



Assam Bio Refinery Private Limited

CIN : U74999AS2018PTC018547

Ref.: ABRPL/SECC/19/2020-21

Date: 5th June 2020

To
The Conservator of Forests (C)
Ministry of Environment, Forest and Climate Change
North Eastern regional Office
Near MTC Central Workshop,
Law-u-sib, Lumbatengen,
SHILLONG -79 30 21

Sub: Submission of Half Yearly Compliance report on Environment Stipulation of EC during the period October' 2019 to March' 2020 for Bio Refinery (Bamboo based Ethanol Project).

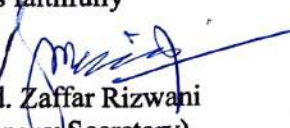
Ref. No: F. No. J-11011/274/2015-IA II (I) dated 19th November 2019

Dear Sir,

Kindly find enclosed herewith the point wise Half Yearly Compliance Status for the period October' 2019 to March' 2019, pertaining to the conditions of EC for Bio Refinery (Bamboo based Ethanol Project), ABRPL vide letter No F.No.J- 11011/274/2015-IA II (I) dated 19 Nov, 2019 from MoEF& CC.

Thanking You,

Yours faithfully


Mohd. Zaffar Rizwani
(Company Secretary)
Assam Bio Refinery Private Limited



Encl.: As above

COMPLIANCE STATUS ON THE CONDITIONS OF ENVIRONMENTAL CLEARANCE FOR SETTING UP BAMBOO BASED ETHANOL PROJECT OBTAINED VIDE LETTER F.NO. J-11011/274/2015-IA II (I) DATED 19TH NOVEMBER 2019 FROM MOEF&CC, NEW DELHI

SL. NO.	SPECIAL CONDITIONS:	COMPLIANCE STATUS
10(a)	The final product shall be used only as a biofuel and not at all human consumption.	Noted for compliance.
10(b)	Consent to establish/operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) act, 1981 and Water (Prevention and Control of Pollution) Act, 1974.	CTE issued by PCBA on 25 th Jan 2019.
10(c)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured, and no waste/treated water shall be discharged.	Noted for compliance.
10(d)	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Noted for compliance.
10(e)	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21 st July, 2010 and amended from time to time shall be followed.	Noted for compliance.
10(f)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Noted for compliance.
10(g)	Solvent management shall be carried out as follows: (i) Reactor shall be connected to chilled brine condenser system. (ii) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (iii) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. (iv) Solvents shall be stored in a separate space specified with all safety measures. (v) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (vi) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (vii) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	Noted for compliance.
10(h)	Total freshwater requirement shall not exceed 2224 cum/day. Prior permission shall be obtained in this regard from the concerned regulatory authority.	Noted for compliance.
10(i)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Noted for compliance.
10(j)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Noted for compliance.
10(k)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Noted for compliance.
10(l)	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.	Noted for compliance.
10(m)	Fly ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind	Noted for compliance.



SL. NO.	SPECIAL CONDITIONS:	COMPLIANCE STATUS
	or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust should be avoided.	
10(n)	<p>The company shall undertake waste minimization measures as below:</p> <ul style="list-style-type: none"> (i) Metering and control of quantities of active ingredients to minimize waste. (ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (iii) Use of automated filling to minimize spillage. (iv) Use of Close Feed system into batch reactors. (v) Venting equipment through vapour recovery system. (vi) Use of high-pressure hoses for equipment clearing to reduce wastewater generation. 	Noted for compliance.
10(o)	The green belt of at least 10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. As many as 25000 trees to be planted per year during first five years. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Noted for compliance.
10(p)	All the commitment made regarding issues raised during the Public Hearing/ consultation meeting held on 15th July 2017 shall be satisfactorily implemented.	Being Complied.
10(q)	At least 2.5% of the total project cost shall be allocated for Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.	Being Complied.
10(r)	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Noted for compliance.
10(s)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Noted for compliance.
10(t)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Being complied.
10(u)	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. In case of the treated effluent to be utilized for irrigation/gardening, real time monitoring system shall be installed at the ETP outlet.	Noted for compliance.



SL. NO.	GENERIC CONDITIONS:	COMPLIANCE STATUS
10.1(i)	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/ or any other statutory authority.	Being Complied.
10.1(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry. In case of deviations or alterations in the project proposal from that submitted to this Ministry, 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 for compliance.
10.1(iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the 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.	Being Complied.
10.1(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November 2009 shall be complied with.	Being Complied.
10.1(v)	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 (daytime) and 70 dBA (night-time).	Being Complied.
10.1(vi)	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Noted for compliance.
10.1(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals 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.	Being Complied.
10.1(viii)	The company shall 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 shall be implemented.	Being Complied.
10.1(ix)	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration, and other stake holders. Also, eco-developmental measures shall be undertaken for overall improvement of the environment.	Being Complied.
10.1(x)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Noted for compliance.
10.1(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the 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.	Noted for compliance.
10.1(xii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied.



10.1(xiii)	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 in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.	Complied. EC copy and Six-monthly compliance status report posted in company website.
10.1(xiv)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned SPCB 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 offices of MoEF&CC by e-mail.	Noted for compliance.
10.1(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/Committee and may also be seen at Website of the Ministry at http://moef.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 concerned Regional office of the Ministry.	Complied. Public notice published on 18.11.2017 in Dainik Janambhumi, Pratidin, Assam Tribune and Sentinel. Copy of the notice published sent to MoEF, RO on 29.11.2017.

