

**Commission for Agricultural Costs and Prices**  
**Ministry of Agriculture and Farmers Welfare**  
**Government of India**  
**New Delhi**

**Questionnaire for the Price Policy for Sugarcane for the 2017-18 Sugar Season**

1. **Capacity Utilization by the Sugar Mills:**

- (i) Give an account of the no. of sugar mills, installed capacity and its percentage utilisation by sugar mills in your state in different sectors (State, Cooperative and Private) during 2015-16 or latest available.
- (ii) Indicate the steps taken, if any, for capacity expansion or/and modernization of machinery of mills during the last three years.
- (iii) No. of sugar mills with distillery and power generation by sector.

2. **Wholesale Prices:**

- (i) Indicate Wholesale Prices of sugar in important markets of the state during last two seasons and current season.

Rs./Quintal

Item	Year-end Wholesale Prices (Market average) (approximate)		
	2013-14	2014-15	2015-16
1	2	3	4
Sugar			
Molasses			
Press mud			
Bagasse			
Any other			

- (ii) Please give reasons for fluctuations observed in the movement of prices during last 5years.

3. **By-products:**

Name of by-product	%age of by products out of every Tonne of sugar produced			Price (Approx) in 2015-16 (Rs./Tonne)
	2013-14	2014-15	2015-16	
Molasses				
Bagasse				
Press-mud				

4. **Pricing of Molasses:** Give an account of the policy regime governing the pricing and distribution of molasses produced in your state. If there is supply of molasses to potable alcohol industry, Indicate the quantity and price at which sugar mills are required to sell molasses to potable alcohol industry compared to prevailing prices in open market prices.
5. Provide the information for the latest available three years on the level of price realization/imputed value from the sale of these by-products separately as well as combined (imputed value includes unsold value or notional for transfer value of such by-products for further value addition in the sugar factory like, alcohol and ethanol production from molasses, use of press-mud for making bio-fertiliser and/or distillery effluent treatment, generation of power from bagasse or any other product produced through value addition to the by-products but would not include the bagasse used for running the boiler of the main sugar factory for the production of sugar alone).

6. **Diversification:** Indicate the progress made towards diversification of sugar industry through value additions to by-products:
- the number of sugar factories (sector-wise/total) producing alcohol & ethanol, their production and per litre realization; the difficulties faced by sugar factories in production and sale of ethanol;
  - the number of sugar factories (sector-wise) which have installed/are in the process of installing the **cogeneration** facilities and their realization from per unit sale of electricity; their difficulties and the steps taken/proposed to be taken to remove such difficulties;

*Note: In case information in respect of i), and ii) is not readily available, the exercise may please be initiated to collect the same urgently and furnish requisite information as early as possible.*

7. **Ethanol Blending:**

- Has the ethanol blending programme been implemented in your state? Yes/No
- If yes, give rate of blending, price of ethanol and total production and consumption.
- If yes, how far it has been successful and give shortcomings with reasons.
- If not, reasons thereof?
- Give your suggestions for ethanol blending as well as the proper methodology for fixing ethanol price.

8. **Details of arrears:** Please furnish cane price arrears as on 31<sup>st</sup> March for the last five seasons and for the current season.

Season	Amount payable	Amount paid	Percentage	Date on which arrears were fully cleared	Reasons for arrears
1	2	3	4	5	6

9. **Sickness:** Please indicate the number of sick sugar factories, if any, reasons for their sickness and steps taken to revive these factories.

10. **Cane Area Reservation:**

- What are your views on cane area reservation-abolition/continuation/modification? Also state the time period of cane area reservation.
- In your opinion what should be the minimum distance between an existing sugar factory and another new sugar factory to be set up, and reasons thereof?

11. **Methodology adopted for cost estimates:** Does the State Government generate estimates of cost of cultivation/ production? If so, provide the details of the methodology used and the estimates generated for sugarcane crop for the last three years including the definitions and concepts adopted.

12. What is the running cost of farm machinery such as (a) tractor/harvesters and pump sets used for irrigation and (b) other purposes along with the relative share of important inputs like diesel, lubricants, repairs/maintenance charges etc. required for their operations?

Year	Running cost (per ha)				
	Irrigation		Other purposes		
	Tractor	Pump set	tractor	Harvester	Others (Please specify)*
2012-13					
2013-14					
2014-15					

13. **Prices & consumption of insecticides/pesticides/weedicides:**

(a) The retail prices (Rs. per kg.) and consumption (per hectare) of five important insecticides/pesticides/weedicides may please be furnished in the following table:

Name of the Pest	Percent Area affected	Average Yield loss	Name of pesticide	2013-14		2014-15		2015-16 (likely)	
				Retail Prices*	Usage quantity#	Retail Prices*	Usage#	Retail Prices*	Usage #

\*(Rs. per Kg.) # per hectare

(b) Please furnish information in respect of major constraints in respect of availability, quality, price etc.

14. **Cost of Fertilizer & its availability:** Please furnish following details:

i. Provide the retail prices of phosphate, potash fertilizers and their use in sugarcane:

Name of the fertilizer	2014-15		2015-16		2016-17 (likely)	
	Retail price (Rs.)	Usage per ha	Retail prices (Rs.)	Usage per ha	Retail prices (Rs.)	Usage per ha
1						
2						
3						

ii. Was the fertilizer availability and off-take during the last season up to expectations? If otherwise, factors responsible for this shortfall.

iii. Average quantity of farm manure used per hectare and its prices.

15. **Rates of renting of land :**

Is renting out of land prevalent in your state? If so, Please provide information for current land rent rates for different categories of cultivable land?

(a) Proportion of area under leased in cultivation cost with share of marginal and small farmers in leased area

(b) Nature of contract product or cash share

(c) Tenure- seasonal and annual

16. **Cost of other components:** Please furnish information in respect of marketing charges paid, expenses towards payment of premium and Transport cost in the following table:

Particulars	Unit	Rs.
Marketing charges paid by the farmers	(per quintal)	
Expenses on premium on insurance	(per hectare)	
Average Transport Cost mill gate/purchase centre	(per quintal)	

17. **Insurance related information for sugarcane:**

i. Percentage of farmers who have availed crop insurance scheme and amount of premium paid by them.

ii. Percentage of loanee and non-loanee farmers availing crop insurance in the State? Give the average area cultivated by the loanee and non-loanee farmers separately.

iii. Percentage of farmers who have availed the claim for the crop insurance and amount disbursed to them against their claim.

iv. Whether the scheme of crop insurance is extended to farmers who are not owner-cultivators but lease in land for cultivation purposes?

v. Please specify the hindrances faced in implementation of the crop insurance scheme, if any? The suggestions of the State Government in overcoming such hindrances may be specified.

18. (a) No. of purchase Centres catering to a particular mill and percentage average area covered  
(b) Proportion of produce purchased through purchase centres

19. **Transport related information:**

- (i) Information on Transportation modes: 2015-16 or latest available

S. No.	Modes of Transport	Average Distance			Average transportation cost (Rs. per quintal)
		Farm to purchase centre	Farm to mill gate	Purchase centre to mill gate	
(1)	(2)	(3)	(4)	(5)	(6)
1	<b>Rail</b>				
2	<b>Road</b>				
3	<b>Tractor/ Trolley</b>				

- (ii) Details of transportation cost borne by mills and cane growers upto mill gate:

Item	Proportion of transport cost of sugarcane borne by (%)
<b>Sugar Mills/ Mill owners</b>	
<b>Cane growers</b>	

- (iii) Whether amount is deducted by sugar mills on account of transportation of sugarcane when delivery is received by the mills at the purchase centre? If yes, whether it is deducted lump-sum or per quintal basis? Please provide details.

- (iv) Details of harvesting cost:

Sugarcane season	Proportion of Harvesting of sugarcane from field by		Cost of harvesting borne by		Amount deducted by mills from cane growers for harvesting (Rs. per quintal)
	Sugarcane mills (%)	Cane growers (%)	Sugar mill	Cane growers	
2013-14					
2014-15					
2015-16					

- (v) Any other information relevant in this context of recommending Fair and Remunerative Price for 2016-17 sugar season.

20. **Demand and supply situation:** The Demand and supply of sugar may please be indicated for the following years:

Year	Total Demand (MT)	Total supply (MT)	Remarks
2014-15			
2015-16			
2016-17 (likely)			

21. **Details of district-wise Area, Production & Yield**

Name of the Crop **Sugarcane**

S. No.	Name of the District	2013-14			2014-15			2015-16		
		Area (Ha.)	Production (Tonnes)	Yield (Kg/Ha.)	Area (Ha.)	Production (Tonnes)	Yield (Kg/Ha.)	Area (Ha.)	Production (Tonnes)	Yield (Kg/Ha.)
	<b>State Total</b>									

- Note:** (i) If the information is not available for the required years please furnish the above information for the latest available three years.  
(ii) Reasons for significant fluctuations in Area, Production and productivity in particular years may please be given.  
(iii) State-wise average yield and yield under Field Level Demonstration (FLDs).

**22. Water Consumption**

Variety/ Season of Sugarcane	% Share of Area (approx.)	Total Production (lakh MT)	Yield (Qtl/Ha)	Recovery Rate of Sugar from Sugarcane (%) (approx.)	Duration of crop (Gestation period of Crop) (In months)	Irrigation Details		
						Source	No. of standard irrigations applied	Average height of irrigation Column (cm)

- 23. Cost of creation of Irrigation potential:** As irrigation is an important input for cane cultivation, please indicate **approximate** cost of creation of irrigation potential:

Sl. No.	Source of irrigation	% irrigated area in 2015-16	Addl. Irrigation potential created (ha) during 2015-16	Cost of creation of addl. Irrigation potential (Rs. per ha)
1	Canal Irrigation			
2	Lift Irrigation			
3	Tube wells/boring wells			
4	Drip			
5	Others (Please specify)			

- 24. Water usage:** Out of total water used for irrigation for cultivation of sugarcane, please indicate **approximate** percentage of water utilized by the following components:

Out of Total water used	Percentage
(i) Water normally absorbed for sugarcane (%) (approx.)	
(ii) Water going for ground water recharging (%) (approx.)	
(iii) Water evaporated (%) (approx.)	

- 25. Programme for diversification of area away from sugarcane:**

Target crop	Target area	Details of programmes being implemented

**Questionnaire for 2017-18**

**1. Capacity Utilization by the Sugar Mills:**

- (i) Give an account of the installed capacity and its percentage utilisation by sugar mills in your state in different sectors (State, Cooperative and Private).
- (ii) Indicate the steps taken, if any, for capacity expansion or/and modernization of machinery of mills during the last three years.
- (iii) Indicate cost of sugar production per tonne under different capacities (both in cooperative and private sugar mills).

**2. Wholesale Prices:**

- (i) Indicate Prices of sugar in state during last two seasons and current season.

Item	Rs./Quintal		
	Year-end		
	2013-14	2014-15	2015-16
1	2	3	4
Factory gate prices			
Whole sale prices			
Retail prices			

- (ii) Indicate the reasons for any abnormal increase/decrease in prices in any year/years.
- (iii) How these compare with the prices in the preceding three seasons. Please give reasons for fluctuations observed in the movement of prices.

**3. By-products:**

Name of by-product	%age of by products out of every Tonne of sugar produced			Price (Approx) in 2015-16 (Rs./Tonne)
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Press-mud				

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- 6. **Diversification:** Indicate the progress made towards diversification of sugar industry through value additions to by-products:
  - i. the number of sugar factories (sector-wise/total) producing alcohol & ethanol, their production and per litre realization; the difficulties faced by sugar factories in production and sale of ethanol;

- ii. the number of sugar factories (sector-wise) which have installed/are in the process of installing the **cogeneration** facilities and their realization from per unit sale of electricity; their difficulties and the steps taken/proposed to be taken to remove such difficulties;

*Note: In case information in respect of i), and ii) is not readily available, the exercise may please be initiated to collect the same urgently and furnish requisite information as early as possible.*

7. **Ethanol Blending:** Has the ethanol blending programme been implemented in your state? If not, reasons thereof? If yes, how far it has been successful and give shortcomings with reasons. Give your suggestions for ethanol blending as well as the proper methodology for fixing ethanol price. Whether the price of ethanol be fixed as per (ii) above or left free to market.

8. **Details of arrears:** Please furnish cane price arrears as on 31<sup>st</sup> March for the last five seasons and for the current season.

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10. **Cane Area Reservation:**

- i. What are your views on cane area reservation-abolition/continuation/modification? Also state the time period of cane area reservation.
- ii. In your opinion what should be the minimum distance between an existing sugar factory and another new sugar factory to be set up, and reasons thereof?

11. **Views to link FRP with 9.5% recovery rate:** Please indicate your suggestions on the level of Fair and Remunerative Price (FRP) of sugarcane for **2017-18** season linked to 9.5 percent recovery rate.

12. **Transport related information:**

- (i) Information on Transportation modes:

S. No.	Modes of transport to mill gate/purchase centre	Proportion of each transport mode	Average transportation cost (Rs. per quintal)
1	<b>Rail</b>		
2	<b>Road</b>		
3.	<b>Tractor etc</b>		

- (ii) Details of transportation cost borne by mills and cane growers upto mill gate or purchase centre:

Item	Proportion of sugarcane transported (%)	Share of transportation cost (%)
<b>Sugar Mills/ Mill owners</b>		
<b>Cane growers</b>		

- (iv) whether amount is deducted by sugar mills on account of transportation of sugarcane when delivery is received by the mills at the purchase centre? If yes, whether it is deducted lump-sum or per quintal

basis? Please provide details.

(v) Details of harvesting cost:

Sugarcane season	Proportion of Harvesting of sugarcane from field by		Proportion of Cost of harvesting borne by		Amount deducted by mills from cane growers for harvesting (Rs. per quintal)
	Sugarcane mills (%)	Cane growers (%)	Sugar mill (%)	Cane growers (%)	
2013-14					
2014-15					
2015-16					

13. Mill farmers linkage:

Technology support	Product purchase	Pest management	Corporate social responsibility	Share holding of farmers