Financial Evaluation for the establishment of Makhana kheer mix Production Unit					
1 2 3	Installe	of the Produce: Instant Makhana kheer mi ed Capacity of the Unit: 100 kg/day er of Working Days and Shifts: (a) Working hours in one shifts: (b) Number of shifts: (c) Number of working days in a mont (d) Total number of working days in a	:h:	8 hours One 25.00 250.00	
4	Plant C	Capacity Utilization:			
_		2nd year:3rd year:4th and subsequent years:			70% 80% 90%
5	Land R	equirement: 100 sq m (100 m2 @ Rs. 2000/	'm2):	Rs.	200000.00
6 7	Buildin	• • • •			Rs. 300000.00
/	Plants and Machinery:				
	S.No	Equipment/machinery/head Quantity		Cost, R	S.
	i. ii. iv. v. vi. vi.	Makhana grinder (15 kg/h)1Blender (25 kg/batch)1SS storage tanks (0.05 m3 capacity) 5Weighing balance (1 kg)2Sealing machine2Weighing balance (50 kg)1Miscellaneous1		20000. 40000. 25000. 8000.0 5000.0 10000. 10000.	00 00 0 0 00 00
	C	Total : F	ls.	118000).00
8	(Includ	laneous Fixed Assets ling furniture & other office equipment) perative Expenses:		: Rs.	10000.00
	(a)Pre-	operative and preliminary expenses		: Rs.	5000.00
	(b)	Consultancy and technical know-how		: Rs.	65000.00
		Total		: Rs.	70000.00
10	Contin (a) (b) (c)	gencies Land : F Building : F Plant and machinery (2% of plant & machin	ls.	10000. 12000.	
	(-)	Total : F		24360.	

11	Total F	Fixed Capital:			
	(i)	Plant and machinery		: Rs.	118000.00
	(ii)	, Land and building		: Rs.	500000.00
	(iii)	Other fixed costs		: Rs.	60360.00
	. ,	Total		: Rs.	722360.00
12	Raw N	laterial Requirement (per month)			
	(a)	Raw material (Makhana @ Rs. 400/kg)		: Rs.	400000.00
	(b)	Ingredients (Sugar, milk powder, cardamom,		: Rs.	375000.00
		flavouring agents, etc)			
		Total		: Rs.	775000.00
					$\mathcal{N}_{\mathcal{O}}$
13	Utilitie	25:		5	
	Davisa			5	
		requirement:		Detug	waardinamaant 1000
	S.No.	Equipment/machine		Power	requirement, kW
	1	Grinder	0.75		
	2	Blender	0.75		
	3	Lights, fans, exhausts etc.	1.50		
		Total load (kW)	3.00		
	(i)	Electricity charges for one month @ Rs. 6.50 pe	er : Rs.	3900.0)0 unit
	(ii)	Water consumption 100 kilo liter @ Rs. 2.00 pe	er : Rs.	200.00) liter
		Total : Rs.	4100.0	0	
14	Salary	and Wages		-	
	(i)	Two unskilled workers @ Rs. 15000/- per : Rs.	30000.	.00 mon	th per worker
	(ii)	Salary of owner	: Rs.	50000	.00
		Total	: Rs.	80000	.00
	\sim				
15	Admin	istrative overheads:			
13	(i)	Publicity	: Rs.	500.00	h
	(i) (ii)	Insurance	: Rs.	356.67	
	(iii)	Administrative expenses	: Rs.	500.00	
	()	Total	: Rs.	1356.6	
16	Repair	and maintenance	: Rs.	590.00)
17	Sales F	Realization (per month):			
		1st year at 70% capacity utilization	: Rs.	70000	0.00
	(ii) For	2nd year at 80% capacity utilization	: Rs.	80000	0.00
	(iii)	For 3rd year and subsequent year at 90% capac	city : Rs.	90000	0.00

(iv)	At 100% capacity utilization	
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: Rs. 100000.00

18 Packing and Selling Expenses (per month):

(Plastic bags and films, cans etc) For 1st year at 70% capacity utilization : Rs. 10500.00 (i) (ii) For 2nd year at 80% capacity utilization : Rs. 12000.00 For 3rd year and on wards at 90% capacity : Rs. 13500.00 (iii) utilization (iv) For 100% capacity utilization : Rs. 15000.00 19 Working Capacity and Margin Money Calculations (at 100% capacity utilization) Raw material : Rs. 775000.00 (i) 15000.00 (ii) Packing and selling expenses : Rs. : Rs. 80000.00 (iii) Salary and wages : Rs. 6046.67 (iv) Utilities and overheads Total working capital per month : Rs. 876046.67 For 3 months : Rs. 2628140.00 MARGIN MONEY (25% of working capital for 3 month) : Rs. 657035.00 20 Cost of Project: **Total fixed capital** : Rs. 722360.00 Margin money 657035.00 : Rs. **Total Cost** : Rs. 1379395.00 21 Means of Finance: Owner's share (a) : Rs. 1300895.00 24 Cost of Processing and Profitability Capacity utilization: 2nd Year 70% : 3rd Year : 80% 4th year 90% : (a) 1st year Raw material 5425000.00 (i) : Rs. (ii) Salary (for 10 months) : Rs. 800000.00 Packaging material (for 10 months (iii) : Rs. 105000.00 at 70% capacity utilization) Utilities (for 10 months at 70% 28700.00 (iv) : Rs. capacity utilization) (v) Overheads (for 10 months) 13626.67 : Rs. **Total cost of processing** 6372326.67 : Rs.

	(b)	2nd year					
	(i)	Raw material		: Rs.	62000	00.00	
	(i)	Salary (for 10 months)		: Rs.	80000		
	(iii)	Packaging material (for 10 months		: Rs.	12000		
	、 /	at 80% capacity utilization)		-			
	(iv)	Utilities (for 10 months at 80%		: Rs.	32800.	.00	
		capacity utilization)					
	(v)	Overheads (for 10 months)		: Rs.	15573.	.33	
		Total	: Rs.	716837	168373.33		
						\sim	
	(c)	3rd Year and onwards					
	(i)	Raw material		: Rs.	69750		
	(ii)	Salary (for 10 months)		: Rs.	80000		
	(ii)	Packaging material (for 10 months		: Rs.	13500	0.00	
		at 90% capacity utilization)					
	(iv)	Utilities (for 10 months at 90%		: Rs.	36900.	.00	
		capacity utilization)					
	(v)	Overheads (for 10 months)		: Rs.	17520.	.00	
		Total	: Rs.	796442	20.00		
			\mathcal{N}				
29. Bre	ak Even	Point					
	Fixed c	ost will be as under					
	(i)	Interests		:Rs.	10472	7 5 5	
	(i) (ii)	Depreciations		.rs. :Rs.	36800.		
					32000		
	(iii) (iv)	40% of salary and wages 40% of utilities and overheads		:Rs.			
	(iv)	40% of utilities and overheads		:Rs.	19349.	.55	
			:Rs.	480876	5.88		
			.113.	400070	5.00		
		BEP	:	27.95%	/ D		
	C	Pay-back period	:	1.33	-		
	X		•				
30. <u>S</u> en	sitivity A	Analysis					
(a) Assuming that sale price is reduced by 5%.							
		The BEP			:	39.40%	
	(b) Assi	uming that sale price is reduced by 10%.					
		The BEP			:	66.75%	
(c) Assuming that cost of processing is increased by 5%							
		The BEP			:	37.50%	
(d) Assuming that cost of processing is increased by 10%							
		The BEP	-		:	56.95 %	