



INFRASTRUCTURE DEVELOPMENT AUTHORITY

(A GOVT.OF BIHAR UNDERTAKING)

1st Floor, Udyog Bhawan, East Gandhi Maidan, Patna.

Email md@idabihar.com Website-www.idabihar.com Phone: 0612-2675933

Short Quotation Invitation Notice No - 31 /NIQ/IDA/25

Quotations are invited for the work of Supply, Installation, Testing, Commissioning and Training of different Capacity of Machine mainly 80 Kg/hr to 90Kg/hr type at different locations in Bihar state for Makhana Processing Unit from Original Equipment Manufacturer (OEM)/ Authorized Dealer till 05.08.2025 , 3:00 PM.

Quotations for Supply, Installation, Testing and Commissioning of following machines shall reach the office of Executive Engineer (PDA), 1st floor, Udyog Bhavan, East Gandhi Maidan, Patna- 800001 speed post in a sealed envelope or by email at eepda-ida-bih@gov.in latest by above set deadline.

The rate shall be quoted indicating base rate at different locations in Bihar as per given format. The detail of items for which the rates shall be quoted is as under:

Sl.	Item Description and 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.	Raw Makhana Seed- Washer •Capacity: 80-90 kg/hr • Made of heavy duty Mild Steel structure coated with antirust paint and PU paint. • Nylon Brushes are 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	No.	1		

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31.07.25

	<p>provided</p> <ul style="list-style-type: none"> •It should be near to the artificial ponds(made to store the raw seed) <p>(Artificial pond – 6 ft.x 6 ft x 4 ft depth – cemented ponds with water feeding and drain provision- minimum 8 nos.)</p>				
2	<p>Washed Makhana Seed Grader</p> <ul style="list-style-type: none"> •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. <p>Power requirement – 1.5 KW 3phase .</p> <p>(1 Phase machine can be provided on Demand)</p> <ul style="list-style-type: none"> •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 . <p>(This is a heavy machine and has vibration–so strong floor is required.)</p>	No.	1		
3.	<p>Graded Makhana Seed- Dryer</p> <p>Capacity of Each Chamber - 8 to10 kg .</p> <ul style="list-style-type: none"> •Total Capacity 80-90 Kg per hour • Each chamber is equipped with <ul style="list-style-type: none"> •heater / Blower and Temp. Control system •Placing/ taking out and agitating seeds is manual •Overall size of each Chamber – 32"x 40" x 39" <p>Power requirement of one chamber = 1.5 KW 3 phase For 7 chambers = 1.5 x7 = 10.5 kw</p> <p>(1Phase machine can be provided on Demand)</p> <ul style="list-style-type: none"> •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		

	<ul style="list-style-type: none"> •This machine should be placed on the ground floor only <p>(This machine eject shot and humid air-so has to provide strong ventilation above this)</p>				
4	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 <ul style="list-style-type: none"> •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 <p>(This machine has vibration-so has to provide strong foundation and floor.)</p>	No.	1		
5.	Dried Makhana First Roasting machine- Diesel Model <ul style="list-style-type: none"> •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 and this should also be placed inside the building. •This machine should be placed on the ground floor only next to gravity separator. <p>This machine emits heat and- so has to provide strong ventilation above it)</p>	Nos.	2		
6.	Roasted Makhana Seed Popping Machine Diesel	Nos.	2		

	<ul style="list-style-type: none"> •Capacity – 25-30 Kg per hour • Operation – Automatic Continuous • Roasting Chambers 4 nos. •Hopper one time feeding Capacity 5 kg •Feeding Automatic • Complete with <ul style="list-style-type: none"> •Automatic Feeder •Decorticator •Control Panel complete with <p>o All safety Features and o Variable Speed Drives o Temperature Controllers o All connections are done with connectors</p> <p>•Overall size of Machine after final Fitting of Feeder and Decorticator – 77"x 37" x 83"</p> <p>•Total Power requirement o Diesel Model</p> <p>•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</p> <p>•This machine should be placed on the ground floor only</p> <p>(This machine emits heat and vibration – so has to provide strong ventilation and strong floor foundation.)</p>				
7.	Sorting Conveyor upto 16 ft (Standard)	No.	1		
8.	<p>Popped Makhana Grading Machine</p> <p>Makhana Grader PMVG- 250/3 3+1= 4 Grade 250-300 Kg Per Hour Power Consumption- 2 Hp</p> <ul style="list-style-type: none"> •Complete with Motors and Control Panel <p>Optional:-</p> <ol style="list-style-type: none"> 1. Dust Aspiration System for Removal of Dust 2. Feeding Elevator (Z Type)& Feed Control Panel <p>Special Features</p> <ul style="list-style-type: none"> •Body Structure & Non Contact- Sheet Metal Body Parts MS Powder Coated. •All Contact Parts SS 304 •Low Maintenance auto Sieve 	No.	1		

	<p>Cleaning, High Production.</p> <ul style="list-style-type: none"> •Easy to use & Accurate Grading <p>(This machine can be placed on the 1st floor. Although this machine has vibration- for this we will provide vibration pads)</p>				
9.	<p>Band Sealer with Nitrogen Flushing</p> <p>Voltage- 220V/50 HZ Power- 500 W Sealing Speed- 0-12m/min Sealing Wide- 6-12mm</p> <p>(This is a small light weight - table top machine And do require kitchen type slab)</p>	No.	1		
10.	<p>Feeding Elevator For Seed Washer</p> <p>To Feed the Raw seeds to the washing machine,</p> <ul style="list-style-type: none"> •Variable Capacity • Power requirement – 1Hp 	No.	1		
11.	<p>Feeding Elevator For washed Seed Grading machine</p> <ul style="list-style-type: none"> •To Feed the Washed seeds to Seed Size Grading machine •Complete with Surge Vibration feeding Hopper to Synchronize with the Seed Grading Machine •Power requirement – 1Kw – 3 Phase 	No.	1		
12.	<p>Makhana Huller/Polishing Machine</p> <p>Model Name- Huller-500 Capacity- 500-700 Kg Per Hour</p> <ul style="list-style-type: none"> •Complete with Motor and starter <p>Optional:- 1. Feeding Z. Elevator& Feed Control Panel (will cost Extra)</p> <p>Special Features :- The machine is used for Cleaning of Popped Makhana, The Black Seed Coat sometimes remained stucked to the manually popped makhana , and red spots are also there, so this machine is used to</p>	No.	1		

	clean the Popped makhana. • Heavy Duty Body Structure MS painted • All Contact Parts SS • Separate Outlets for Clean Makhana/ chilka, Shell & broken • No Spillage • Easy to use and Collect				
13	Chapta Dana Removal Machine contact part SS (Standard)	No.	1		
14	Storage Rack	Nos.	6		
15	Total				

Rules :-

- This notice has been invited for the finalization of rates only.
- The quotation shall be submitted along with GST certificate and in case of authorised dealer-
authorisation certificate of OEM to be attached.

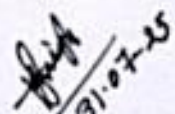
For further details or information regarding above subject matter interested persons are requested to visit official website www.idabihar.com or may contact office of undersigned.


Executive Engineer (PDA)

Memo No. 2945TEN
Copy to:

Date: 31/07/25

1. Director (PI), IDA for kind information.
2. P.R.O, IDA for publication in Notice Board.
3. Computer Programmer, IDA for kind information and necessary action.


Executive Engineer (PDA)