Speed Post

B-190198/NGRBA(RG)/CPCB/Distillery/39/2016-17 16220 Jan 02, 2017

To,

M/s Riga Sugar Co. Ltd., (Distillery Division)
Dhanuka Gram Riga, P.0.Riga,
District-Sitamarhi, Bihar – 843327

DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act,1986 and the rules framed there under; and

WHEREAS, the Ministry of Environment & Forests, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act,1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules,1986; and

WHEREAS, it is obligatory on the part of industries to install effluent treatment plants (ETPs) to comply with the effluent discharge standards as notified under the Environment (Protection) Act, 1986 and the Rules framed thereunder and also to meet the consent conditions granted by State Pollution Control Board (SPCBs) / Pollution Control Committees (PCCs); and

WHEREAS, M/s Riga Sugar Co. Ltd., (Distillery Division), Bihar (hereinafter referred as 'the Unit') is involved in the production of extra neutral alcohol and rectified spirit using molasses as raw material and;

WHEREAS, CPCB, issued direction dated April 07, 2017 under section 5 of Environment Protection Act, 1986 to the unit to close down manufacturing operation of the unit till installation of online monitoring system and providing connectivity of OCEMS to CPCB server; and

WHEREAS, the unit vide letter dated 28.04.2017 has informed that the unit has installed flow meters and cameras required for ZLD units and has provided connectivity of these systems to CPCB, and the same has been verified by the IT Division, CPCB; and

WHEREAS, CPCB, issued direction dated June 16, 2017 to the unit, to resumes its manufacturing operations and to comply with the following directions;

(Contd..2/-)

1. The unit shall submit following reports duly validated by reputed institutions like National Sugar Institute, Kanpur, Vasantdada Sugar Institute, Pune and IITs to CPCB and SPCB within 60 days:
   a) Assessment of the manufacturing technology for generation of spent wash and adequacy assessment of ZLD system comprising of Biomethanation, RO, MEE, composting/incineration system and steam availability, etc.
   b) Water audit and mass balance reports to establish spent wash generation rate,
   c) Action Plans to achieve Zero Liquid Discharge(ZLD),
   d) To restrict lined effluent storage capacity to 30 days, and
   e) Assessments of availability of press mud, compost yard, composting process, sell of compost and compost quality.
2. The unit shall install mass flow meters with totalizer at inlet of ROs/MEE, outlet of MEE and to make arrangement for continuous online transmission of spent wash flow measurements (namely Weak Spent Wash, Strong Spent Wash)/ web camera data of Spent Wash generation, concentration & MEE operation by providing linkage to CPCB & SPCB servers within 75 days.
3. The unit shall identify recipient drains/ rivulets and their u/s & d/s locations in consultation with SPCB for monthly monitoring by industry to ensure ZLD from distilleries within 30 days. The monitoring report shall be submitted to CPCB on monthly basis.
4. The unit will provide documentary support for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10th of every month) to CPCB/SPCB.

AND WHEREAS, unit has submitted the adequacy assessment report validated by VSI, Pune dated 09.10.2017 and as per the adequacy assessment report, following observations are made;

1. Distillery division effluent treatment plant was found satisfactory considering the spent wash generation and available spent wash effluent treatment system.
2. The unit has installed CSTR digester with higher retention time and higher organic loading rate are sufficient to achieve desired reduction of COD in the range of 60-65%.
3. The unit has installed two mass flow meters.
4. The unit is advised to install condensate Polishing unit (CPU) on priority basis for treatment of evaporation condensate and spent less from distillation plant.
5. Process condensate and treated condensate should be analyzed for Ph, conductivity, BOD, COD, TS, TDS, TSS.
6. It is advised to install piezometer at requisite positions.
7. The spent wash generation is estimated to be 7.93 L/L of alcohol production.
8. The unit has placed order for mass flow meter.
9. The unit should take care of green belt surrounding the bio-composting yard.
10. The unit has identified the recipient drains, rainy season Nala, which is about 200 mtrs upstream towards west direction & downstream towards east direction.

AND WHEREAS, the unit has not complied with the following CPCB direction issued June 16, 2017;

(Contd..3/-)

1. The unit has not completed the installation and connectivity of mass flow meters at the inlet and outlet of MEE.
2. The unit has not provided the copy of records of alcohol/rectified spirit production, spent wash generation (namely weak spent, strong spent wash) details of MEE operations, mass flow meter readings connected with CPCB server etc. on monthly basis (by 10th of every month) to CPCB/SPPCB.
3. The unit has not carried out monitoring of the identified recipient drains at u/s & d/s location through Environment Protection Act, 1986 recognised lab and shall submit the analysis report on monthly basis (by 10th of every month) to CPCB/SPCB.

AND WHEREAS, the unit is required to implement the following besides other pollution control measures;

1. To complete installation & establishing connectivity of mass flow meter at the inlet and outlet of MEE within 15 days from the date of issuance of direction and shall provide connectivity of mass flow meter to CPCB /SPCB server.
2. To install CPU for treatment of evaporation condensate and spent less from distillation plant.
3. To install piezometer at requisite position.
4. To analysed raw spent wash, untreated and treated process condensate water regularly.
5. To strictly avoid any contamination of spent wash with water of adjacent nallah.
6. For smooth functioning of standalone evaporation plant, it is advisable to add two bodies as standby evaporators one for first three effects and another for last three effects.
7. To provide copy of records of alcohol/rectified spirit production, spent wash generation (namely weak spent, strong spent wash) details of MEE operations, mass flow meter readings connected with CPCB server etc. on monthly basis (by 10th of every month) to CPCB/SPPCB in the prescribed format (enclosed).
8. To carry out monthly monitoring of the identified recipient drains at u/s & d/s location through Environment Protection Act, 1986 recognised lab and shall submit the analysis report on monthly basis (by 10th of every month) to CPCB/SPCB.
9. To use concentrated spent wash: press mud ratio of 1:1.6 and shall provide documentation support for procurement/ availability of press mud, sell of compost and compost quality on monthly basis (by 10th of every month) to CPCB/SPPCB in the prescribed format (enclosed).
10. To submit the implementation status report of action taken against the recommendation of adequacy report within 15 days and shall submit the revalidated adequacy assessment report carried out by the institute which has conducted adequacy of assessment and submit the reports within 45 days after resumption of operation.

AND NOW, THEREFORE, in view of the units non compliance to CPCB directions dated June 16, 2015 and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, notice is served herewith to **show cause why the environmental compensation should not be imposed to the unit (**M/s Riga Sugar Co. Ltd., (Distillery Division), Bihar**) and why the unit should not be closed down** for non

(Contd..4/-)

implementations of the directions till all observations and all necessary pollution control measures are planned and implemented so as to comply with the prescribed direction dated 16 June, 2017 to the satisfaction of CPCB.

You are hereby given an opportunity to file your objections (if any) to the above proposed direction within 15 days from the receipt of this notice, failing which appropriate action shall be taken against the Unit without giving any further notice, in accordance with provisions of the Environment (Protection) Act, 1986.

(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to;

1. The Member Secretary
   Bihar State Pollution Control Board,
   Beltron Bhawan, Shastri Nagar,
   Patna – 800 023
   :With request to ensure that the unit complies with the directions

2. The Advisor (CP Division)
   Ministry of Environment, Forest & C.C
   Prithvi Block, Indira Paryavaran Bhawan,
   Jorbagh Road, New Delhi – 110 003
   : For Kind information, please

3. The Regional Director, East
   Regional Directorate
   Central Pollution Control Board
   Southernd Conclave, Block 502,
   5th & 6th Floors 1582 Rajdanga Main Road
   Kolkata – 700 107(W.B.)
   : For follow up and ensuring compliance

4. The In-charge, IT Division, CPCB
   For follow up please

5. Master file/Guard file, WQM II, CPCB, Delhi

(A SUDHAKAR)
MEMBER SECRETARY

Central Pollution Control Board Format for evaluation of Distillery ETP performance

Format-1 For Distillery

Adress:

Capacity of the distillery:_________KLPD,____________ Lac lit/annum

Distillery ETP Configuration: ------------ + ------------ + -------------- + ----------

Spent wash concentrationm section											
Date	Total alcohol production	Raw Spent wash generation as per online mass flow meter		Spent wash generation per liter of alcohol produced	Raw Spent wash Total Solids	Cumulative Raw Spent wash generation as per online mass flow meter	Conc. Spent wash generation as per online mass flow meter		Conc. Spent wash Total Solids	Cumulative Conc. Spent wash generation as per online mass flow	Condensate quantity generated
	Lits/day	MT/Hr	MT/Day	Lit/Lit	%	MT	MT/Hr	MT/day	%	MT	MT/Day

Note- Where per day data is not available, distillery can provide per month or per two months data

Central Pollution Control Board
Format for evaluation of Distillery ETP performance

Format For CPCB Approved Vendors

Name of the distillery:

Adress:

Capacity of the distillery:_____KLPD,_____ Lac lit/annum

Date	Raw Spent wash generation as per online mass flow meter		Cumulative Raw Spent wash generation as per online mass flow meter totaliser	Conc. Spent wash generation as per online mass flow meter		Cumulative Conc. Spent wash generation as per online mass flow meter totaliser	Whether continuty of connectivity of cameras installed at bio-compost/spent wash storage is maintained	If continuety of connectivity is not maintained, please specify the duration of iterruption & reason
	MT/Hr	MT/Day	MT	MT/Hr	MT/day	MT	Yes/ No	

Central Pollution Control Board Format for evaluation of Distillery ETP performance

Format-2 For Distillery (Bio-composting/Incineration section)

Name of the distillery:

Adress:

Capacity of the distillery:_________KLPD,____________ Lac lit/annum

Distillery ETP Configuration: ------------ + ------------ + -------------- + ----------

	BIOCOMPOSTING																INCINERATION BOILER					
Date	Press Mud Cake (PMC) Procured	Press Mud Cake (PMC) consumption		Concentrated Spent wash consumption			Concentrated spent wash to PMC ratio achieved	Distance travelled by aerotiller machine			Bio-compost Produced	Quality of Bio-compost				Bio-compost Sold	Slop (Concentrated spentwash) feed to the incinerator		Subsidari fuel feed to the incinerator		Steam Generation from incineration boiler	
	MT	MT/ Windrow	MT/ Month	Totalizer Reading	MT/ Windrow	MT/ Month		M-1 Km/day	M-2 Km/day	M-3 Km/day	MT/ Annum	N (%)	P (%)	K (%)	Moisture (%)	MT/ Annum	MT/hr	Totaliser reading, MT	MT/hr	Totaliser reading, MT	MT/hr	Totaliser reading, MT

Note- Where per day data is not available, distillery can provide per month or per two months data. Fill-in only applicable data