

Six Monthly Environmental Compliance Report of Conditions of Environmental Clearance

(April 2018 to September 2018)

FOR

M/s Boudh Distillery Pvt Ltd

At

**Village: Ramvikata, Po-Titerikata,
Tahsil: Harbhanga, Dist: Boudh, Odisha, Pin-762024**

For Submission to:

Ministry of Environment, Forest & Climate Change (MoEF & CC)

Regional Office (Eastern Zone), A/3, Chandrasekharpur,

Bhubaneswar-751023

Submitted by:

Boudh Distillery Pvt Ltd

September-2018



To

Date: 10th Oct, 2018

The Principal Chief Conservator of Forest, PCCF
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 M/s Boudh Distillery Pvt Ltd for the period April-2018 to September-2018.

Ref: Letter no. J-11011/160/2015-IA II (I) dated 28th October 2016.

Dear Sir,

With reference to the above subject we are hereby submitting 6 monthly compliance report as per the conditions stipulated in the Environmental Clearance issued by Ministry of Environment, Forest & Climate Change vide letter no. J-11011/160/2015-IA II (I) dated 28th October 2016 for Grain Based Distillery plant (2 x 60 KLPD) along with Cogeneration Power plant (2 x 2.5 MW) to Boudh Distillery Pvt. Ltd., at Village Titerikata, Post Ramvikata, Tehsil Harabhanga, District Boudh, Orissa

Our project will be implemented in two phases:

Phase 1: 60 KLPD and 2.5 MW Captive Power Plant (fully Commissioned)

Phase 2: 60 KLPD and 2.5 MW Captive Power Plant, (future plan)

Requesting you to accept the report

With Regards,

For **Boudh Distillery Private Limited**


Ritesh Sahu
Managing Director




Ramesh
15/10/18

PS to APCCF (Central)
GOI, M/o Env. & Forests
Eastern Regional Office
Bhubaneswar-751023

BOUDH DISTILLERY PVT. LTD.

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

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Compliance to the conditions stipulated in the Environmental Clearance issued by Ministry of Environment, Forest & Climate Change vide letter no. J-11011/160/2015-IA II (I) dated 28th October 2016 for Grain Based Distillery plant (2 x 60 KLPD) along with Cogeneration Power plant (2 x 2.5 MW) to Boudh Distillery Pvt. Ltd., at Village Titerikata, Post Ramvikata, Tehsil Harabhanga, District Boudh, Orissa

A. SPECIFIC CONDITIONS

Period of Report: April'2018 to Sep'2018

S.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 50mg/Nm ³ .	We do here by confirm that ESP along with stack of 45 m to each 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 be met from Mahanadi water supply. No groundwater shall be extracted.	We do be here confirm that total fresh water requirement of 1200 m ³ /day will be met from Mahanadi river only. We also confirm that no groundwater will be used for process purposes.
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 DOGS. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment. Treated effluent will be used for make-up water of cooling towers and water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB and recycle/reuse.	Noted and being Complied. The spent wash generation from distillery is below 6 Kl/KL of alcohol. Spent wash is passing through decanter and concentrated in multi-effect evaporator (MEE) to form DWGS. The condensate & lees also recycled and again sent back to process. Treated effluent is used for cooling towers.
iv.	Spent wash shall be stored in SS tank. The storage of spent wash shall not exceed 5 days capacity.	Spent wash is consumed in the process, hence there is no storage of spent wash.
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 3 R'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 discharge practice is maintained. We also confirm to take necessary steps to reduce the water consumption by adopting 3 R's (Reduce, Reuse & Recycle).
vi.	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	We do here by confirm the process effluent / any wastewater is not allowed to mix with the storm water. Storm water will be passed through guard

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S.No.	Specific Conditions	Compliance
		pond.
vii.	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this 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.	Ground water quality monitoring station will be provided around the project area along with Piezometers. Sampling of Ground water will be carried out at these monitoring stations and analysis report comprising of parameters such as pH, BOD, COD, Chloride, Sulphate and total dissolved will be submitted to OSPCB and MoEF&CC on monthly basis.
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.	We have completed commissioning of our Phase-I i.e Distillery Unit of 60KLPD and 2.5 MW Captive Power Plant test running started in June'2018 and after attending to all snags,the final commissioning/commercial production started from 1 st Sep'2018.Continuous online monitoring (24x7) system has been installed within treatment plant and data of treatment plant (ETP) is transmitted online to the server of Odisha State Pollution Control Board. Data will be uploaded in company's web site and will also be provided to MoEF&CC, Regional Office, Bhubaneshwar.
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 only coal.
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 alongwith the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash and coal ash shall be stored separately.	Boiler ash Silo has been installed,ash is stored separately in Silo. Also,Proper care is taken to prevent direct exposure of workers to fly ash & dust. Boiler Ash is given to brick manufacturers.
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	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 system for fire-fighting has been made to control

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S.No.	Specific Conditions	Compliance
	from the alcohol storage tank. DMP shall be implemented.	fire from the alcohol storage tank. A DMP(Disaster Management Plan) has been prepared.
xii.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.	Medical test records of each employee has been maintained separately. First aid boxes are provided in the plant premises.
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 loading and unloading of materials has been provided in the factory premises. We here by confirm to develop and implement good traffic management system for incoming and outgoing vehicles to avoid congestion on the public road.
xiv.	As proposed, green belt over 12 acre of the total project area shall be developed within plant premises with at least 10 meter 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 plantation are in process with at least 10-meter-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 made as per the CPCB guidelines in consultation with the DFO.
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 will be complied.
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 Ramvikata 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	Noted and will be complied. An action plan with item wise financial breakup will be prepared in the due course of time and will be submitted to Ministry's Regional Office, Bhubaneswar.

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S.No.	Specific Conditions	Compliance
	bound manner.	

B. GENERAL CONDITIONS

S.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. We are complying to the stipulations made by SPCB, State Govt. and other Statutory authority to the best of our effort.
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 will be complied.
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 will be complied. Government approved laboratory has already been given contract for certification of ambient air quality report on monthly basis.
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 (nighttime).	We are maintaining noise level within the limit.
v.	The Company shall harvest rainwater from the 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. Thirteen Nos of rain water harvesting pit has been provided at project site to recharge the ground water.
vi.	Training shall be imparted to all employees on	Noted and being Complied. Training on health &

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S.No.	General Conditions	Compliance
	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.	safety aspect is being conducted periodically and records are maintained.
vii.	Usage of Personnel Protection Equipment's (PPEs) by all employees/ workers shall be ensured.	Noted and being Complied. We have provided all kind of PPEs like Safety Shoes, Safety Helmets, Safety belts, Hand Gloves, Goggles, nose masks, ear Muffs 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. Some of the measures taken: 1.We have set up ETP which is fully operational at the time of commencement of commercial production. 2.ESP is installed for abatement of air pollution. 3.Not using ground water for production. 4.Distillery spent wash is processed as cattle feed (DDGS) and sold as bye products. 5. Three layers of saplings planted in the boundary area to create a green belt.
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 will be complied. We have plan to provide drinking water facility, computer education in neighbouring schools. We will also be entering into agreement with local ITI's, Provide scholarship to merit & poor students. We are discussing with Boudh District Education Officer for implementing CSR activity in different schools near our plant.
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 will be complied.
xi.	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 and will be complied. Environment management committee has been framed to carry out the environmental management and monitoring system. We have set up a laboratory to check the parameters in effluent like

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S.No.	General Conditions	Compliance
		COD,BOD,TS,TDS,Conductivity,VA-Fatty Acid, Alkaline,Acidity,Hardness,Silica &turbidity etc. Environmental Management cell is headed by our Plant head. Meanwhile we are also giving training to our employees for inhouse management & monitoring of environment.
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 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.	Capital Cost for Environment Protection for proposed project : Rs. 13.0 Crores Recurring Cost per annum for Environmental protection : Rs. 2.2 Crores
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad/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 already complied.
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 in hard copies 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 sixmonthly compliance status report shall be posted on the website of the company.	Noted and is being complied. We have submitted the report for the below mentioned period: 1. Oct'2016 to Mar'2017 2. Apr'2017 to Sep'2017 3. Oct'2017 to Mar'2018
xv.	The environmental statement for each financial year ending 31st 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	Noted and being complied.We will soon submit our Environmental Statement for the financial year ending 31 st Mar'2018.(FY 2017-2018).Please note that we have started our commercial production from 1 st Sep'2018 onwards, hence we will not be able to provide production related

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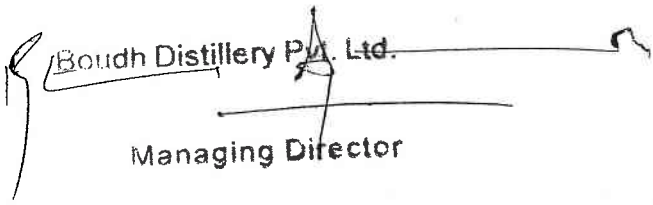
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S.No.	General Conditions	Compliance
	also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	data for the period 1 st Apr'2017 to 31 st Mar'2018
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 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.	Advertisement has 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 will be complied.

 Boudh Distillery Pvt. Ltd.
Managing Director



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