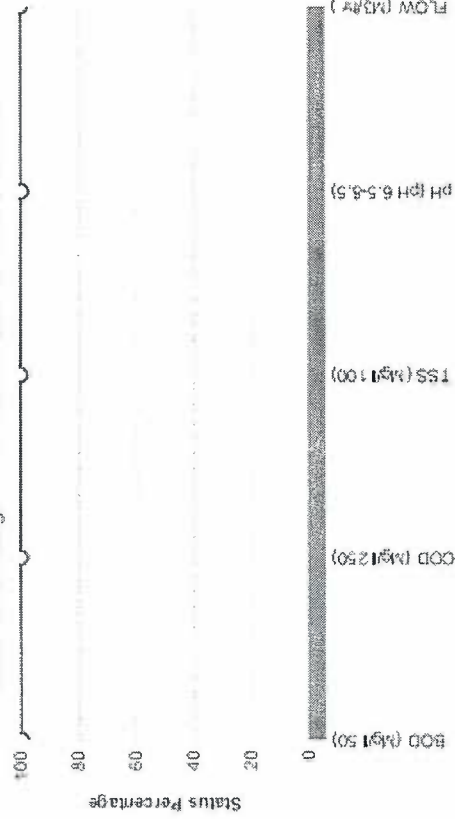
5/06/2019

Average Report - Real-Time Data Monitoring System - State Pollution Control Board, Assam

ETP_1

ETP_1

Date Time Range 01-01-2019 00:00 To 30-04-2019 23:59



Parameter Name

ETP_1

2019.

Server Current Date & Time 06-May-2019 16:02

Powered by Srijan Webmatics Pvt. Ltd.



M/s. GREENZONE
Recognised by
Pollution Control Board, Assam

Annexure VI

Janata Road, Digboi, Assam
Ph. 9401904228
e-mail : greenzonedigboi@gmail.com



Ref no. GZ/DW/APL18/DBR/01/2018

Date of issue: 20/11/2018

DRINKING WATER ANALYSIS RESULTS

ASSAM PETRO-CHEMICALS LTD.

(A Govt. of Assam Undertaking)

P.O. Parbatpur-786623, DIST-Dibrugarh, Assam

Sample Location: Residential Colony

Sl. No.	Parameters	Results	Desirable Limit
01	Colour (Hazen Units), Max	1	5
02	Odour	Unobjectionable	Unobjectionable
03	Turbidity, NTU, Max	1.22	5
04	pH	6.95	6.5 - 8.5
05	Total Hardness (as CaCO ₃), mg/l, Max	226.0	300
06	Alkalinity (as CaCO ₃), mg/l, Max	81.0	200
07	Iron (as Fe), mg/l, Max	0.18	0.30
08	Chlorides (as Cl), mg/l, Max	85.0	250
09	Dissolved Solids, mg/l, Max	288.0	500
10	Calcium (as Ca), mg/l, Max	2.03	75
11	Magnesium (as Mg), mg/l, Max	10.45	30
12	Sulphate (as SO ₄), mg/l, Max	31.0	200
13	Nitrate (as NO ₃), mg/l, Max	0.8	45
14	Fluoride (as F), mg/l, Max	ND	1.5
15	Arsenic (as As), mg/l, Max	ND	0.20
16	Lead (as Pb), mg/l, Max	ND	0.01
17	Chromium, , mg/l,	ND	0.05
18	Copper, mg/l,	ND	0.001
19	Mercury, mg/l,	ND	0.001
20	Zinc, mg/l,	<0.05	5.0
21	Cadmium, mg/l,	ND	0.01
22	Cyanide, mg/l,	ND	0.05
23	Pesticide, mg/l,	Nil	0.01
24	E Coliform/100 ml	Nil	Absent
25	Total Coliform, MPN/100ml	Nil	10.0

[Analysis protocol:-IS: 10500]

Analyzed and verified by:

GREENZONE



Contd. Page 22 of 34



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M/s. GREENZONE

Recognized by

Pollution Control Board, Assam

Janata Road, Digboi, Assam

Ph: 9401964228

e-mail: greenzonedigboi@gmail.com

JAS-ANZ



ISO 9001:2007 Certified

ISO 9001:2007



REGISTERED

SOIL ANALYSIS TEST RESULTS

ASSAM PETRO-CHEMICALS LTD.

(A Govt. of Assam Undertaking)

P.O. Parbatpur-786623, DIST. Dibrugarh, Assam

Ref No: GZ/ST/APL18/DBR/01
Location: ASSAM PETRO-CHEMICALS LTD, Namrup
Sample Collected By: Greenzone Representative
Sample Collected On: 20/12/2018

Sl. No.	Parameters	Results
01	Colour	Dark Brown
02	Compaction	Medium
03	pH (10 % Solution)	6.76
04	Electrical Conductivity, mmhos/cm	1.15
05	Natural Moisture Content, %	23.8
06	Organic Carbon, %	1.20
07	Nitrogen, %	0.009
08	Phosphorous, %	0.015
09	Potassium, %	0.008
10	Sodium (as Na), ppm	110
11	Calcium (as Ca), ppm	76
12	Magnesium (as Mg), ppm	49
13	Chlorides (as Cl), ppm	136
14	Sulphates (as SO_4), ppm	76
15	Silt, %	72.5
16	Clay, %	7.2
17	Textural Class	Silty Loam
18	Bulk Density, g/cc	1.20
19	Sodium Absorbing Ratio	2.30
20	Iron (as Fe), mg/kg	0.82

Note: BDL- Below Detection Limit

Report Verified by:

Report issued on: 25/12/2018

GREENZONE

Digboi



Annexure VII



TRANSPORT EMERGENCY CARD (ROAD)

METHANOL

- ※ CARGO : METHANOL (LIQUID)
- ※ SMELL : ALCOHOLIC
- ※ HAZARDS : Highly inflammable.
Highly poisonous, Drinking, inhalation or injection can cause blindness and death.
- ※ PROTECTIVE : Use Rubber Gloves and Safety goggles while handling.
DEVICE : Menthol.
In case of spillage wash eyes with clean water.
- ※ EMERGENCY : Move the vehicle to an open area.
ACTION : Stop the Engine.
Cordon off the area. No smoking and naked lights within the cordon area.
Inform Police, Fire brigade immediately.
- ※ SPILLAGE : Avoid leaky valves.
Wash with sufficient water. OR
Cover the spill with sand/earth.
- ※ IN THE : If the fire is minor, use DCP/CO₂ extinguisher provided in
EVENT OF the tanker.
FIRE : In major fire, use water/alcohol resistant foam spray.

Assam Petrochemicals Ltd. (A Govt. of Assam Undertaking) P.O. : PARBATPUR-786 623 NAMRUP Dist. : Dibrugarh, Assam	Emergency Telephone Nos. APL : Namrup : 0374-500331 0374-500246 0374-500212 APL : Guwahati : 0361-544147 0361-543484 APL : Kolkata : 033-2348292
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परिवहन आपातकालीन कार्ड (सड़क)

- कार्गो :— मिथानॉल (तरल)
- संकेत के स्वरूप :— अत्यधिक ज्वलनशील ।
— ऑक्सी के लिए अत्यधिक हानिकारक ।
— तबचा पर लगने से डारामाईटीस हो सकता है ।
- आपातकालीन कार्यविधि :— संभव होने से बाह्य की खुले क्षेत्र में से जाने का प्रयत्न करें । वाहन को असुरक्षित न छोड़ें ।
— इंजिन बंद कर दें ।
— क्षेत्र को चारों तरफ से घेर दें । धीरे धीरे क्षेत्र में धुंधपान तथा खुली आग का प्रयोग न करें ।
करीब 50 मीटर दूर 'सतरा' का बोर्ड लगाकर यातायात तथा जनता को रोक दें ।
— विपरीत वायु की ओर हो रहे तथा लोगों को विपरीत वायु की दिशा में हो भागने को कहें ।
— सहायक राहगीरों से पुलिस, फायर ब्रिगेड सरपंच की सूचना भेजें ।
- बहाव :— हाथ से देखें कि बहाव और टक्कन मली-मालि बंद हैं और यदि संभव हो तो रिसाव को रोकें ।
— यदि पानी उपलब्ध हो तो मली प्रकाश धोएं ।
— बहाव को रेत / मिट्टी से दक दें ।
- आग लगने पर :— साधारण आग के होने पर ट्रक में दिए गए डी०सी०बी० / सी०ओ०एच० आग बुझाने वाले यंत्र का प्रयोग करें ।
— बड़ी आग के होने पर पानी / आल्कोहल रेडीसटेंट फोम तब का प्रयोग करें ।
- प्राथमिक प्रतिक्रिया के :— व्यक्ति को रसायन के स्थान से हटा दें ।
लिप्ट :— प्रभावित स्थान को ढेर सारे पानी से धोएं ।
— अगर ऑक्सी प्रभावित हुई हो तो ऑक्सी को स्वच्छ पानी से धोएं ।
— ऑक्सी को सूर्य का प्रकाश से बचाएं ।
— चिकित्सा सहायता की व्यवस्था तुरंत करें ।

असम पेट्रोकेमिकल्स लि० (असम सरकार का उपक्रम) डाक : पर्वतपुर - 786 623 नामरूप जिला : डिब्रुगढ़, असम	आपातकालीन टेलीफोन नं० नामरूप — 0374-500331 0374-500246 0374-500212 गुवाहाटी — 0361-544147 0361-543484 कलकत्ता — 033-2348292
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TRANSPORT EMERGENCY CARD (ROAD)

FORMALIN

- * CARGO : FORMALIN (LIQUID)
- * SMELL : PUNGENT.
- * HAZARDS : Moderate Fire Hazards.
Highly poisonous, Drinking, inhalation or injection can cause blindness and death.
Irritating to all body tissues if contact with skin.
- * PROTECTIVE DEVICE : Use Rubber Gloves and Safety goggles while handling.
Do not inhale.
Do not touch.
- * EMERGENCY ACTION : Move the vehicle to an open area.
If inhalation : Remove to fresh air. Get Medical help.
In case of Eye Contact : Wash with fresh water.
Ingestion : Give water or milk to drink.
- * SPILLAGE : Avoid leaky valves.
Cordon off the area. No smoking and naked lights within the cordon area.
Wash with sufficient water.
Inform Police, Fire brigade immediately.
- * IN THE EVENT OF FIRE : In case of fire, use DCP/CO₂ extinguisher provided in the tanker.
Or use water / Alcohol resistant foam spray.

Assam Petrochemicals Ltd.
(A Govt. of Assam Undertaking)
P.O. : PARBATPUR-786 623
NAMRUP
Dist. : Dibrugarh, Assam

Emergency Telephone Nos.
APL : Namrup : 0374-500331
0374-500246
0374-500212
APL : Guwahati : 0361-544147
0361-543484
APL : Kolkata : 033-2348292



परिवहन अभावकालीन कार्ड (सड़क)

- कार्गो :— फॉर्मलिन (तरल)
- संकेत के स्वरूप :— अत्यधिक ज्वलनशील ।
— अग्नि के लिए अत्यधिक हानिकारक ।
— तबचा पर लगाने से डारमार्कटोश हो सकता है ।
- अभावकालीन कार्यवाही :— संभव होने से वाहन को सुले क्षेत्र में ले जाने का प्रयत्न करें । वाहन को अक्षुण्णित न छोड़ें ।
— इन्जिन बंद कर दें ।
— क्षेत्र को चारों तरफ से घेर दें । धीरे धीरे क्षेत्र में धुंधलान तथा खुली आग का प्रयोग न करें ।
करीब 50 मीटर दूर 'सतस' का थोड़ा लगाकर यातायात तथा जनता को रोक दें ।
— क्षिपरीत वायु को ओर ही रहें तथा लोगों को विपरीत वायु की दिशा में ही भागने को कहें ।
— सहायक 'राहगीरों' से पुलिस, फायर ब्रिगेड सरपंच को सूचना भेजें ।
- बहाव :— हाथ से देखें कि कालव और टंकन भली-भाँति बंद हैं और यदि संभव हो तो रिसाव को रोकें ।
— यदि पानी उपलब्ध हो तो भली प्रकार धोएं ।
— बहाव को रेत / मिट्टी से ढक दें ।
- आग लगने पर :— साधारण आग के होने पर ट्रक में दिए गए डी-सी-वी-0 / सी-ओ-टू-0 आग बुझाने वाले यंत्र का प्रयोग करें ।
— बड़ी आग के होने पर पानी / आल्कोहल रेडीसटेंट फोम स्प्रे का प्रयोग करें ।
- प्रारम्भिक चिकित्सा के लिए :— चिकित्सक को रसायन के स्थान से हटा दें ।
— प्रभावित स्थान को ढेर सारे पानी से धोएं ।
— अगर अग्नि प्रभावित हुई हो तो अग्नि को स्वच्छ पानी से धोएं ।
— अँवों को सूर्य का प्रकाश से बचाएं ।
— चिकित्सा सहायता की व्यवस्था तुरंत करें ।

असम पेट्रोकेमिकल्स लि.
(असम सरकार का उपक्रम)
डाक : पर्वतपुर - 786 623
नामरूप
जिला : डिब्रुगढ़, असम

अभावकालीन टेलीफोन नं०
नामरूप — 0374-500331
0374-500246
0374-500212
गुवाहाटी — 0361-544147
0361-543484
कलकत्ता — 033-2348292



Contd...

Annexure

ASSAM PETRO-CHEMICALS LIMITED
NAMRUP

CIRCULAR

Ref No.APL/AM/Safety

Date: 21.01.2019

Sub: Periodical Health Check up of employees.

This is for general information to all concerned that; Medical health check-up for the Employees, working inside the factory premises is scheduled to be held from 23rd Jan 2019.

The details of the programme:-

Venue :- APL Medical.

Starting date:-23rd January 2019.

Timing: First group: 8-30AM to 11AM

Second group-01-30PM to 04-30 PM

In connection with the above, request you to kindly do the needful to nominate 3 (three) numbers of employee for morning & evening session each day from the earlier list in order to health check up programme in our APL hospital.

Average Number of participants: 15 daily.

Sd/-
(J.Buragohain)
Asstt.Mgr(Safety)

To

The Concerned Department:

Copy to :-

GGM(P&M) For kind information please.

GM (Mtl&HR.) -Do-

GM (Maint.) -Do-

Sd/-
Asstt.Mgr(Safety)

Sd/-
23/1/19

Sd/-
23/1/19

Sd/-
23/1/19

Sd/-
23/01



CORPORATE SOCIAL RESPONSIBILITY OF APL

Realizing CSR (Corporate Social Responsibility) as an essential component of an Organization, Assam Petro- Chemicals Limited being a responsible public sector unit of North East India has committed to strive to discharge its social responsibilities in various forms.

CSR ACTIVITIES OF ASSAM PETRO-CHEMICALS LIMITED from 2018 to till date.

1. Assisted a blood donation camp organized by Purbanchal Resource Management Committee, an NGO at Co's hospital by providing medical amenities, beds etc. (Dated 13/06/2018)

2. Financial assistance amounting to Rs 50,000/- was sanctioned in favor of Abhishek B. Gogoi of Namrup, a Gold Medalist in National Cycling Championship to attend necessary training in the National Coaching Camp as well as participating in the Summer Special Olympic held at Abu Dhabi, March, 2019 (As per Hon'ble Board of Directors decision dated 28/08/2018).

3. Financial assistance amounting to Rs 50,000 /- was sanctioned to Gramyya Unnayan Sangha, a socio-cultural organization of Namrup for construction of toilet/Bathroom at their office premises.

4. APL has been imparting quality education to the students of the locality by providing necessary infrastructures and financial support amounting to Rs 2.25 lacs on quarterly basis to Basundhara Jatiya Vidyalaya a private educational institute situated in the APL Township.

Besides, The Company also has also been supplying drinking water, providing health check-up and medicines to the needy peoples of the neighbouring villages.

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Annexure X



M/s. GREENZONE
 Chartered City
 Pollution Control Board, Assam

Janata Road, Dibrui Assam
 Ph: 9401004278
 e mail: greenzonedibrui@gmail.com



NOISE LEVEL MEASUREMENT TEST RESULTS

ASSAM PETRO-CHEMICALS LTD.

(A Govt. of Assam Undertaking)

P.O. Patharpara-786623 DIST Dibrugarh, Assam

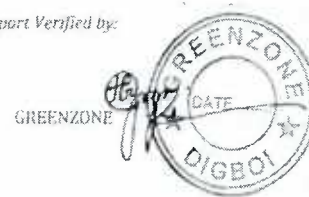
LOCATION	ASSAM PETRO-CHEMICALS LTD.
Date of Measurement	22/12/2018
Work order no	APL/QC/18-19/14(b)/143-47 dated 06.09.2018
Report Reference No.	GZ/NM/APL18/DBR/01

Measurement Results

Sl. No.	Location	Maximum (dB-A)	Minimum (dB-A)	Leq (dB-A)
1	Near Guest House Gate	65.4	60.2	62.8
2	Near Canteen	67.5	63.4	65.5
3	Near Laboratory & Industry Area	73.5	72.1	74.5

Remark: Recorded noise levels are in compliance with the APCB limit (Leq 75 dBA)

Report Verified by:



NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of GREENZONE, Janata Road, Dibrui - 786171, Assam.



21/6/18

Annexure XI

FORM V
(See Rule 14)

Environmental Statement for the financial year ending on 31st March 2019

PART A

- (i) **Name and address of the owner/ occupier of the industry operation or process.**

Mr. Ratul Bordoloi,
Managing Director
Assam Petro-chemicals Limited, Namrup
P.O. Parbatpur, Dist – Dibrugarh
Pin – 786623, Assam

Tel : 03742500331 Fax: 03742500231
Email: admin_apl@assampetrochemicals.co.in

- (ii) **Industry category Primary-(STC Code) Secondary-(STC Code).**

Red Category, 1057 Petrochemical Manufacturing

- (iii) **Production capacity- Units_**

1. Methanol 3000 Tonnes/ Month
2. Formalin 3750 Tonnes/ Month

- (iv) **Year of establishment**

June 1976

- (v) **Date of the last environmental statement submitted.**

Last Environmental Statement was submitted.

PART B

Water and Raw Material Consumption

1. Water consumption m³/ d

Process : 50 m³/day
Cooling : 882 m³/day
Domestic : 1791 m³/day



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Name of Products	Process water consumption per unit of product output	
	During the previous financial year	During the current financial year
For Existing Plant		
(1) Methanol	8.15 m ³ /MT	8.34 m ³ /MT
(2) Formalin	6.15 m ³ /MT	0.68 m ³ /MT
For Proposed Plant		
(1) Methanol	Not Applicable	Not Applicable
(2) Acetic Acid		

2. Raw Material Consumption

*Name of Materials	Name of Products	Consumption of raw material per unit	
		During the previous financial year	During the current financial year
For Existing Plant			
(1) Natural Gas	Methanol	1122 NM ³	1046 NM ³
(2) Methanol	Formalin	0.483 MT	0.485 MT
For Proposed Plant			
(1) Natural Gas	Methanol	Not Applicable	Not Applicable

***Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw material used.**

PART C

Pollution discharged to environment/ unit of output.

(Parameter as specified in the consent issued)

Pollution	Quantity of pollutants discharged (mass/ day)	Concentration of pollutants in discharges (mass/ volume)	Percentage of variation from with reasons
For Existing Plant			



Signature

(1) Water	Enclosed in Annexure V, VI
(2) Air	Enclosed in Annexure III
For Proposed Plant	
(1) Water	Enclosed in Annexure V, VI
(2) Air	Enclosed in Annexure III

PART D

Hazardous Wastes

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

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
For Existing Plant		
(1) Process	1.6 MT	Category 1.6, Spent Catalyst: 713 kg
		Category 5.1, Used Oil: 263 kg
(2) From Pollution Control Facilities	Not Applicable	
For Proposed Plant		
(1) Process	Not Applicable	
(2) From Pollution Control Facilities	Not Applicable	

PART E

Solid Wastes

	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
For Existing Plant		
(1) Process	Nil	Category 1.6, Spent Catalyst: 713 kg

[Signature]



(1) From Pollution Control Facilities	Not Applicable
(2) Quantity recycled or reutilised within the unit	Not Applicable
For Proposed Plant	
(1) Process	Not Applicable
(2) From Pollution Control Facilities	Not Applicable
(2) Quantity recycled or reutilised within the unit	Not Applicable

PART F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Form 4 of Hazardous Waste Annual Return is Enclosed in Annexure XII.

PART G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- We have been adopting green belt development programme for conservation of soil and protection of environment in the plant and office premises.
- In the 500 TPD Methanol project, Zero liquid Discharge (ZLD) philosophy has been provision to reduce effluent emission.

PART H

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

Budgetary allocation for Environmental Management and pollution control systems for the proposed Integrated project is Rs 9 crores at capital cost.

PART I

Any other particulars for improving the quality of the environment.

- Celebration of Environment Day by planting of trees as part of Green Belt development.
- To reduce dust pollution, we used to spray water in and around the 500TPD project site and residential colony area on regular basis.



[Handwritten signature]

ANNEXURE XII

FORM 4

[See rules 6(5), 13(8), 16(6) and 20(2)]

FORM FOR FILLING ANNUAL RETURNS

To be submitted to State Pollution Control Board by 30th day of June of every year for the preceding period April to March]

1. Name and address of facility:

Assam Petro-Chemicals Limited, Namrup
P.O. Parbatpur. Dist - Dibrugarh
Pin - 786623
Tel: 03742160776 Fax: 03742500231
Email: admin_apl@assampetrochemicals.co.in

2. Authorisation No. and Date of Issue:

WB/OTWA/HW-82/05-06/25/1452. Dated 16-12-2011
(Memo No. WB/OTWA/HW-82/05-06/25-A)

3. Name of the authorized person and full address with telephone, fax number and e-mail:

Mr. Ratul Bordoloi,
Managing Director,
Assam Petro-Chemicals Limited, Namrup.
P.O. Parbatpur. Dist - Dibrugarh
Pin - 786623
Tel: 03742160776 Fax: 03742500231
Email: admin_apl@assampetrochemicals.co.in

4. Production during the year (product wise), wherever applicable:

Methanol: 3313 MT (April 2018 to March 2019)
Formalin: 41585 MT (April 2018 to March 2019)

Part A. To be filled by hazardous waste generators

1. Total quantity of waste generated category wise:

(i) Spent Catalyst	: 10 MT
(ii) Used Lubricating Oil	: 4 MT
Total	: 14 MT

2. Quantity dispatched

- (i) To disposal facility : yet to be dispatched
(ii) To recycler or co-processors or pre-processor : NA- 0
(iii) Others : NA 0

3. Quantity utilized in-house, if any - NA 0

4. Quantity in storage at the end of the year -

(i) Spent Catalyst	: 10 MT
(ii) Used Lubricating Oil	: 4 MT
Total	: 14 MT



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Part B. To be filled by Treatment, storage and disposal facility operators

1. Total quantity received –

(i) Spent Catalyst	: 10 MT
(ii) Used Lubricating Oil	: 4 MT
Total	: 14 MT

2. Quantity in stock at the beginning of the year –


(i) Spent Catalyst	: 10 MT
(ii) Used Lubricating Oil	: 4 MT
Total	: 14 MT

3. Quantity treated – *NA* 0
4. Quantity disposed in landfills as such and after treatment – *NA* 0
5. Quantity incinerated (if applicable) – *NA* 0
6. Quantity processed other than specified above – *NA* 0
5. Quantity in storage at the end of the year –

(i) Spent Catalyst	: 10 MT
(ii) Used Lubricating Oil	: 4 MT
Total	: 14 MT

Part C. To be filled by recyclers or co-processors or other users *NA*

1. Quantity of waste received during the year – 0
 - (i) Domestic sources
 - (ii) Imported (if applicable)
2. Quantity in stock at the beginning of the year – 0
3. Quantity recycled or co-processed or used – 0
4. Quantity of products dispatched (wherever applicable) – 0
5. Quantity of waste generated – 0
6. Quantity of waste disposed – 0
7. Quantity re-exported (wherever applicable) – 0
8. Quantity in storage at the end of the year – 0


 Signature of the Occupier or
 Operator of the disposal facility

A.B. Gohain Barua,
By **Manager (QC)**
Assam Petro-Chemicals Ltd
P.O. Parbatpur-786623
Namrup, Assam

Date 29/06/2019

By APL, Namrup

