



आधारभूत संरचना विकास प्राधिकार

(बिहार सरकार का एक उपक्रम)

प्रथम तल, उद्योग भवन, पूर्वी गाँधी मैदान, पटना।

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CORRIGENDUM-01

NIQ-31/NIQ/IDA/25

The given format for the details of items for which the rates shall be quoted for NIQ 31/NIQ/IDA/25 "Supply, Installation, Testing, Commissioning and Training of different Capacity of Machine mainly 80kg/hr to 90 Kg/hr type at different locations in Bihar State for Makhana Processing Unit from Original Equipment Manufacturer (OEM)/Authorized Dealer" has been modified as under. The interested Original Equipment Manufacturer (OEM)/Authorized Dealer should ignore the previous format and quote their rates and Amount as per format given below :

Sl.	Item Descriptionand Specifications	Unit	Quantity	Quoted Rate per unit (Basic Price with accessories, fitting and Support etc. including all taxes and others charges) (In Figure)	Total Amount (In Figure)
a	b	c	d	e	f= d x e
1.	Feeding Elevator For Seed Washer To Feed the Raw seeds to the washing machine, •Variable Capacity • Power requirement – 1Hp	No.	1		
2.	Raw Makhana Seed- Washer •Capacity: 80-90 kg/hr • Made of heavy duty Mild Steel structure coated with antirust paint and PU paint. • Nylon Brushesare provided for proper cleaning of the seed • ½ hp Waterpump to be provided to feed the water to the machine. • Machine should separate the outer layer of seed, dirt and unwanted material from the raw seeds. Total Power Requirement- 1.125 KW 3 phase (1 Phase machine can be provided on Demand) It is used to wash the seed coming out from the Pond. •Should Be placed Outside Building in open Place but top shed should be provided •It should be near to the artificial ponds(made to store the raw seed) (Artificial pond – 6 ft.x 6 ft x 4 ft depth – cemented ponds with water feeding and drain provision- minimum 8 nos.)	No.	1		

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3.	Feeding Elevator For feeding washed Seed Grading machine •To Feed the Washed seeds to Seed Size Grading machine •Power requirement – 1Kw – 3 Phase	No.	1		
4.	Washed Makhana Seed Grader •Capacity: 80-90 kg washed seeds per hour. • Overall Dimension: • No. of grades required – 7 • Mechanism- Continuous Shaking • Feeding • Seed Measuring gauge should be provided with the machine. Power requirement – 1.5 KW 3phase. (1 Phase machine can be provided on Demand) •This machine is used to grade the seeds and this should also be placed outside the building and near to the washing machine in the top shed. (This is a heavy machine and has vibration–so strong floor is required.)	No.	1		
5.	Graded Makhana Seed- Dryer Capacity of Each Chamber - 8 to10 kg •Total Capacity 80-90 Kg per hour • Each chamber is equipped with •heater / Blower and Temp. Control system •Placing/ taking out and agitating seeds is manual •Overall size of each Chamber – 32"x 40" x 39" Power requirement of one chamber = 1.5 KW 3 phase For 7 chambers = 1.5 x7 = 10.5 kw •This machine is used to dry the seeds and this should also be placed inside the building but near to the washing & grading shed so that material can easily transported to dryer machine.	No.	1		
6.	Gravity Separator-2 fan Electric Connection- Three Phase Motor Power- 2.5 HP Material of Construction (Contact)- MS Power Consumption- 1.8 Kwh Voltage- 380 V Capacity- 500 Kg •This machines is used to grade seeds and this should also be placed inside the building. •This machine should be placed on the ground floor only (This machine has vibration–so has to provide strong foundation and floor.)	No.	1		
7.	Dried Makhana First Roasting machine- Diesel / LPG Model •One time Batch Capacity of Roasting - 8 to 10 Kg •Total Capacity 30-40 kg per hour • Overall size of each Chamber – 42"x 42" x 36" •This machine is used to roast the seeds	Nos.	2		

	and this should also be placed inside the building. •This machine should be placed on the ground floor only next to gravity separator. This machine emits heat and- so has to provide strong ventilation above it)				
8.	Roasted Makhana Seed Popping Machine Diesel/ Gas Model •Capacity – 25-30 Kg per hour •Operation – Automatic Continuous •Roasting Chambers 4 nos. •Hopper one time feeding Capacity 5 kg •Feeding Automatic •Complete with •Automatic Feeder •Decorticator •Control Panel complete with o All safety Features and o Variable Speed Drives o Temperature Controllers o All connections are done with connectors •Overall size of Machine after final Fitting of Feeder and Decorticator — 77"x 37" x 83" •Total Power requirement 5 KW o Diesel/Gas Model •This machine is used to roast & Pop the makhana seeds and this should also be placed inside the building next to the roasted seeds rack •This machine should be placed on the ground floor only (This machine emits heat and vibration – so has to provide strong ventilation and strong floor foundation.)	Nos.	2		
9.	Sorting Conveyor up to 16 ft (Standard)	No.	1		
10.	Popped Makhana Grading Machine Makhana Grader PMVG- 250/3 3+1= 4 Grade 250-300 Kg Per Hour Power Consumption- 2 Hp •Complete with Motors and Control Panel Optional:- 1. Dust Aspiration System for Removal of Dust 2. Feeding Elevator (Z Type)& Feed Control Panel Special Features •Body Structure & Non Contact- Sheet Metal Body Parts MS Powder Coated. •All Contact Parts SS 304 •Low Maintenance auto Sieve Cleaning, High Production. •Easy to use & Accurate Grading Although this machine has vibration– Foundation is required)	No.	1		
11.	Band Sealer with Nitrogen Flushing Voltage- 220V/50 HZ Power- 500 W Sealing Speed- 0-12m/min Sealing Wide- 6-12mm (This is a small light weight - table top machine And do require kitchen type slab)	No.	1		

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12.	Makhana Huller/Polishing Machine Model Name- Huller-500 Capacity- 500 Kg Per Hour •Complete with Motor and starter Special Features:- The machine is used for Cleaning of Popped Makhana, The Black Seed Coat sometimes remained sticked to the manually popped makhana , and red spots are also there, so this machine is used to clean the Popped makhana. •Heavy Duty Body StructureMS painted • All Contact Parts SS • Separate Outlets for Clean Makhana/ chilka, Shell & broken • No Spillage • Easy to use and Collect	No.	1		
13	Chapta Dana Removal Machine contact part SS (Standard)	No.	1		
14	Storage Racks	Nos.	6		

Rest would be the same.

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02.08.2025
Executive Engineer (PDA)

Memo No. *2983/TEN* Date...*02/08/25*

- Copy to :
1. Director (PI, IDA for kind information
 2. PRO, IDA for publication in Notice Board.
 3. Computer Programmer, IDA for kind information and necessary action.

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02.08.2025
Executive Engineer (PDA)