

F. No: 2-1/(84)/2017/S&P

Date: 04.01.2018

Sub: Quotation is invited for Integrated Seed processing plant with automatic weighing and bagging unit- Reg.

Dear Sir (s),

Quotations are invited for following items cited below:

S.No.	Description	Qty 1unit
1	Integrated Seed processing plant with automatic weighing and bagging unit comprising of following technical Specifications	
A) V.B. ELEVATOR OF SUITABLE DISCHARGE HEIGHT Capacity : 1 Tons/hr Complete with 1 HP geared motor, starter, switch and other standard features. Head casing, boot casing and leg casing made of 2.0 mm, 3.0 mm and 1.6 mm GI. Sheet respectively. Spouting shall be made of 2 mm M.S. Sheet. Spouting, spout sections, discharge valve, ladder, service platform, boot plate, take up unit, hopper with grating and feed control gate shall be made of M.S. silver painted. Belt shall be NN rubber belt, buckets shall be HDPE/Die Pressed from M.S. Sheet of 1.6 mm thick self cleaning type. Spacers shall be provided in between belt and buckets to prevent damage to seeds. Boot pulley shall be wing type to prevent lodging of seed between belt and pulley. Head pulley shall be rubberised and crowned for improved traction. Sprocket shall be TLB type for easy and quick fitting. Belt speed shall not exceed 1.2 m/sec.		1No
B) AIR SCREEN GRAIN/SEED PRE-CLEANER Machine is mainly suitable for efficient cleaning of various cereal , pulses and oil seed crop seeds Cap.: 1 Tons/hr. Complete with 5 HP electric motor (Siemens/Crompton/Rotomotive/equivalent make for operation on 440V, 3 Ph, 50 c/s. A.C. supply), starter, switch, fitted with one set of screens (Screen Size Top : 89 x 100 cm, bottom 89 x 180 cm W x L. It has two flat oscillating screens, perforation cleaning of top screen by beaters & bottom screens by nylon brushes, double aspiration, variable shoe shake) and all other standard features (regulated feed hopper, dynamically balanced fan, air chamber, screen deck and spouts are self cleaning type. O.A. size: 356 x 175 x 285 cms. (LxWxH)). SUB-ASSEMBLIES & PARTS i) ADDITIONAL SCREEN SET 1No. Screens are made of 0.8 mm CRC perforated sheet and fitted on seasoned hard wood frame, suitably inclined. The screens are free from curvature and burrs. ii) CYCLONE DUST COLLECTOR iii) AIR TRUNK		1 No <

<p>nylon brushes, double aspiration, variable shoe shake) and all other standard features (regulated feed hopper, dynamically balanced fan, air chamber, screen deck and spouts are self cleaning type. O.A.size : 307 x 142 x 256 cms (LxWxH)</p> <p>SUB-ASSEMBLIES & PARTS</p> <p>i) ADDITIONAL SCREEN SET 1No. Screens are made of 0.8 mm CRC perforated sheet and fitted on seasoned hard wood frame, suitably inclined. The screens are free from curvature and burrs.</p> <p>ii) CYCLONE DUST COLLECTOR</p> <p>iii) AIR TRUNK</p>	<p>1No</p> <p>1No</p> <p>3 Nos</p>
<p>D) V.B. ELEVATOR OF SUITABLE DISCHARGE HEIGHT</p> <p>Capacity : 1 Tons/hr</p> <p>Complete with 1 HP geared motor, starter, switch and other standard features. Head casing, boot casing and leg casing made of 2.0 mm, 3.0 mm and 1.6 mm GI. Sheet respectively. Spouting shall be made of 2 mm M.S. Sheet. Spouting, spout sections, discharge valve, ladder, service platform, boot plate, take up unit, hopper with grating and feed control gate shall be made of M.S. silver painted. Belt shall be NN rubber belt, buckets shall be HDPE/Die Pressed from M.S. Sheet of 1.6 mm thick self cleaning type. Spacers shall be provided in between belt and buckets to prevent damage to seeds. Boot pulley shall be wing type to prevent lodging of seed between belt and pulley. Head pulley shall be rubberised and crowned for improved traction. Sprocket shall be TLB type for easy and quick fitting. Belt speed shall not exceed 1.2 m/sec.</p>	<p>1No</p>
<p>E) SPECIFIC GRAVITY SEPARATOR</p> <p>Capacity: 1 Ton/hr.</p> <p>Suitable for all types of grains, seeds and granular products. Compact and sturdy steel channel frame with high quality wooden rectangular deck mounted on teflon bushings, deck size 800 x1590 mm (WxL) dynamically balanced fans (3 Nos.) with individual adjustable air control, variable oscillation speed of deck with the help of variable frequency drive, variable lengthwise & sidewise inclination of deck, has hydraulic system for cleaning of deck, regulated feeding, built in air filters. Complete with electric motor of 4 HP 440 V for fans and 1 HP, 440 V for deck for fine seeds crops of Siemens/Crompton/Rotomotive/Equivalent and starter, switch.</p> <p>SUB-ASSEMBLIES & PARTS</p> <p>i) ADDITIONAL DECK ASSEMBLY: One for super fine & second for coarse seed.</p> <p>ii) CYCLONE DUST CANOPY: Cyclone Dust Canopy System with integral fan, electric motor, starter & switch.</p>	<p>1No</p> <p>2Nos</p> <p>1No</p>
<p>F) V.B. ELEVATOR OF SUITABLE DISCHARGE HEIGHT</p> <p>Capacity : 1 Ton/hr</p> <p>Complete with 1 HP geared motor, starter, switch and other standard features. All sheet metal components shall be manufactured on CNC machine. Head casing, boot casing and leg casing made of 2.0 mm, 3.0 mm and 1.6 mm GI. Sheet respectively. Spouting shall be made of 2 mm M.S. Sheet. Spouting, spout sections, discharge valve, ladder, service platform, boot plate, take up unit, hopper with grating and feed control gate shall be made of M.S. silver painted. Belt shall be NN rubber belt, buckets shall be HDPE/Die Pressed from M.S. Sheet of 1.6 mm thick self cleaning type. Spacers shall be provided in between belt and buckets to prevent damage to seeds. Boot pulley shall be wing type to prevent lodging of seed between belt and pulley. Head pulley shall be rubberised and crowned for improved traction. Sprocket shall be TLB type for easy and quick fitting. Belt speed shall not exceed 1.2 m/sec.</p>	<p>1No</p>
<p>G) BAGGING BIN</p> <p>Capacity: 1 Ton 1.6 mm G.I. Sheet for sides & 2 mm G.I. Sheet for hoppers bottom. M.S. pipe for supporting legs with 10 mm thick foundation plate, suitable M.S. Pipe bracing. Equipped with manually operated discharge gate, transparent sheet window for seeing the seed level in the bin</p>	<p>1No</p>
<p>H) AUTOMATIC WEIGHER & BAGGER WITH AIR COMPRESSOR</p> <p>Weighing Range: 5 Kg to 50 Kg.</p> <p>Net Weighing and Bagging Machine for materials like cereals, grains, seeds etc. in open mouth or valve type bags. Weigher uses simple load cell suspension technique assuring accuracy, consistency and trouble free operation.</p> <p>No. of Bags/min : 2</p> <p>Property of material : Free flowing</p>	<p>1No</p>

<p>Accuracy : +- 1gm to 8gm Digital display : LED Type of load cells : Hermetically sealed IP67 protected No. of load cells : 3 Nos. Facility : Auto/Manual Mode Type of electric control panel: PLC based with 7 K memory. Digital inputs : 14 Digital output : 10 Complete with load cells, load cell retainer assembly, load cell junction box, PLC based control panel, load cell cable, weigher hopper with pneumatic discharge gate, sector gate with coarse and fine feed facility, discharge collection spout, pneumatic bag holding clamps for open mouth bags, stamping for first year only. SYSTEM ARRANGEMENT (OPERATION) Auto weighing and bagging machine shall be mounted below storage silo (Bagging Bin). Weigh hopper is mounted on load cell. The PLC is programmed for required value with coarse and fine feeding, batch number, tolerance etc. On run command, system will start weighing. Once the material reaches 90% of required value, coarse feed stops and fine feed starts and stops when 100% value, material drops from Weigh hopper to the discharge spout. When the weigh hopper is empty, system shuts off the gate and starts next batch and goes on working in this sequence. To be supplied with 2 additional bagging spout. AIR COMPRESSOR FOR PNEUMATIC CLAMPING OF BAGS Make : GNET Motor : 3 HP No. of cylinders : Two Capacity of air tank : 150 litre Air Pressure : 12 Kg/square m Complete with base frame with castors, 10m air hose, air nozzle, T, motor, starter, switch with auto start, stop.</p>	
<p>Other Essential requirements</p> <ol style="list-style-type: none"> 1. The complete system will be under comprehensive warranty for 24 months 2. All Operational and maintenance manual to be supplied printed in English/Telugu 3. The firm has to train the onsite staff till the operator independently functions all the operations of the seed processing plant. 4. All the prices quoted is firm final FoR HRF, Vijayawada Road Hyderabad CRIDA and all inclusive along with supply, installation, commissioning of seed processing plant including following additional works. <ol style="list-style-type: none"> i. All accessories additional requirements for supply, installation, commissioning and operation of processing plant are to be supplied full filled and provided by the firm ii. Any masonry work /any other fabrication /construction work that may be necessary for supply, installation, commissioning of this seed processing plant is under the scope of firm. iii. Necessary material for Final connection of the electrical control panels from source point to seed processing plant is under the scope of firm. 	

TERMS & CONDITIONS

1. The last date for submission of quotation is on or before **24-01-2018**. Rates offered shall be F.O.R. CRIDA, Hyderabad
2. Quotations should be sent by post only in a sealed cover addressed to the Director, Central Research Institute for Dry land Agriculture, Santoshnagar, Saidabad Post, Hyderabad - 500 059. The cover containing quotation should invariably be super scribed. The quotations in person by hand will not be accepted.
 - a. Enquiry F. No: 2-1/(84)/2017/S&P
 - b. Due date upto 24-01-2018
 - c. For Integrated Seed processing plant with automatic weighing and bagging unit
3. The quotation should remain open for acceptance for a period of 90 days from the date (due date)
4. An earnest money of **Rs. 40,000/- (Rupees Forty thousand only)** should be deposited in the form of Demand Draft / Banker's Cheque in favour of 'ICAR Unit - CRIDA' payable at

[Handwritten Signature]

- Hyderabad. The quotation will not be considered if earnest money is not deposited with the tenders.
5. The earnest money would be refunded to all the unsuccessful bidders . For Successful bidders the earnest money would be refunded only after deposition the Security deposit/Performance Guarantee.
 6. An amount of 10% of total order value as Security Deposit (Performance Guarantee) in the form of DD/ PO/Bank Guarantee/FDR is to be deposited by the successful Bidder only after receiving a communication from the Institute. In the event of non-deposition of the same within 15 days of the communication, the earnest money will be forfeited. In the event of any default of performance or conditions of supply, the security deposit will be forfeited.
 7. No advance payment/delivery against payment is permissible. However, the payment shall be arranged in 10 days from the date of submission of pre-receipted bill in triplicate along with stores.
 8. The rates quoted should be net payable for each item for delivery at the Institute at the address given above (inclusive of all taxes, packing, forwarding, transport, insurance and excluding rebate/discount etc.)
 9. This Institute is not in a position to supply any ' D ' or 'C' forms.
 10. While quoting the rates please mention the following:
 - Approximate time for supply of stores from the date of placing order.
 - Guarantee/Warranty/Expiry period
 - In case you have got any rate contract with the DGS&D, the same may be indicated
 - Any other condition

Quotation which do not conform to the above terms and conditions will not be considered. The Director, Central Research Institute for Dryland Agriculture, reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

Yours Sincerely



(Er C V K N Rao)
Stores and Purchase Officer