

No./HYL/ENV/MOEF CL/01/2019-20

Date 10.01.2020

To,

The Additional Principal Chief Conservator of Forest (C)
Ministry Of Environment Forest & Climate Change
Kendriya Sadan, 4th Floor, E & F Wing, II Block, Koremangala,
Bangalore- 560034.

Dear Sir,

Sub.: Submission of Six Monthly compliance report to the MOEF Clearance issued for 50KLPD Distillery plant and 24 MW Co-generation plant.

Ref.: 1. EC No. F. No J-11011/47/2007-Ia, II(I) dated October 18th 2007.

2. Your Office letter No EP/12.1/640/KAR/8138 Dated 8th March 2016.

With reference to the above please find here with the Six Monthly compliance report to the MOEF Clearance issued for 50KLPD Distillery plant and 24 MW Co-generation plant .

This is submitted for your kind information and record please.

Thanking you,

For E.I.D.Parry (i) Ltd, Haliyal



J. Venkata Rao

Sr. Associated Vice President

Encl : Compliance report with all enclosures

C.C. The Adviser ,MOEF &CC Kendriya Sadan, 4th Floor, E & F Wing, II Block, Koremangala,
Bangalore-560034.

E.I.D.PARRY (I) LTD. HALIYAL**COMPLIANCE REPORT TO THE M.O.E.F. CLEARANCE ISSUED FOR SUGAR 6000TCD, COGEN 34 MW DISTILLERY 90KLPD AND POWER FROM INCINERATION BOILER 3 MW.****EC NO: F.No.J-11011/336/2012-IA II (I) Date 04.02.2015**

Sl.No.	Specific Conditions	Compliance Status
i)	Compliance to all the specific and general conditions mentioned in the existing environmental clearance letter no.J-11011/47/2007-IA.II (I) dated 18.10.2007 shall be ensured	We are complying all the specific and general conditions mentioned in the existing Environmental Clearance letter NO J-11011/47/2007-IA II(I) dated 18.09.2007.
ii)	Environment clearance accorded is for molasses based distillery unit (90 KLPD) only and no grain based distillery unit shall be operated without prior permission from the Ministry.	Agreed.
iii)	ESP along with stack of adequate height will be provided to bagasse fired boiler (45 TPH) Bag filter along with stack of adequate height will be provided to spent wash fired boiler (10 TPH) to control particulate emissions within 50 mg/Nm ³ . At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	We have installed two field Electrostatic Precipitator and Stack height as per CPCB guidelines to control the emissions from the 45 TPH Bagasse fired Boiler of Cogeneration plant . The Bag filter is installed for the 10 TPH Boiler fired on spent wash and coal and maintain the particulate emissions within the prescribed limits of KSPCB We have also installed online monitoring system for distillery boiler for analyzing particulate matter, Sox and NOx..We are regularly submitting monthly report to regional office Karwar of online emission monitoring.
(iv)	In plant, control measures for checking fugitive emission from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals / materials, multi cyclone separator 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 and records shall be maintained. The emissions shall conform to the limits prescribed by Karnataka State Pollution Control Board (KSPCB).	We have taken care of control measures for checking fugitive emission from all the vulnerable sources. Fugitive emissions are being followed and controlled by providing closed storage, closed handling & conveyance of chemicals / materials, and water sprinkling system. Dust suppression system including water sprinkling system is provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. are regularly monitored and records are maintained. The emissions are conforming and within the limits prescribed by Karnataka State Pollution Control Board (KSPCB).
v)	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	We have provided the stack of adequate height and Acoustic enclosure to all DG sets as per CPCB guidelines to mitigate the noise pollution. The analysis reports are enclosed as Annexure-I
vi)	The company shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to	Agreed and complied. We have installed Online monitoring system for ETP treated effluent and Stack of 10 TPH Boiler and results are connected to

	the Regional office of MOEF, the respective Zonal Office of CPCB and the KSPCB. The levels of PM10, PM2.5, SO2, NOx, CO and HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	CPCB, KSPCB server. We have displayed the board near main gate showing the levels of PM10, PM2.5, SO2, NOx, CO and HC (Methane) in ambient air.
(vii)	Pucca approach road to project site shall be constructed prior to commencing constructions activity of the main distillery to avoid fugitive emissions.	Completed
(viii)	Total fresh water requirement from Kali river for distillery and sugar along with cogeneration shall not exceed 3161 m3 / day. Prior permission for the drawl of 3161 M3/day water shall be obtained from the Competent Authority. Water consumption shall be reduced by adopting 3 R's (Reduce, Reuse and Recycle) concept in the process.	We are regularly monitoring the water quality and recycle ,reduce the water according to the requirement. Our raw water consumption is well within the norms of 3161 m3/day. Complied.
(ix)	Spent wash generation from molasses shall not exceed 8 KI/KI of alcohol produced (ie., 720 M3/day). The spent wash from molasses based distillery will be concentrated in MEE and concentrated spent wash will be incinerated in incineration boiler to achieve zero discharge. Condensate water and treated spent lease will be reused as dilution water for fermentation, cooling tower and boiler make up.	The spent wash generation is 8 KL/KL of Alcohol produced. The spent wash generated is evaporated in Multiple Effect Evaporators and the concentrated spent wash is used as fuel for 10 TPH boilers. The condensate from the evaporator is treated in the ETP and used for process Complied.
(x)	Wastewater generation from the sugar unit shall not exceed 100 liters per tonne of cane crushed ie.,600 M3/day. Effluent from sugar unit shall be treated in the effluent treatment plant (ETP). Water quality of treated effluent shall be monitored regularly. In any case, no waste water / treated effluent shall be discharged into river / natural stream. Domestic effluent shall be treated in treatment plant	Wastewater generation from the sugar unit is well within the norms of 100 liters per tonne of cane crushed ie.,600 M3/day. Effluent from sugar unit is treated in the effluent treatment plant (ETP) and used for on land irrigation and green belt development. Water quality of treated effluent is monitored regularly. No waste water / treated effluent is discharged into river / natural stream. Domestic effluent is treated in treatment plant. Complied.
(xi)	Spent wash shall be stored in impervious lagoon with HDPE lining as per CPCB guidelines and shall be kept in proper condition to prevent ground water pollution. Storage capacity of spent wash lagoon shall be for 5 days.	The spent wash is stored in impervious lagoon of RCC with HDPE lining and are kept in proper condition to prevent ground water pollution. As per the CPCB recommendations, storage is not exceeding 05 days capacity
(xii)	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 Bangalore and KSPCB.	We are analyzing the sample on monthly basis with KSPCB and also with KSPCB approved third party. Ground water quality is well within the stipulated standards. Complied.
(xiii)	Process effluent / any waste water shall not be allowed to mix the storm water. Storm water drain shall be passed through guard pond.	No process water is allowed to mix the storm water drain. Separate drains are provided for storm water.

		Complied.
(xiv)	As proposed, no effluent from sugar, distillery, and co-generation power plant shall be discharged outside the premises and Zero effluent discharge concept shall be followed.	We are utilizing our treated water in our own cane farm and no water is discharged outside the premises. We are following zero effluent discharge concept.
(xv)	Bagasse storage shall be done in such a way that it does not get air borne or fly around due to wind. Fly 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 and dust shall be avoided.	We are having bagasse storage yard and provided with barricade with MS structure and Galvalume sheets to avoid the flying of bagasse particles due to wind. We are providing PPE for the workers working in bagasse yard. Complied.
(xvi)	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 avoided. Bagasse ash and coal ash shall be stored separately.	We are storing the boiler ash as per CPCB guidelines without affecting the air quality during wind or water regime during rainy season. Complied.
(xvii)	Firefighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting shall be made to control fire from the alcohol storage tank.	We have provided pucca firefighting system in distillery with provision of foam system to control fire from alcohol storage tank, under emergency. Complied.
(xviii)	Risk assessment should be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to the Ministry and its Regional office at Bangalore within six months.	We are regularly submitting to the ministry and regional office at Bangalore at every six months Complied..
(xix)	Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the regular medical test records of each employee should be maintained separately.	We have under taken the Occupational Health Surveillance programme as a regular exercise for all the employees. The first aid facilities in the occupational health centre is maintained separately. Regular medical test records of each employee are maintained separately. Complied.
(xx)	Dedicated parking facility for loading and unloading of material shall be provide 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.	We are having separate parking facility for raw material lorries and systems are well developed to avoid congestion on the public road. Complied.
(xxi)	Green belt shall be developed in 85 acres of land out of total land of 226 acres 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. Unit shall prepare year-wise greenbelt development plan to achieve target of 85 acres greenbelt and submit to the Regional office. Each year achievement also be submitted to the	Agreed and complied. Green belt of adequate width and density in 95 acres of the plant area has been developed. We have done the plantations of about 27859 saplings in our premises. This year we have already planted 1325 saplings in and around the factory premises. Photographs are enclosed as

	Regional Office.	Annexure –II
(xxii)	All the commitments made during the Public Hearing / Public Consultation meeting held on 23 rd May, 2014 should be satisfactorily implemented and adequate budget provision should be made accordingly.	Complied..
(xxiii)	At least 5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details should be prepared and submitted to the Ministry's Regional office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.	Budget provisions are made regularly for ESC and implemented accordingly Complied..
(xxiv)	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 so that there is no impact on the surrounding environment.	Agreed.

B. GENERAL CONDITIONS:

(i)	The Project authorities must strictly adhere to the stipulations made by the Karnataka State Pollution Control Board (KSPCB), State Government and any other statutory authority.	Agreed and complied.
(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.	No further expansion will take without prior approval from Ministry of Environment and Forests..
(iii)	The location 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 station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Ambient air quality monitoring stations have been identified at three places in consultation with KSPCB .ETP, Maingate entrance and at distillery) in the downwind direction as well as where maximum ground level concentration of SPM, SO ₂ , Nox are anticipated. Regular monthly monitoring was carried out and the monitored results are submitted to KSPCB. The reports are attached as Annexure-III.
(iv)	The National ambient Air quality Emission Standards issued by the Ministry vide G.S.R.No.826(E) dated 16 th November,2009 shall be followed.	Complied.
(v)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise	The overall noise levels in and around the plant area are kept well within the

	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., 75dBA (day time) and 70 d BA(night time)	standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation The ambient noise levels are confirm to the standards prescribed under EPA Rules, 1989 viz. 75 dB A (day time)and70 dB A (night time).The Noise monitoring reports are attached
(vi)	The company shall harvest rainwater from the roof tops of the building 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.	. We are having adequate numbers of Rain water drains, storm water pits, to recharge the ground water Complied..
(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.	We have given Training to all employees on Safety and Health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees are undertaken on regular basis. Training to all employees on handling of chemicals is imparted. Complied.
(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.	Training to all employees on Safety and Health aspects of chemicals handling has been provided. A well-equipped primary health center is being maintained. Pre-employment and routine periodical medical examinations for all employees are undertaken on regular basis and records are maintained. Training to all employees on handling of chemicals is imparted Complied..
(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.	Adequate measures are taken to comply the direction. CSR activities are taken up to improve the socio – economic conditions in surrounding area, like Balwadi schools, education to the poorer. Medical facilities in rural areas, Roads to villages, drinking water arrangement to nearby villages, desilting ponds every year etc., Complied.
(x)	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Several CSR activities to uplift the socio-economic conditions of surrounding area involving local villages and administration are being taken up In and around Haliyal pond desilting work taken up to recharge ground water for the

		improvement of environment.. 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.	<p align="center">A separate Environmental Management cell is set up comprising of</p> <p>Mr. J. Venkatarao, Sr. AVP works</p> <p>Mr. Kanagasabai,, AGM Process</p> <p>Mr. K. Venu Gopal, Sr.Manager Process</p> <p>Mr. Alam Shah, Sr. Man Distillery,</p> <p>Mr. Thirumal, Manager QA</p> <p>Established well equipped Laboratory. Online flow meter for discharge and Online stack monitoring are provided and they are connected to CPCB server.</p> <p>Complied.</p>
(xii)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment management / pollution control measures shall not be diverted for any other purpose.	<p>Sufficient funds are provided in capital cost for environment protection for environment management/pollution control measure every year..</p> <p>Complied.</p>
(xiii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla panchayat / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal.	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 KSPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	<p>Environmental clearance and six monthly compliance report are posted in the website of the company.</p> <p>Complied.</p>
(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 status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF by e-mail.	<p>Submitted regularly to the regional office</p> <p>Karwar within the stipulated time.</p> <p>Complied.</p>
(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://moef.nic.in . this shall be advertised within seven days from the date of issue of the	<p>A notice of unit expansion from 4800TCD to 6000TCD, Cogeneration power plant from 24MW to 34MW and Distillery plant from 45KLPD to 90KLPD is advertised in local newspaper and it</p>

	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.	was informed and have already submitted a copy of their advertisement to the regional office Complied..
(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.	Agreed.
8	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
9	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Agreed.
10	The above conditions will be enforced, inter-alia under the provisions of the Water (prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environmental (Protection) Act, 1986 Hazardous waste (Management, handling and Trans-boundary Movement) (Protection) Rules, 2008 and the Public liability Insurance Act, 1991 along with their amendments and rules.	Agreed.
11	The environmental clearance is issued for Expansion of Integrated Sugar Complex (Sugar, Distillery and Cogeneration Power Plant) at village Hullatti & Alloli, Taluk, Haliyal, District Uttar Kannada, Karnataka to M /s. EID parry (India) Ltd.,	Agreed.

For E.I.D.Parry (i) Ltd, Haliyal



J.Venkata Rao

Sr.Associate Vice President

