

Jamkhandi Sugars Ltd.

ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ನಿ. ಜಮಖಂಡಿ.

GSTIN No : 29AAACJ8575C1ZD



© OFF : 254161/2/3/4 STD : 08353
Tele Fax : 08353 - 254160.
CIN No. U85110KA1993PLC014570
CUG No. 7022022148 / 149

Ref: JSL/ADM/KSPCB/2018-18/1950

Date: 10.10.2018

To,
Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board.
Sector No.7, By pass Road, Navanagar
BAGALKOT. Karnataka State. E-mail: bagalkot@kspcb.gov.in

Sub: Submission of compliance report reg

Ref: Your letter No: KSPCB/RO(BGK)/17 Cat/2018-19/1770 Dated:19.09.2018 received on 24.09.18

Dear Sir,

We are in receipt of your above referred letter on 24.09.2018 and we give below our compliance on point wise directions issued through above referred letter.

Compliance with regard to sugar plant.

Point 1) Operation of ETP shall be started at least one month before starting of cane crushing to achieve desired MLSS so as to meet the prescribed standards from day one of the operation of mill.

Compliance

report: The sugar ETP is already in operation and we will get the required MLSS as prescribed by the standard from day one of crushing season.

Point 2) All the units of the ETP should be labeled along with dimensions and ETP flow chart to be displayed at the entrance of the ETP. The water consumption logbook and ETP logbook shall be maintained. The good housekeeping in and around the ETP to be maintained.

Compliance report: All the equipments of ETP system are labeled along with dimensions and flow chart displayed. Log book for ETP operation is being maintained.

Point 3 & 4) The necessary technologies have to be adopted to reduce waste water generation per ton of cane crushed. Steps have to be taken to achieve zero discharge in inland surface water bodies. The pipe lines (except raw water pipeline) connecting nearby water bodies and the industry to be disconnected on top priority.

Compliance report: We are adopting latest technologies in the sugar plant to reduce effluent generation and it is maintained well below the prescribed limit. We are not making any discharge to the surface water body and the treated water is being used for irrigation of cane field, and greenery in the plant.

Point 5) To provide 15 days storage capacity for treated effluent to take care of no demand for irrigation.

Compliance report: 15 days treated water storage is in use.

Point 6) Agriculture management plan for utilizing treated trade effluents on land for irrigation along with survey numbers and extent of land on which the treated trade effluent are applied along with the permission/acceptance letter from the land owners if it is private land. The map showing the industrial premises and land available for irrigation to be furnished.

Compliance report: The list of cane growers along with details of land for whom we are giving the treated effluent as per there request along with field map will be submitted in another 15days before start up of cane crushing season.

Point 7) The emission control equipments such as ESP/Bag filter/high efficiency scrubber are to be kept intact so as to meet the standards for particulate matter as per consent condition. The logbook to be maintained to record energy consumption of air pollution control equipment on hourly basis.

Compliance

report: The air pollution control equipments ESP, high efficiency wet scrubber were undergone annual maintenance work and it is ready for use to control the emission to the permitted extent. Log book will be maintained.

Point 8) The online continuous effluent monitoring system at the out let of sugar plant ETP for the measurement of parameters like flow, pH, COD, BOD, TSS r and monitoring data shall be connected & up loaded to CPCB/KSPCB server on continuous basis installed to the ETP and emission monitoring system has to be linked to the CPCB website on top priority. The calibration of the same has to be carried out in presence of the officers of the Board.

Compliance

report: Online continuous monitoring equipments were checked by equipment supplier and calibrated and it is in use.

Point 9) The copy of "Environmental Clearance" obtained from MOEF/SEIAA to be furnished along with the compliance to the stipulated conditions. The details of treatment method adopted in comparison to the said clearance shall be furnished for treating Effluent generated from Sugar Mill.

Compliance

report: The copy of environment clearance along with treatment method adopted will be furnished before startup of cane crushing season.

Compliance with regard to Distillery plant.

Point a) **Flow Meter:** Online flow meters with data recording facility which should be transmitted online to CPCB shall be installed at the raw spent wash/ whole stillage generation line and the concentrated spent wash /whole stillage/ thick syrup connecting to the final storage lagoon/tank before bio-composting/incineration dryer.

Compliance

report: Digital flow meters were installed on the line of spent wash at the distillation column outlet and one digital flow meter at the feed point to the multiple effect evaporator and one more flow meter at the utility point of incineration boiler. All physical works were completed to connect server of CPCB. Now it is live with CPCB server.

Point b)

PTZ cameras: The cameras should be IP camera with PAN, TILT Zoom, 5x or above focal length, with night vision capability and should be installed at relevant locations of bio-composting yard/DWGS/DDGS production area/incineration area and final spent wash storage lagoon/conc. spent wash storage tank, as applicable. The camera feed should be integrated with all camera controls (pan, zoom, tilt) and shown on central platform, where data on other parameters (effluent monitoring/flow meters/emission monitoring) is displayed/ submitted. The camera feed shall be provided without pre-requirement of any plug-in software for data display or data submission and shall be available in the Google chrome browser.

Compliance report: As directed an IP camera has been installed at the spent wash storage lagoon and all connectivity works were done. It is live now.

Point 2) Online Emission Monitoring System: Distilleries (molasses or grain based) which are having dedicated boilers in the distillery premises, as per the "consent to operate" from SPCBS shall provide Online continuous stack emission monitoring system at the designated out let point (as specified by SPCB) for the boiler stack and incineration boiler (if any) with required real time data logging and

data transmission facility to SPCB and CPCB for the Particulate Matter parameter. The location of device shall be according to the Emission regulation Part -III document of CPCB. (The data connectivity platform for the above systems shall be separately provided for the distillery units and not along with the attached sugar industries).

Compliance

report: The earlier established online emission monitoring system was inspected and calibrated by supplier and it is in use. Recently due to lightning one PCB got damaged, so now the control PCB was sent to the supplier for repair and after repair it will be installed and system will be online.

Point 2a) Compliance to be made to all the conditions stipulated under CREP and latest consent order issued by the Board & submits latest point wise compliance to consent conditions.

Compliance report: Compliance report submitted to CPCB with copy to Karnataka State Pollution Control Board.

Point 2b) The self monitoring through MOEFCC approved laboratory to be carried out as per consent condition & reports of treated trade effluent, sample of emissions, AAQM & ground water of the wells situated in agricultural where treated trade effluent is used for irrigation to be submitted.

Compliance

report: We are engaging a approved Environment Health and Safety agency to monitor stack, liquid effluent, AAQM, ground water, sampling and analysis in monthly basis, reporting is being submitted regularly.

Point c) The hazardous waste generated to be stored in a scientific manner & to be disposed to authorized recycles /re-processor/incinerator. Form-3 to be maintained on monthly basis. The display board installed near the main gate to be updated.

Compliance

report: Hazardous waste is being handled as per the standard condition and Form-B is monitoring on regular basis. Display board at main gate is updated.

Point d) The power point presentation to be prepared including the following points & the same to be maintained and updated to show it to the Board officials during their visit to the industry and copy of the same to be submitted to this office.

Brief history of the industry, layout map of the industry, list of raw materials and consumption in MT/Month, list of products in MT/Month, process flow sheet, Water & material balance, photographs of flow meters provided, ETP & air pollution control measures provided as per consent condition, agriculture management plan, location details of the bore wells provided around the industry to monitor ground water quality, Solid waste generated & disposal method adopted, Hazardous waste generation, storage & its disposal, photo graphs showing online monitoring system installed to ETP & stacks along with calibration certificate & CPCB server URL, ID & Password.

Compliance report: The direction will be carried out as per standard procedure.

Kindly accept our compliance and we are ready to do any other directions coming from the board.

Thanking You

**Yours faithfully,
For Jamkhandi Sugars Ltd.,**



**V. SIVAPRAKASAM
Managing Director**

cc: The chairman, KSPCB, Bangalore.

Page 3 of 3