

**Training Module**  
**for**  
**Officers of Sugar**  
**Mills**

**Sugar Mill**  
**(Two Days Workshop)**

1st half – Lectures

II half – Interactive Session

S n	Topics	Target Group	
1	Process control	G.M.(ST)/Chief Chemist/ Manufacturing Chemist/ Lab Incharges	
2	Sugar mill laboratories – new practices		
3	New concept in Sugar manufacturing		
i	Boiling House		
ii	Reduction in Steam and Power Consumption		
iii	Bagging		
iv	Ware house Management		
v	Optimization of Sugar Manufacturing Process		
Concept of sugar complex			
a	Caramel Sugar		
b	Invert Sugar		
c	Castor Sugar		
d	Candy Sugar		
e	Demerara		
f	Fortified Sugar		
g	Sugar Cubes		
h	Organic Sugar		

**Faculty**

Sri K.P. Singh, Ex. Group Head, Balarampur sugar mills.

Shri Arun tiwari,G.M. ISGEC Heavy Engg. Ltd. Noida\_

Shri D. Swain (Prof. of Sugar Engg.) National sugar institute Kanpur.

Sri Surjeet Singh, Senior Officer, Amity Software Systems Ltd. Noida.

Dr. Ashutosh Bajpai, Prof. of Sugar Engg., N.S.I. Kanpur .

Shri J P Srivastava (Consultant ) National sugar institute, Kanpur\_

Shri Sanjay Chauhan (Asth. Prof. of Sugar Engg.) N.S.I., Kanpur

## Sugar Mill

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S.No	Topics	Target Group
1	Working capital and Financial management	Unit Head/ Finance Head / Accounts Manager / Sales Manager / Commercial Manager
2	Sales & Dispatches of all product and Byproducts.	
3	Duties & Taxes in Sugar & Byproducts.	
4	Sugar Promotion Policy 2020.	
5	SDF and other Agencies to assist the Sugar Sector.	
6	National Green Tribunal (NGT) Guidelines	

Faculty : Sri Deepak Guptara, UPSMA

Sri N.K. Paliwal, G.M., Dalmia Group

Sri G.K. Thakur, Director, ISMA

Sri S.K Bhatnagar, President, Dhampur Sugar

Smt. Mala Mohini, M.D.

## **Sugar Mill**

### **(One Day Workshop)**

1st half – Lectures

II half – Interactive Session

Sr.	Topics	Target Group
1	Milling & Cane preparation	Unit Head/ Chief Engineer/ Deputy Chief Engineer / Asstt. Engineer, Joint & Dy. Cane Commissioner,
2	Energy Saving	
3	Value addition to Baggasse besides Power Generation.	
4	Water management Boiler etc.	
5	Boiler Maintenance and Operation.	
6	Instrumentation	
7	National Green Tribunal (NGT) Guidelines	

### **Faculty**

Sri Upadhyay, Technical Advisor, N.S.F.

Sri Vinod Aggrawal, G.M., Baghpat

Sri K.P.Singh, Balrampur Sugar Mill

Sri Sandeep Sharma, Director, Dhampur Sugar Mill

Sri Jashveer Singh, N.S.F

Sri Aamod Sharma

Smt. Mala Mohini, M.D.

**Co-generatio**  
**(One Day Workshop)**

1 half – Lectures

II half – Interactive Session

S.No	Topics	Target Group
1	Power purchase agreement and other commercial aspects.	Power Head Incharge Turbine Engineers/ Electrical Engineers/ Trainee Engineers
2	Evacuation and Transmission of Co-generated Power.	
3	Turbine- Efficiency Maintenance Control	
4	Steam – Optimisation Boiler interface	
5	Substation and Switch Yard Management	
6	National Green Tribunal (NGT) Guidelines	

**Faculty**

Sri Durga Prasad, Retd. Chief Engineer

Sri Anil Gupta, Balrampur Sugar Mill

Dr N. Mohan, N.S.I., Kanpur

Sri Pankaj Rastogi, COO, Dalmia Sugar

Smt. Mala Mohini, M.D.

**Sugarcane**  
**(Two Days Workshop)**

1 half – Lectures

II half – Interactive Session

S.No	Topics	Target Group
1	Suitable Variety, Seed quality and method of Planting	G.M., Cane/ Chief Cane Manager / Cane Manager
2	Soil Testing and Integrated Nutrient Management	
3	Package of Practices ( Water, Fertilizer, Weed, Interculture operation, Binding and Earthing Management)	
4	Integrated pest and disease Management	
5	Post harvest Management	
6	Ratoon Management	
7	Drip Irrigation and Integrated Water Management.	
8	Tissue Culture	
9	Cane Marketing Management	
10	Sugarcane Information System	
11	National Green Tribunal (NGT) Guidelines	

**Faculty**

Dr. S.Soloman, V.C., C.S.A.U.&T.Kanpur

Dr. Vinod Yadav, G.M.

Dr. G.D. Pandey, Advisor, Dalmia Sugar

Dr. A.D. Pathak, Director, IISR

Dr. Arun Baitha, Principal Scientist, IISR

Dr. B.L. Sharma, Director and expert U.P.C.S.R.

Smt. Mala Mohini, M.D.

## Distillery

### (One Day Workshop)

1 half – Lectures

II half – Interactive Session

S.No	Topics	Target Group
	Ethanol Producing Technology and usage.	
i	Value addition to Molasses	Distillery manager/ Chemist / Lab Incharge
ii	Ethanol Regulatory norms and compliances/ Commercial Aspects.	
iii	Zero liquid discharge	
	(a) Multi effect evaporator	
	(b) Bio-composting (Packaging and Marketing)	
iv	Potable Alcohol	
	(a) Working efficiency (b) Regulatory Norms (c) Conversion of ' B' heavy molasses (d) Conversion of Mixed Juice to Ethanol and Primary juice to Sugar.	
V	National Green Tribunal (NGT) Guidelines	

### Faculty

Sri Praveen Gupta  
Sri Yashpal Singh  
Expert N.S.I., Kanpur.  
Expert U.P.C.S.R.  
Sri N.K. Lamba, V.P., Daurala

Smt. Mala Mohini, M.D.