DETAILED PROJECT REPORT

FORMAT

for

MEDIUM-LEVEL MAKHANA PROCESSING UNIT

[Medium level Enterprises (1500 kg raw makhana seed per day]

Submitted To

NATIONAL MAKHANA BOARD

Submitted By

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(To be completed by the applicant)

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1. DETAILS OF THE APPLICANT

S. No.	Particulars	Details
i.	Name of the Applicant/Entity	
ii.	Constitution/Legal Status	☐ Proprietorship ☐ Partnership ☐ LLP ☐ Private Limited Company ☐ Other
iii.	Registration/Incorporation No./CIN	
iv.	Date of Establishment/Incorporation	
v.	GST No.	
vi.	PAN No. of the Applicant/Entity	
vii.	Address of the Registered Office	
viii.	Address of the Proposed Project Site	
ix.	District	
x.	State	
xi.	PIN Code	
xii.	Name of the Authorised Signatory	
xiii.	Whether the Lead Promoter Belongs to SC/ST/Woman/Minority	

1.1 CONTACT DETAILS OF THE APPLICANT/PROMOTER(S)/PARTNER(S)/DIRECTOR(S)/MEMBERS

S. No.	Name	Address	Telephone No.	Mobile No.	Email ID	Other Details
1						
2						
3						

1.2. DETAILS OF THE PROMOTER(S)/PARTNER(S)/DIRECTOR(S)/MEMBERS

S. No.	Name	Aadhaar No.	PAN No.	Qualification	Net Worth (₹ lakh/crore)
1					
2					
3					

2. LAND DETAILS

S. No.	Particulars	Details
1	Land Area (sq. ft./acre)	
2	Status of Legal Title and Possession	
3	If Leased, Period of Lease (years)	
4	Coordinates of Location	
5	Details of Change in Land Use (CLU), if applicable	
6	Connectivity to Roads: (i) State Highway (km); (ii) National Highway (km)	
7	Availability of Water (litres/day or KLD)	
8	Availability of Power (kW/kVA)	

3. PROJECT BACKGROUND AND RAW MATERIAL AVAILABILITY

Particulars	Details
Brief background and objective of the project	
Makhana production in the district/Bihar/catchment area	
Major production locations	
Estimated annual availability of raw Makhana (MT/year)	

4. RAW MATERIAL PROCUREMENT PLAN[1]

Particulars	Details
Raw material requirement (MT/year)	
Procurement area and sources	
Procurement process	
Transportation arrangement	
Storage arrangement	

Note: Minimum 50% of the total Makhana required for processing shall be procured directly from Makhana farmers and/or FPOs.

5. PROCESSING METHODOLOGY

Particulars	Details
Processing technology and process	

[1] Minimum 50% of the total Makhana required for processing shall be procured directly from Makhana farmers and/or FPOs.

Particulars	Details
Plant and machinery	
Installed capacity (kg/hour or MT/day)	
Processing flow diagram	

6. PRODUCT AND PRODUCTION DETAILS

S. No.	Product Name	Installed Capacity (kg/hour or MT/day)	Annual Production (MT/year)
1			
2			
3			

7. MARKETING AND SALES STRATEGY

Particulars	Details
Market feasibility and demand	
Packaging and branding strategy	
Marketing channels	☐ Local ☐ B2B ☐ B2C ☐ E-commerce ☐ Export Explain
Target markets/customers	

S. No.	Name and Location of Market	Distance from Project Location
1		
2		
3		

8. EXISTING AND PROJECTED SALES

S. No.	Product	Annual Production (kg/qtl./MT per year)	Sale Rate (₹ per kg/qtl./MT)	Annual Sales (₹ lakh/year)	Market/Channel
1					
2					
3					

9. IMPLEMENTATION AND EXPECTED BENEFITS

Particulars	Details
Implementation schedule (months)	
Direct and indirect employment (No.)	

Particulars	Details
Number of farmers likely to benefit (No.)	
Reduction in post-harvest losses (%)	
Expected value addition (%) and other benefits	

10. DETAILS OF STATUTORY/OTHER APPROVALS

11. DETAILS OF RENEWABLE/ALTERNATE ENERGY SOURCE, IF PROPOSED TO BE USED

12. FINANCIAL ANALYSIS

12.1 Estimated Cost for a Medium-Level Makhana Processing Unit[2]

S. No.	Name of Equipment/Component	Minimum Capacity/Nos.	Proposed Capacity/Nos.	Unit Cost (in Lakh)	Remarks
A	**PLANT AND MACHINERY**				
	Makhana Primary Processing Machinery				
1	Continuous raw Makhana seed washer	500 kg/hour			Quotation
2	Seed drying machine	700 kg/batch			Quotation
3	Seed grading machine	1,000 kg/hour			Quotation
4	Continuous primary roasting machine	200 kg/hour (4 Nos)			Quotation
5	Cooling tunnel conveyor	200 kg/hour (4 Nos, 6 m length)			Quotation
6	Holding/tempering bins	20 kg (20 Nos.)			Quotation
7	Final roasting and popping machine	50 kg/hour (4 Nos)			Quotation
8	Popped Makhana grader	200 kg/hour (2 Nos)			Quotation
9	Miscellaneous instruments/equipment: transformer, moisture meter, thermal sensors, sealer, bag-stitching machine, etc.				Quotation
	Makhana Secondary Processing and Value-Addition Machinery				
1	Makhana flavouring plant	100 kg/hour			Quotation
2	Makhana pasta production plant	200 kg/hour			Quotation
3	Makhana instant kheer and powder plant	100 kg/hour			Quotation
4	Makhana puffs production plant	50 kg/hour			Quotation
5	Pack house/storage of Makhana	(100 tonnes)			Quotation
B	**CIVIL WORKS (Minimum 6,000 sq. ft.)**				As per civil estimate prepared by CE
	TOTAL FIXED COST (A + B)				

[2] **Technical Note:** Technical civil works shall not exceed 25% of the total eligible project cost and shall be supported by a detailed item-wise estimate certified by a Chartered Civil Engineer. The cost of plant and machinery shall be supported by valid item-wise quotations from reputed manufacturers or authorised suppliers. A layout plan of the civil structure prepared by a Civil Engineer shall also be submitted.

Total Fixed Cost: Rs. 300.00 lakh. Technical civil works should not exceed 25% of the total eligible project cost.

12.2 Means of Finance

S. No.	Items	Amount in Lakh	Percentage (%)
1	Term Loan from Bank / Financial Institution		
2	Unsecured Loan		
3	Own Contribution		
	TOTAL		

12.3 Revenue Projections (in Lakh)

S. No.	Items	Year-1	Year-2	Year-3	Year-4	Year-5
1	Turn over					
2	Cost of Operations					
3	Profit before taxation					
4	Profit after taxation					
	TOTAL					

Projected Balance Sheet and Projected Profit and Loss Statements, covering entire period of repayment

12.4 Financial Parameters

S. No.	Items	Details (Ratio)
1	Internal Rate of Return (IRR) a. with and b. without grant/subsidy	
2	Average Debt Service Coverage Ratio (DSCR)	
3	Break Even Point (BEP)	
4	Debt Equity Ratio	
5	Fixed Assets Coverage Ratio	
	TOTAL	

12.5 Repayment Schedule (Including moratorium period)

DECLARATION

I/We certify that the information and contents furnished in this Detailed Project Report are true and correct to the best of my/our knowledge and belief, and that no material information has been concealed. If any information is found to be false or misleading, the application may be rejected at any stage and may be treated as ineligible under the applicable scheme.

Applicant	Chartered Accountant
Date: _____ Place: _____ Signature of the Applicant	Date: _____ Place: _____ Signature: _____ Name: _____ UDIN: _____

DISCLAIMER

This DPR format is indicative and may be modified according to the nature, scope, capacity and specific requirements of the project. BHDS/National Makhana Board and the concerned Bank/Financial Institution may require additional information, documents, financial details, technical specifications or clarifications in accordance with the applicable scheme guidelines and project requirements.