



महाराष्ट्र राज्य सहकारी साखर कारखाना संघ लिमिटेड

Maharashtra State Co-op. Sugar Factories Federation Ltd.

(Registered under Sec. 10 of Bombay Co-op. Societies Act. 1925)
"SAKHAR BHAVAN", 11th Floor, 230, Nariman Point, Mumbai - 400 021.

Ref.No.F/317/2017-18

Date: 19/08/2017

To,
The Managing Director,
All Member Factories in Production.

Sub:- Directions of the Standing Committee on Sugar
Development Fund- information to be furnished by sugar
factory at the time of applying for SDF loan-Reg.—

Ref:- Letter-GOI No.II-21/2017-SDF, dated 2/8/2017.

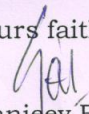
Dear Sir,

Please find enclosed a letter received from the Under Secretary, SDF, Govt. of India, Ministry of Consumer Affairs, Food & Public Distribution, Department of Food & Public Distribution, Krishi Bhavan, New Delhi, regarding the information from sugar Sector that adopting means of water conservation to reduce water consumption and generation of waste water discharge by the sugar factories and molasses based distilleries. Also, the sugar factories have to submit an undertaking for the strict compliance of CPCB guidelines while applying for SDF loan. Further, the sugar factories applying for modernization and expansion loan from SDF, it should be tagged with drip irrigation. It is requested to follow the instructions/guidelines of the Standing Committee on SDF given in the above letter.

Thanking you,

Encl: As Above.

Yours faithfully,


Sanjeev Babar
Managing Director

No.11-21/2017-SDF
Government of India
Ministry of Consumer Affairs, Food & Public Distribution
Department of Food and Public Distribution
www.dfpd.nic.in

Krishi Bhavan, New Delhi
Dated the 2nd August, 2017.

To

1. The Chief Director (Sugar), NCDC, Delhi.
2. The General Manager (SDF), IFCI Ltd., New Delhi.
3. The General Manager, Indian Sugar Mills Association (ISMA), C-Block, Ansal Plaza, August Kranti Marg, New Delhi.
4. The General Manager, National Federation of Co-operative Sugar Factories Ltd., Ansal Plaza, August Kranti Marg, New Delhi.

Subject:- Directions of the Standing Committee on Sugar Development Fund - Information to be furnished by sugar factory at the time of apply for SDF loan-reg.

Sir,

I am directed to say that in pursuance of Govt.'s decision on the recommendation of the 134th Meeting of the Standing Committee on SDF necessary action may be taken as follows:

- (i) The sugar factories and molasses based distilleries should be motivated to adopt means of water conservation so as to reduce water consumption and generation of waste water discharge.
- (ii) The Guidelines for waste water discharge in terms of quality and quantity have been issued by the CPCB in January, 2016. An undertaking may be submitted by the sugar factory applying for SDF loan regarding strict compliance of CPCB Guidelines.
- (iii) The proposal for modernization and expansion of sugar factories should also be tagged with drip irrigation. The sugar factory will use drip irrigation whether on its own or apply for SDF loan or the same. The monitoring agencies will give a report on this before the SDF loan application is considered. The system may be adopted initially for sugar producing states of Maharashtra and Karnataka, two major sugar producing states, having paucity of water due to drought conditions.
- (iv) The sugar factory will furnish a declaration in the formats (Scheme wise three formats for water conservation and effluent treatment and Drip Irrigation enclosed) along with application at the time of applying for loan under SDF.

Yours faithfully,


(Dilip K. Jha)

Under Secretary to the Govt. of India
Telefax No.: 011-23385726

Encls:- As above.

Copy to:-

- (i) The Director, NSI, Kanpur
- (ii) NIC, DFPD for uploading on official website of the Department.

**FORMAT FOR SUBMITTING INFORMATION WITH RESPECT TO WATER CONSERVATION &
EFFLUENT TREATMENT FOR SDF ASSISTED PROJECTS**

1. Projects associated with Sugar Factories (Greenfield/Expansion & Modernization/Co-generation etc.):

S. No.	Particulars	Existing Parameters (last crushing season)	Proposed Parameters
1.	Crushing capacity: a. Licensed b. Actual		
2.	Fresh Water Consumption for: a. Sugar Plant b. Co-generation unit (Liters/ton of cane crushed)		
3.	System for measuring fresh water usage		
4.	Waste water overflow from spray pond/cooling tower (Liters/ton of cane crushed) a. Sugar plant b. Co-gen units		
5.	Total waste water discharge/effluent from the sugar factory (liters/ton of cane crushed) i.e. a: per S. No. 4 + from other sources including boiler blow down, DM/RO reject and brine reject (in case of sugar refinery).		
6.	System for on-line measurement of spray pond over flow and treated effluent overflow		
7.	Capacity of treated effluent lagoon		
8.	Quality parameters of the treated effluent from ETP (BOD, TSS, TDS, oil & grease etc.), enclose data transmitted to CPCB/SPCB server.		
9.	System of cold and hot water recycling conservation (enclosed schematic diagram of system with details of cooling towers and UGR etc.		
10.	Hot and cold-water mass balances		
11.	Place of disposal of effluent (land/surface waters)		
12.	Flow diagram of the Effluent Treatment System indicating volume/surface area of the respective unit operation		
13.	Brief of condensate cooling & polishing system		
14.	Air pollution control devices and particulate matter emission (enclose data)		
15.	Details of rain water harvesting system		

Sugar Development Fund

2. Projects associated with Ethanol Production (Greenfield/Expansion & Zero Liquid Discharge etc.):

S.No.	Particulars	Parameters/Details	
		Existing (last alcohol year)	Proposed
1.	Distillery Capacity: a. Licensed b. Operational		
2.	a. Fresh Water Consumption (Liters/Liter of ethanol) for distillery. b. Source of drawing fresh water.		
3.	System for measuring fresh water usage		
4.	Raw/Bio-methanated Spent wash generation (Liters/Liter of ethanol)		
5.	Solid % in Raw/Bio-methanated Spent wash		
6.	Details of MEE (enclose schematic diagram indicating configuration, heating surfaces and operational parameters)/RO system		
7.	Solid % in Concentrated spent wash		
8.	Quantity of Mass condensate/ RO permeate generated		
9.	System for ascertaining concentrated spent wash quantity, flow meter/mass flow meter		
10.	Mass balance for Bagasse: Spent wash in case of incineration boiler or Press Mud: Spent Wash in case of Bio-composting indicating availability of bagasse/press mud		
11.	Flow diagram of the Hot & Cold water management system		
12.	Flow diagram of the Effluent Treatment System (enclose details)		
13.	System of cold and hot water recycling conservation, Utilization of spent liquor, boiler blow down and RO/DM plant reject etc. (enclose schematic diagram of system with details of cooling towers and UGR etc.		
14.	Hot and cold water mass balances (enclose details)		
15.	Brief of condensate cooling & polishing system		
16.	Air pollution control devices and particulate matter emission		
17.	Details of rain water harvesting system		
18.	Utilization of sludge and boiler ash		
19.	In case of bio-composting provide area of yard, storm water collection system and about covering of yard		
20.	Details of cameras at various locations		

3. Projects associated with Drip Irrigation:

S. No.	Particulars	Existing Parameters For three years before implementation of the project	Proposed Parameters for three years after implementation of project
1.	Crushing capacity (TCD): a. Licensed b. Actual		
2.	Duration of the season (days)		
3.	Capacity Utilization %		
4.	Total sugarcane requirement for 160 days of operation, MT		
5.	Total sugarcane available, MT		
6.	Actual Sugarcane crushed /projected crushing, MT		
7.	Varietal distribution -Major sugarcane varieties: a. early, b. mid-late/late c. Un-approved/rejected (indicate area under each variety in Ha and % of total area available)		
8.	Total cultivable area (Ha)		
9.	Area under sugarcane cultivation (Ha)		
10.	Area under micro-irrigation (drip irrigation) and source of finance for undertaking the project		
11.	Major sugarcane varieties (with area) under drip irrigation.		
12.	Information on: a. Sugarcane yield b. Quality of sugarcane as reflected by pol %cane c. Quantity of irrigation water d. Quantity of fertilizers		
13.	Source(s) of irrigation		
14.	Percentage of ratoon and plant crop		
15.	Cost of drip irrigation project/Ha		
16.	Brief outline /specifications of the drip irrigation project		