

**Central Pollution Control Board
East Arjun Nagar
Delhi 110032**

B-410/ /DIST ONLINE/ PCI-III/2K15-16

December 23, 2016

Sub: Circular regarding Installation of on line monitoring system in Distillery:-

With reference to directions issued under section 5 of the Environment (Protection) Act, 1986 regarding installation of on-line effluent and emission monitoring system to distilleries on 24th July, 2015, CPCB had already clarified the requirement for the online monitoring systems for ZLD units and units permitted to discharge and also on the data submission procedure vide following documents uploaded in the CPCB website at the link http://cpcb.nic.in/Online_main.php

- ❖ The revised parameters to be monitored sector wise.
- ❖ Frequently Asked Questions (FAQ) related to online monitoring system.
- ❖ Online CEMS data submission procedure at CPCB.

In furtherance to these documents, the specific requirements for the installation of online devices and data transmission to CPCB are again reiterated below for the information of the distillery units and this shall not relate to any exemptions or relaxation in the prescribed/stipulated time frames for compliance to CPCB directions.

1. Online Effluent Monitoring System:

i) Distilleries (molasses or grain based) which are permitted to discharge treated effluent outside the premises, as per the "consent to operate" from SPCBs:

On line effluent monitoring system for pH, BOD, COD, TSS, flow parameters shall be installed at the designated out let point (as specified by SPCB) and data to be submitted to CPCB as per the procedure already specified.

ii) Distilleries (molasses or grain based) which are adopting zero liquid discharge of industrial effluent, as per the "consent to operate" from SPCBs:

Online flow meters & PTZ cameras are required to be installed as given below;

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

For distillery plants having advanced integrated multiple effect evaporators where concentrated spent wash/whole stillage is being directly generated, flow meters with similar specification shall be installed with data connectivity to CPCB and SPCB at the concentrated **spent wash /whole stillage/thick syrup** line connecting to the

final storage lagoon/tank before bio-composting/incineration/dryer and at the **alcohol production line** for assessment of concentrated spent wash generation ratio.

- 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.

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.

Note: The data connectivity platform for the above systems shall be **separately provided** for the distillery units and not along with the **attached sugar industries**. As already specified, the distillery units shall also provide the details of the industry and the online devices at the registration portal <http://assetlogiciq.com/> separately (not along with sugar units)

Central Pollution Control Board

Copy to,

- 1. The In-charge, I.T Division -** for uploading in the CPCB website, please