

Final Draft

ADDITIONAL INFORMATION REQUIRED FOR ETHANOL CASES

(To be furnished through appraising financial institution/scheduled bank)

1. Plant code and short name of sugar factory. In case plant code is not allotted, letter issued by Directorate of Sugar indicating that sugar factory has been "taken on record" may be submitted;
2. Copy of IEM issued by Ministry of Commerce and Industry;
3. Installed crushing capacity;
4. Crushing capacity under expansion, if any;
5. Date of commencement of sugar manufacturing;
6. Proposed days of operation of sugar plant;
7. Proposed days of operation of ethanol plant;
8. Existing distillery production capacity, if any;
9. Does the company has any other sugar factory;
10. Date of application of the project;
11. Date of appraisal of the project;
12. Whether project commissioned prior to date of application to bank for appraisal of project.
13. Whether second hand plant & machinery involved;
14. Is there any refinancing;
15. Status of implementation of project, clearly indicating expected date of commissioning of project;
16. Copy of NOC from State Pollution Control Board;
17. Copy of Environment Impact Assessment (EIA);
18. Credit record with financial instructions/banks (indicating whether it is satisfactory/good or otherwise);
19. A certificate from the appraising bank to the effect that all dues, whether outstanding or otherwise to Govt. or any other lending institution have been taken into account while working out financial viability;

20. Undertaking regarding no outstanding SDF/ LSPEF dues against the sugar factory and company / society as a whole;
21. Average DSCR of the factory (sugar + power + distillery) along with calculation sheet;
22. Average DSCR of the company/society as a whole along with calculation sheet;
23. IRR of the project along with calculation sheet;
24. FACR of the factory (sugar + power + ethanol) based on latest balance sheet, along with calculation sheet;
25. FACR of company / society as a whole based on latest balance sheet, along with calculation sheet separately; (FACR may be furnished applying the formula as follows):

$$\frac{(\text{Net value of fixed assets} + \text{work in progress})}{\text{All secured loans, including the proposed one}}$$

26. Item wise detailed breakup of proposed expenditure to be incurred on building and civil works, plant and machinery and misc. fixed assets separately for the ethanol project;
27. Details of amount of term loan sanctioned by Bank(s)/financial institution(s), specifically for ethanol project;
28. Nature of security for SDF loan proposed to be furnished. In case it is proposed to furnish 2nd exclusive charge then reasons for not giving the first charge may be obtained from TL lending banks and furnished.
29. Amount of CEN-VAT available on the excise duty paid on cost of plant and machinery;
30. Net profit/loss (during last 3 years, in chronological order indicating the years)

Particulars	1 st year	2 nd year	3 rd year
Net profit/loss after tax (Rs. in lakh) (society as whole)			

31. Net worth society /company (during last 3 years, in chronological order indicating years)

Items	1 st year	2 nd year	3 rd year
Net worth			

32. Operational results for past four years (if already exists) & future projections for the proposed project

S.N.	Particulars	Past performance [#]				Future projections			
		1 st Year	2 nd Year	3 rd Year	4 th Year	1 st Year	2 nd Year	3 rd Year	4 th Year
1.	Crushing capacity of the sugar plant (TCD)								
2.	Duration of season (days)								
3.	Total Sugarcane Crushed (Tonnes)/Expected crushing (Tonnes)								
4.	Final molasses % cane								
5.	Total molasses produced (Tonnes)								
6.	Licensed capacity of alcohol manufacturing plant /day (kilo litres)								
7.	Installed capacity of alcohol manufacturing plant /day (kilo litres)								
8.	Installed capacity of ethanol manufacturing plant /day (kilo litres)								
9.	No. of days of operation								
10.	Capacity utilisation (% of installed capacity a. Alcohol b. Ethanol								
11.	Total production (kilo litres) during the season a. Alcohol b. Ethanol								
12.	Average quality of molasses in terms of TRS content								
13.	Yield of Alcohol/Ethanol in litres /ton of molasses								
14.	Requirement of molasses for 160days of Distillery operation@alcohol yield of 235								

litre/ton of molasses									
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Not applicable in case of new units.

33. Broad Process details:

a.	Fermentation	Batch /Continuous
b.	Distillation	Atmospheric / Multi Pressure Re-distillation
c.	Spent wash Treatment	Bio-digestion -Evaporation – Bio-composting / Evaporation - Bio-composting / Evaporation – Incineration / Bio-digestion - Evaporation – Incineration / any other (please specify)
d.	Spent wash generation / litre of alcohol or ethanol	

34. Exhaust Steam and Power Requirements:

- a. For Distillery operation
- b. For general lighting & auxiliaries

35. Source of meeting exhaust steam & power requirements of the distillery already has or proposed installation of Boiler & TG-set, please specify their ratings & working pressure etc.

36. Broad details of machinery & equipments at various unit operations in following manner:

S.N.	Unit Operation	Existing *	Proposed additional / Modification or New	Final Configuration *	Cost (Rs. in Lakhs)	Remarks
1.	Molasses Storage					
2.	Fermentation					
3.	Distillation					
4.	Dehydration					
5.	Effluent /Spent Wash Treatment					

6.	Steam Generation					
7.	Power Generation					
8.	Alcohol Storage					

* Applicable in case of expansion of capacity of the existing plants

37. Assumptions taken in the project appraisal for profitability during last 4 years, (in chronological order indicating the years)

S. No.	Particulars	1 st year	2 nd year	3 rd year	4 th year onwards
1.	No. of crushing day				
2.	Cane crushing (LMT)				
3.	Production of Ethanol (KLPD)				
4.	Price of molasses (Rs./tonnes)				
5.	No. of days of operation of ethanol plant				
6.	Average selling price of ethanol (Rs./Ltr.)				

38. Assumptions taken in the project appraisal for availability of raw material (in chronological order indicating the years)

S. No.	Items	1 st year	2 nd year	3 rd year	4 th year onwards
1.	Cane area (in hect.)				
2.	Total cane production (LMT)				
3.	Expected cane crushing as per financial appraisal (LMT)				
4.	Production of molasses (MT)				

39. Assumptions taken in the project appraisal for Profit/(Loss) for next three years (in chronological order indicating the years)
(Rs. in lakh)

Net profit / loss After tax (company / society as a whole)	1 st year	2 nd year	3 rd year	4 th year onwards