

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

Questionnaire for the Price Policy for Sugarcane for the 2016-17 Sugar Season

1. **Variety-wise details:** A number of varieties of Sugarcane are grown in your State. Please indicate variety-wise/season-wise cane grown in your State in 2014-15:

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

Note: If figures for 2014-15 not available, please furnish latest information for which figures are available.

2. **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	Irrigation potential created (ha)	Cost of creation of Irrigation potential (Rs. per ha)
1	Canal Irrigation		
2	Lift Irrigation		
3	Tube wells/boring wells		
4	Drip		
5	Others (Please specify)		

3. **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.)	

4. **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.

5. **Wholesale Prices:**

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

Item	Rs./Quintal		
	Year-end Wholesale Prices (Market average) (approximate)		
	2012-13	2013-14	2014-15
1	2	3	4
Sugar			
Molasses			
Press mud			
Bagasse			

- (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.

6. **By-products:**

Name of by-product	%age of by products out of every Tonne of sugar produced			Price (Approx) in 2014-15 (Rs./Tonne)
	2012-13	2013-14	2014-15	
Molasses				
Bagasse				
Press-mud				

7. **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 sale molasses to potable alcohol industry compared to prevailing prices in open market prices.

8. Provide the information 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) for the latest available three years.

9. **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.

10. **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.

11. **Details of arrears:** Please furnish cane price arrears as on 31st 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

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

13. **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?

14. **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.

15. 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)*
2011-12					
2012-13					
2013-14					

16. **Prices & consumption of insecticides/pesticides/weedicides:** 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 Important insecticides/pesticides/weedicides	2011-12		2012-13		2013-14		2014-15 (likely)	
	Retail Prices*	Usage#	Retail Prices*	Usage#	Retail Prices*	Usage#	Retail Prices*	Usage#
1								
2 & so on								

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

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

- i. Provide the retail prices of phosphate, potash fertilizers and their consumption:

Name of the fertilizer	2013-14		2014-15		2015-16 (likely)	
	Retail prices (Rs.)	Usage per ha	Retail prices (Rs.)	Usage per ha	Retail prices (Rs.)	Usage per ha
1						
2						
3						

- ii. Was the fertilizer off-take during the last season up to expectations? If otherwise, factors responsible for this shortfall.
18. **Rates of renting of land:** Is renting out of land prevalent in your state? If so, Please provide information for current rent rates for different categories of cultivable land?
19. **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	(per hectare)	
Average Transport Cost mill gate/purchase centre	(per quintal)	

20. **Insurance related information:**
- Percentage of farmers who have availed crop insurance scheme and amount of premium paid by them.
 - 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.
 - Percentage of farmers who have availed the claim for the crop insurance and amount disbursed to them against their claim.
 - Whether the scheme of crop insurance is extended to farmers who are not owner-cultivators but lease in land for cultivation purposes?
 - 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.
21. **Transport related information:**

- (i) Information on Transportation modes: 2014-15 or latest available

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

- (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 (%)
Sugar Mills/ Mill owners		
Cane growers		

COMMISSION FOR AGRICULTURAL COSTS AND PRICES

Questionnaire for information required by the Commission for Agricultural Costs and Prices for its next report on Price Policy for Sugarcane to be marketed during 2016-17 Season.

1. Number of sugar factories (State-wise) in private, Govt. and Cooperative sector in operation and closed during the last five years.
2. State-wise annual installed production capacity, capacity utilization of sugar industry and cane crushed during the last five years. Whether there is any improvement in enhancing installed capacity and its utilization to achieve economies of scale?
3. Estimates of state-wise / sector-wise production of sugar during the five years ending 2014-15 and likely estimates for 2015-16.
4. Balance sheet of sugar during the last five years with detailed item-wise break-up and estimates for 2015-16 (covering supply and consumption including imports/exports).
5. Month-wise production of sugar – All India for the last three years and estimates for 2015-16.
6. Whole season and peak season average recovery of sugar from sugarcane state-wise for the last five years. Also all-India weighted average recovery for each year based on whole season recovery and peak season recovery.
7. State-wise and all-India weighted average total cost of production of sugar per quintal by sugar mills (category-wise and combined also) during the last five years and the current year. Also state per unit(quintal) cost of producing sugar and average price paid for the sugarcane purchased separately.
8. State-wise and all-India weighted average realization from sale of sugar by the sugar factories for the last three years and current year.
9. State-wise, category-wise and all-India weighted realizations made by sugar mills from sale of by-products (molasses, bagasse, press-mud etc.) or their imputed value for the last three years and the current year.
10. State-wise and sector-wise cane price arrears as on **31st May, 2015** showing total price payable, total price paid, arrears and percentage of arrears of price payable for the last 5 years and the current year.
11. State-wise and all-India level ex-mill & wholesale prices of sugar for the last ten years and current year.

12. International prices of sugar (raw as well as refined sugar) month-wise/weighted average for whole year, for the last ten years and current year. Also provide month-wise average domestic prices at Mumbai for the last ten years.
13. Country-wise export and import of sugar (quantity and value) and molasses (quantity and value) for the last five years and current year.
14. State-wise and All-India average marketing charges paid by the farmers on per quintal of sugarcane sold.
15. (i) State-wise and all-India average transport cost per quintal taking into account the delivery of sugarcane at mill gate/purchase centre separately?
 - (ii) State-wise and all-India average amount deducted by sugar mills on account of transportation of sugarcane when delivery is received by the mills at the purchase centre;
 - (ii) State-wise and all-India average approximate cost per quintal for harvesting of sugarcane? If the sugar mills are doing the harvesting, then whether the mill bears this cost or the sugarcane farmer bears this cost. If the sugarcane mills bear the cost, then what amount (in Rs. per quintal) was deducted from cane price in 2012-13, 2013-14 and 2014-15 sugar seasons?
 - (iv) Please furnish under exportable hypothesis per quintal cost of transportation from the sugar mill gate to the port of embarkation, inclusive of handling charges and other charges, if any, in respect of sugar for years 2012-13, 2013-14 and 2014-15.
16. (i) State-wise and all-India average expenses on insurance premium borne by the sugarcane growers per hectare as well as per quintal on crop insurance scheme;
 - (ii) State-wise and all-India level percentage of sugarcane growers covered under the crop insurance scheme. Whether farmers face any problem in insuring their crop against both crop and income losses arising out of natural calamities/pest attacks etc.?
17. Please give a note on the difficulties being faced by sugar industry and sugarcane growers with possible solutions.
18. A note on current imports and exports policy including import/export of raw sugar.
19. A note on the progress made in ethanol production from sugarcane, issue of its prices and co-generation of power from bagasse, the difficulties being faced with possible solutions.
20. Any other information, which the Department of Food and Public Distribution would like to bring to the notice of the Commission.

Questionnaire for 2016-17**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.

2. Wholesale Prices:

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Rs./Quintal

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- 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. **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 **2016-17** 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	Rail		
2	Road		

- (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 (%)
Sugar Mills/ Mill owners		
Cane growers		

- (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		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 (%)	
2012-13					
2013-14					
2014-15					

Sugarcane Questionnaire for 2016-17

1. New varieties of sugarcane made available to farmers in the last three years:

Name of new variety of sugarcane	Year of introduction of new variety	% Share of Area (approx.)	% Share of Production (approx.)	Total Production (lakh MT)	Yield (Qtl/Ha)	Recovery Rate of Sugar from Sugarcane (%) (approx.)	Duration of crop/Gestation period of Crop (in months)

2. Breakthrough in farm implements

Name of the farm implement	Year of introduction	Total Cost of the farm implement	Efficiency level of farm implement	
			Cost per unit of old implement*	Cost per unit of new implement*

*Please specify the unit also.