

કોટેશન નોટીસ

આચાર્ય, કૃષિ ઈજનેરી અને ટેકનોલોજી કોલેજ, દેડીયાપાડા ખાતે લેબોરેટરી અને ફાર્મ સાધનો ખરીદી કરવા ના ભાવ મંગાવવામાં આવે છે. આપના ભાવપત્રકો તા. ૦૨/૦૩/૨૦૧૫ સુધીમાં અત્રેની કચેરી ખાતે આચાર્ય, કૃષિ ઈજનેરી અને ટેકનોલોજી કોલેજ, પારસી ટેકરા, દેડીયાપાડાના સરનામે પોસ્ટ/કુરિયર મારફત મોકલવા વધુ માહિતી અને શરતો માટે www.nau.in પર જોવું

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દેડીયાપાડા

આચાર્ય
કૃષિ ઈજનેરી અને ટેકનોલોજી કોલેજ
નક્રુ., દેડીયાપાડા



Laboratory Instruments

1) SPECIFIC GRAVITY SEPARATOR

The Machine is specifically meant for removing impurities and achieving very high grading quality in any free flowing granular material, grains all types of seeds, spices, etc. It removes the impurities and upgrades the material on the principal of specific weight.

Feature:

- Quick and easily interchangeable type deck
- Fan is dynamically balanced, with adjustable air control for precise control of air flow.
- Variable oscillation speed of deck in wide range.
- Variable inclination of deck sidewise and lengthwise in wide range.
- Miniature feeding hopper with adjustable height and variable feeding rate through controlled gate.
- The machine is pre-wired from electric motor to starter to a single connection for incoming power supply.
- Operational accessories- one extra deck

Technical Specifications:

Capacity: 100 kg/hr

No. of Fans: 1

Size of deck (cm) (W x L): 855 x 550

Overall size (cm) (L x B x H): 122 x 84 x 168

Electric Drive:

Fan: 1.0 HP

Deck: 0.5 HP for manual speed control 0.25 HP for DC drive control suitable for 220 V, 50 Hz single phase AC supply

2) INDENTED CYLINDER SEPARATOR

Used for additional separation or up gradation of seeds, grains of various crops on length basis after size & sieve cleaning. Also used for removing weed seeds, broken or cut, round grains, material longer than the desired crop seed.

Features

All metal construction, Quick interchangeable types indent segments, High precision grading capability, Long service life and easy maintenance, Variable rotational speed of cylinder, Spouts for rejects and final seeds are provided with bag holding clamps

Working

Material enters the machine through a feeding device and reaches directly into the centre of the rotating cylinder. The shorter than required size particles in the indents and are lifted by the cylinder until they fall out under gravitational force into the internal trough. Large particles not deposited in the indents are retained on the inside surface of the cylinder. Due to rotating speed cylinder, short grains lodged in trough are discharged out separately via auger fitted with trough.

Technical Specifications:

Capacity: 1 TPH

No. of Cylinder: 1

Size of Cylinders (cm) (L x D): 1255 x 475

Electric Motor: 1

3) AIR SCREEN CLEANER CUM GRADER

Machine is suitable for efficient cleaning and grading of seed of all crops such as wheat, paddy, barley, maize, millers, sunflower, soyabean, oil seeds, flower seed, fooder/forestry seeds and various spices etc.

Features

Robust machine of all steel construction, Feeding manually, Air blast is provided with stepless variable air control arrangement for removal of lighter impurities like dust, chalk, husk, discased seed, small weed seed etc., The machine is pre-wired from electric motor for the incoming power supply. The unit supplied complete in all respect including electric motor & one set of screen (for any particular crop).

Working

Material is fed into a feed hopper where they drop through a controlled gate on the top sieve. Material is passed through top bottom screens for separation according to width and thickness. Sieve perforations are kept cleaned by specially designed nylon brush. After passing through top screens clean material passes through air blast where light particles are removed of by a strong upward drought of air. Final product and impurities are collected separately through discharge chutes.

Technical Specifications:

Capacity: 600 kg/hr

No. of Screens: Two

Size of Each Screen (cm) (W x L): 61.5 x 56.5

Screen Inclination: Fixed

Screen Perforation Cleaning Top & Bottom: Nylon Brush

No. of Air Blast: One

Electric Motor: 1 HP Single Phase, 220 V

No. of Scalping: One

No. of Grading: One

Total Screen Area: 0.7 m²

4) PLASTIC BAG SEALING MACHINE

- Size: 8" L to 30"L
- Power supply of AC 220V, 50Hz, Single phase
- Construction: M.S. & powder coated body
- Adjustable heat controller,
- Adjustable bag rest,
- Energy regulator for sealing pouches,
- Adjustable electronic timer,
- Tilttable sealing jaw
- Light in weight and easy to use.
- These sturdy machines are durable and provided with timer & buzzer system for sealing.

Farm Equipments

5) SPRAY PATTERNATOR AS PER BIS CODE

This is a close circuit laboratory model to study nozzle spray pattern on experimental basis. Facility of testing 2 nozzles at a time is also provided.

SCOPE OF SUPPLY

1) Portable fabricated frame structure made of aluminum sections and provided with bottom sump tank and transport covers from all sides.

2) Water spray system consisting of –

- i) Sump tank 25 lit. S.S.
- ii) High pressure pump with motor (2 HP).
- iii) Piping with flow meter and nozzle fitting arrangement.
- iv) Nozzle pressure gauge- 02 No.
 - a) 0 – 7kg/m² – 01No.
 - b) 0 – 40kg/m²- 01No.

With bypass valve.

- v) Nozzle height adjustment – 250 to 650mm.

3) Spray collection system comprises of-

- i) Spray collector section with 40 liner channels.
- ii) 40 measuring tubes of 25 mm ID and 300 mm height to measure the liquid collected with float balls for visual inspection. Tubes are calibrated to measure the liquid collected.
- iii) Unloading block with manual drain system.
- iv) Collector channel slope – 3° - 5°.

6) SPRAY PUMP TEST RIG

Performance and endurance test rig Knapsack sprayer & Hand pump sprayer As per BIS Standard It is mounted on M.S. Structure dully powder coated.

- The Unit Comprises of
- M.S. Frame Stand pressure gauge accumulator for reducing damping effect of pressure gauge
- Suction & discharge pipe
- Sum Tank & measuring Tank
- 1 HP DC motor of 1500 rpm with dimmerstat arrangement for attaching pressure assembly to Knapsack / Hand pump Tank
- Digital counter for stroke measurement
- Sprayer Pump • Pressure Gauge
- Main Switch

7) AUTOMATIC PADDY SEEDLING MACHINE (TRANSPLANTER) WITH 100 TRAYS

Specification:

- Lifting Mechanism Hydraulics
- Number of planting row 8
- Row spacing 20-25 cm
- Hill spacing 13-19 cm
- Number of seedling 2-8
- Planting Depth 0-5 cm
- Approx...Planting efficiency 0.18-0.20 hectare/hour

Terms and Conditions of the Tender:

1. Rates should be inclusive of all taxes, Octroi, F.O.R. to our Office/Laboratory including installation and demonstration.
2. Duly filled Quotation form in sealed envelope should reach the Principal, College of Agricultural Engineering and Technology, NAU., Dediapada by post/courier/register Ad. before **02/03/2014** through register ad, post/courier/personally.
3. Please write on top of envelope "**Quotation for Laboratory and Farm Equipments....** " and mention clearly sender's name and address.
4. Quotations shall be opened as and when Principal will decide.
5. The prescribed configuration is not a mandatory. Higher configuration or latest Model will also be permitted.
6. Lowest price shall not be a only criteria since our main emphasis will be on quality of the product quoted.
7. However, if committee deems proper, the negotiation for the final price will be done with the tenderers. First chance will be given to the lowest price in the chronological order.
8. The committee is empowered to reject any or all the Quotations without giving any reason. This shall not be challengeable in the court.
9. No correspondence shall be entertained after submission of Quotations.
10. Delivery should be made within a month after receiving supply order at **College of Agricultural Engineering and Technology, Parsi Tekra, Dediapada 393 040, Di. Narmada.**
11. No advance payment will be made.
12. No penalty or penal interest will be paid due to delay in payment on account of unforeseeable reasons.
13. Payment will be made only after satisfactory supply and installation.
14. Warranty period against any manufacturing defects of material should be clearly mentioned.
15. **Discount if any offered, may please be specified.**
16. Authorized dealer should enclose authorization certificate (Attested photocopy) of manufacturing company.
17. **Attach the separate sheet mentioning detail specification along with literature.**
18. Provide **the list of your valued customers of the said items in state Agricultural University, ICAR Centers, Other Government and Semi Government Bodies. NGOs etc in India.**
19. In case of dispute, decision of the Registrar, Navsari Agricultural University, Navsari will be final and acceptable to all the parties.
20. The jurisdiction for any legal dispute shall be Navsari District only.

Note: *Specifications of all the machines and equipments are approximate small variations may be allowed.*

Accepted

Supplier Seal & Signature