

# **J&K Agro Industries Development Corporation Ltd. Gole Pully, Talab Tillo Jammu.**

**E-mail Id – dmjkagrojammu@gmail.com**

**E NIT No. 62 of 2023-24 JK Agro**

**NO: -Agro/DM/PSJ/4633-36**

**DATED:-06.12.2023**

For and on behalf of J&K Agro Industries Development Corporation Limited, bids are invited from Registered Principal Manufacturers for annual rate contract of Seed processing Plant. J&K Agro industries Development Corporation is having a procurement and sales division which procures and supplies Agricultural machineries to Agri. and allied Departments to meet the demands of various Govt Deptts during the financial year. Corporation intends to finalize the Procurement Purchase arrangements through this E-tender. After completing the process of Annual Rate Contract through E-tendering, the Corporation places the supply order to successful bidder as per the specification and demand from intending departments.

| S. No | Name of item.  | Amount of CDR (inRs.) | Cost of Tender Documents (inRs.) | Date and time of opening of bids (online) |
|-------|--|-----------------------|----------------------------------|---|
| 1.    | Establishment of SSP & SSG Facilities at Gram Panchayat Level (Supply, Installation, Testing and Commissioning of Seed Processing Plant 1-TPH Capacity multi crop) (detailed specifications are in the Annexure C) | 50,000/-              | 2,360/-(Non-Refundable)          | 13.12.2023                                |

1. The Bidding Document Consisting of qualifying information, eligibility, criteria, Specification, set of terms and condition of contract and other details can be seen/downloaded from the departmental website [www.jktenders.gov.in](http://www.jktenders.gov.in) as per the schedule of dates given below:-

|   |   |  |
|---|---|--|
| 1 | Date of Issue of NIT                                | 06.12.2023   |
| 2 | Period of downloading of bidder documents           | 06.12.2023 to 12.12.2023 till 16:00 hrs  |
| 3 | Bid submission Start date                           | 06.12.2023   |
| 4 | Bid submission End date                             | 12.12.2023 at 16:00 hrs  |
| 5 | Date and time of opening of Technical bids (online) | 13.12.2023 at 15:00 hrs  |
| 6 | Date and time of opening of Financial bids (online) | After the complete Technical Evaluation of documents of all participated bidders |

2. Bids must be accompanied with cost of tenders' documents in shape of Bank Receipt in f/o J&K Agro Industries Development Corp. Ltd bearing J&K Bank **Acc NoCD-0097010100000962, IFSC Code- JAKA0TNHALL**, Earnest money/bid security in the shape of CDR/FDR Pledged in favour of Managing Director J&K Agro Industries Development Corporation Limited.
3. The date and time of opening of bid shall be notified on website [www.jktenders.gov.in](http://www.jktenders.gov.in) and convey to the bidder automatically through an e-mail message on their mail id. The bids of responsible bidders shall be opened online on same website in the office of **Managing Director J&K Agro Industries Development Corporation Limited. (Tender receiving authority).**
4. The earnest money shall be fortified if.
  - a)Any bidder/ tenderer withdraw his bid/ tender during the period of bid validity or make any Modifications in the terms and conditions of the bid.

b) Failure of Successful bidder to execute the agreement within 07 days after fixation of contract.

5. **Instruction to bidders regarding e-tendering process.**

- 5.1 Bidders are advised to download bid submission manual from the "Downloads" option as well as from "Bidders Manual Kit" on website [www.jktenders.gov.in](http://www.jktenders.gov.in) to acquaint bid submission process.
- 5.2 To participate in bidding process, bidders have to get 'Digital Signature Certificate (DSC)' as per Information Technology Act-2000. Bidders can get digital certificate from any approved vendors.
- 5.3 The bidders have to submit their bids online in electronic format with digital Signature. No bid will be accepted in physical form.
- 5.4 Bids will be opened online as per time schedule.
- 5.5 Bidders must ensure to upload scanned copy of all necessary documents and complete address and contract no. with the bid. Besides, original/Photocopies of documents related to the bid are submitted physically only by L-1 bidder.

**Note: - Scan all the documents on 100 dpi with black and white option.**

6. **The department will not be responsible for delay in online submission due to any reasons.**

7. Scanned copy of **cost of tender document** in shape of Bank Receipt and Earnest Money/Bid Security in shape of CDR/FDR pledged to **Managing Director J&K Agro Industries Development Corporation Limited** must be uploaded with the document of the bid.
8. Bidders are advised to use **"My Documents"** area in their user on [www.jktenders.gov.in](http://www.jktenders.gov.in) portal to store such documents as are required.

9. **The technical Bid must consist of following information and documents.**

- 9.1 All bidders shall include the following information and documents with their bids:-
  - (a) Copy of Place of registration and principal place of Business, with complete address and contact details.
  - (b) Copy of Principal manufacturer certificate.
  - (c) Copy of GSTIN No. Number
  - (d) Copy of PAN Number.
  - (e) Copy of Latest GST return file shall be furnished.
  - (f) Copy of EMD/FDR.
  - (g) Certificate of ISO -9001 : 2015
  - (h) Copy of cost of document (COD) in the shape of bank slip only.
  - (i) Notarized Affidavit as per annexure-A
  - (j) Notarized Affidavit as per annexure-B

9.2 All documents relating to the bid shall be in the English Language.

10. **It is mandatory for all bidders participating to submit all documents in terms of soft copies in e-tendering website and no documents in terms of Hard Copies shall be entertained. However, lowest bidder will be called for submission of CDR/FDR AND CDR/EMD only release after expiry of the contract.**

11. The Tender documents duly signed with seal on each page in token of acceptance of all terms and conditions of Tender should also be enclosed.

**Note: In case the above mentioned documents are not enclosed, the tender can be rejected as per the decision of the Purchase Committee.**

**General conditions of contract:-**

1. The firm shall have to certify that the rates quoted by them are the lowest rates and has not quoted rates lower than these rates to any Govt. Deptt. /Agency in J&K for the similar items. If at any stage it is proved that the prices charged by tenderer are higher than the prices quoted to other Departments or higher than the prevailing market rates in JK UT the tenderer shall be liable for prosecution under law and the excess amount charged thereof shall be recovered from your bill/securities etc. All the bills shall be settled at the market rates only vetted by Purchase committee.

2. In case the firm fails to supply ordered items, within the stipulated period, the CDR/ EMD shall be forfeited and supplier shall have no claim for its refund / release in any manner. Besides, the firm shall be black-listed for future business with JK AIDCL.

3. **Guarantee / Warrantee:**

The material should be guaranteed for a period of 12 months against any manufacturing defects. In case of any complications/ defects, the complained has to be attended immediately and defective items shall be replaced at your cost. Failure in the compliance of this can cause in the forfeiting of the Security Deposit. The bidder should mention the location of the work shop and should be in a position to service the equipment at site.

4. Rates quoted shall be F.O.R. Jammu and Kashmir Division of the concerned indenting department at block/tehsil/District level.

5. **Validity of Rates:-**

The rates quoted by the suppliers shall remain for one financial year and it will be extended on mutual agreement and inclusive of all taxes.

6. **Certificate:**

The bidders should have to submit an ISO -9001 : 2015 certificate.

7. **Payments:**

Payments shall be made after receiving from the indenting Deptt. and on receipt and verification of the material by the indenting Deptt. Only 90% payment shall be released to the supplier/firms and 10% payment shall be reserved as a security Deposit for 12 months from the date of Completion and handing over of work.

8. **Agreement:**

The successful firms shall have to execute an agreement in the prescribed format within seven days from the date of intimation to this effect.

9. **Delivery schedule**

The work should be started within 07 days or as per the terms of Work Order. In case of delay in start the work beyond the stipulated time, 0.25% per day penalty of value of the ordered material shall be imposed subject to max of 10% billed amount or as the Managing Director, AIDCL may deem fit and / or forfeit the Earnest Money / Security Deposit.

10. **ARBITRATION**

In case of dispute of any nature arising while servicing the ordered items, the matter shall be referred to the Managing Director, JK AIDCL whose decision as arbitrator shall be binding for the resolution of the dispute. In case the matter cannot be resolved further, in that situation, the legal institution / Courts of the J&K State shall be the alternative forum for dispute resolution.

11. **Submission of offer**

The tenders shall be opened on the date mentioned in above table 2 at same office in presence of the tenderers who wish to be present or any subsequent date convenient to Purchase Committee.

12. Managing Director, JK AIDCL reserve the right to accept or reject any or all tenders in part or full without assigning any reason thereof.
13. As soon as the acceptance of tenders is conveyed to the successful firm the contract shall be final and binding upon the successful firm and agreement deed shall have to be executed with the Corporation by the supplier within 7 days from the date of issue of letter of acceptance.
14. The Purchase committee, after the approval of the MD JK AIDCL, reserves the right to accept or reject any tender, part of a tender or all tenders without assigning any reason thereto.
15. The tenderer along must also submit a soft copy of its latest Income Tax/GST Clearance Certificate
16. Tender without payment of tender cost and EMD shall be rejected. It is a works contract. There is no EMD exemption on account of MSME bidder
17. The offer should be signed by the authorized person and his full name and status should be indicated below his signature.
18. The tender should be accompanied with the Technical literature/Boucher/Pamphlets of the products.
19. Corporation reserves the right to carry out market survey also to assess the lowest market rate of the items. However, the lowest market rate shall be offered to tenderer for acceptance on rate contract basis and the bidder shall have no objection for it.
20. **Force Majeure:**  
If the completion of the supply is delayed by strikes, lockouts, fire accidents, war or any other cause beyond the control of the supplier and the supplier satisfies the Corporation by a documentary proof in that respect, a reasonable extension in the time limit may be granted by the Corporation without effecting or decreasing/increasing the basic price as per force Majeure clause of the agreement. However, damages caused due to strikes, rain or snow shall not constitute an act of God.
21. **Third Party Inspection**  
The corporation reserves the right to get the material, machinery and complete line inspected by third party to ensure the material supplied in exactly as per specification mentioned in the tenders' documents for those particulars machine/items.
22. The terms and conditions of the corporation is final and is binding on the part of the bidder. No terms and conditions will be accepted from bidder side.
24. Before issuance of supply order to the supplier/firm. The supplier/Firm has to deposit the Performance Security @ 5% of the work done and the same shall be released after the completion of the work.
25. The Manufacturer has an experience of manufacturing of Seed Processing Plants amounting to Rs.10 Crore or more from last five financial year (Copy of supply order and work completion certificate along with satisfactory performance certificate from the concerned departments).

26. If there is any deviation from the specification of the Seed processing Plant (01TPH Capacity), all the penalties in such case will be applicable on the bidder only.
27. The manufacturer must have its own office/workshop/Service centre in the Territory of J&K UT for the purpose of any damage and repairing and the location of the same shall be mentioned in the uploaded tender documents separately.
28. The average annual total turnover / revenue from operations for the last three financial years (i.e. 2020-21, 2021-22 and 2022-2023) should be of value not less than Rs 10 Cr. The information shall be supported by CA certificate with UDIN no. & audited Balance Sheets and Profit & Loss statements of specified last three financial years.
29. The bidder must provide plant layout and details of floor requirements be supplied along with tender.
30. An **Affidavit on Rs.10** non judicial stamp paper that price charged for supplies under contract shall under no circumstances exceed the lowest price at which the contractor sells identical description to any **Govt. Department/Institution/Public Enterprises/Undertaking** during the period of contract as per Performa attached in Annexure-A.
31. An **Affidavit on Rs.10 non** judicial stamp paper that the company/firm has not been neither black listed nor de-barred from participation in tender by any of the **Govt.Department/Organisation/PSU** etc as per Performa attached in Annexure-B.

Sd/-  
Divisional Manager (P&S)  
Member Secretary,  
J&K Agro Ind. Dev. Corpn.Ltd.  
Procurement & Sales Division, Jammu

**Copy to.**

1. Managing Director, JKAIDCL, Jammu for Kind information please.
2. Director Finance JKAIDCL, Jammu for Kind information please.
3. General Manager, Cattle Feed Plant, Bari Brahmana, Jammu for information
4. Divisional Manager, P&S, Kashmir for kind information.
5. Office File.

**JK AGRO INDUSTRIES DEVELOPMENT CORPORATION LTD.**

Annexure-A

Affidavit Certificate

I/We \_\_\_\_\_ (Name, Designation and Address) here  
by declaring that price charged for quoted item/items under this contract, our firm has no circumstances  
exceeded lowest price of identical goods given to any Govt.  
Department/PSUs/Institutions/Organizations etc during current year.

Signature of Authorized Signatory \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

Name of the Firm/Company \_\_\_\_\_

Full Address \_\_\_\_\_

Stamp \_\_\_\_\_

Place: \_\_\_\_\_

Dated: \_\_\_\_\_

**JK AGRO INDUSTRIES DEVELOPMENT CORPORATION LTD.**

Annexure-B

Affidavit Certificate

I/We \_\_\_\_\_ (Name, Designation and Address) here by declaring that our firm/company has not been neither blacklisted nor de-barred from participation in tender by any Govt. Department/PSUs/Institutions/Organizations etc. I/We had supplied the goods during the last three years.

Signature of Authorized Signatory\_\_\_\_\_

Name\_\_\_\_\_

Designation\_\_\_\_\_

Name of the Firm/Company\_\_\_\_\_

Full Address\_\_\_\_\_

Stamp\_\_\_\_\_

Place: \_\_\_\_\_

Dated: \_\_\_\_\_

## ANNEXURE C

### MACHINE/EQUIPMENT SPECIFICATIONS

#### THROUGHPUT CAPACITY: 1 TPH BASED ON MULTI CROP

| S.No. | DESCRIPTION   | QUANTITY (Nos.)                          |
|-------|---|--|
|       | 1 TPH Throughput Capacity (Multi Crop) Complete Seeds Processing Line having broad Technical Specification of Machines/Equipment of processing line are asunder.  | One No.<br>Complete Seed Processing Line |
| 1.    | <p><b>BUCKET ELEVATOR WITH Y SECTION FOR GENTLE-FEEDING OF SEEDS IN TO SEED GRADER :</b></p> <p><u>Bucket Elevator with one way valve to feed Seed grader</u></p> <p>Capacity: 2 TPH<br/>Discharge height depending upon feeding height of seed grader .</p> <p><b>All sheet metal components shall be manufactured on CNC machine.</b></p> <p>Self-supporting, centrifugal discharge Vertical Bucket Elevator shall have following standard features.</p> <p>Dump Hopper: 1000 x 500 mm made of 2.50 mm M.S. Sheet with feed regulated gate and heavy-duty grating.</p> <p>V-BOTTOM BOOT ASSEMBLY: Self-cleaning type with sliding plates with sliding tray. The thickness of the boot shall be 3.20 mm GI /MS Sheet. The pulley shall be mounted on a heavy-duty shaft on self-aligned ball bearings. Belt tightener shall be provided with the help of bake-lite guide for easy sliding of take up unit. Two removable slide gates shall be provided for easy and fast cleaning and rendering service to the bottom pulley. Boot pulley shall be wing type to prevent damage to the seed in between belt and pulley. Boot of the elevator with dump hopper should be installed in the pit in such a way that grating of the hopper in at floor/ground level to facilitate manual feeding of seed in the dump hopper.</p> <p>MIDDLE SECTION LEGS: Each section of leg shall be made of 2.00 mm thick GI /MS sheet. It shall be provided with flanges at both ends. Belt inspection door shall be provided at suitable height.</p> <p>HEAD CASING: It shall be made of 2.5 mm thick GI /MS sheet. Detachable split cover with rubber inside shall be provided for accessibility to head pulley. Head pulley shall be rubberised and crowned for improved traction and shall be mounted on a heavy-duty shaft and self-aligned ball bearings. Sprockets shall be TLB type for easy and quick fitting.</p> <p>LADDER AND PLATFORM: Ladder, service platform with safety cage of suitable size and height shall be provided to enable accessibility to the head boot and shall be made of M.S.</p> <p>BELT AND BELT SPEED: Food Grade belt shall be used for fastening of buckets (cups). <b>The belt speed shall not exceed 1.0 m/sec.</b></p> <p>BUCKETS: Buckets of self-cleaning type, HDPE /Food Grade shall be used. Buckets should be fastened with cup-bolt and washers with belt and spacers provided between buckets and belt to prevent damage to the seeds.</p> <p>DISCHARGE PIPE: Suitable dia discharge pipe made of 2.00 mm SS Sheet mirror finish sheet for discharging the seeds.</p> <p>ELECTRIC DRIVE: Suitable geared motor Siemens/Crompton/Rotomotive/Equivalent make for operation on 440 V, 3 phase, 50 cycles, A.C. Supply</p> | One                                      |



|                                 |  |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
|---------------------------------|--|--------------|-------------------------------|---------------|------|--------------|------|--------------------------|-------------|--------------------|--------------|---------------------|--------------|--------------------|------------------------|--------------------|-------------------|--------|--|----------------|--|---------------------------------|------------|------------------|-------|---------------|---|-----|
| 2.                              | <p><b>SEED GRADER:</b></p> <p>Capacity: 1 TPH at 12% moisture content and 10% impurities.</p> <p>Machine is suitable for efficient cleaning &amp; grading of all crops such as wheat, paddy, maize, millets, sunflower, soyabean, barley, oil seeds, vegetable seeds, coffee seeds, pulses and various spices etc.</p> <p><b><u>SPECIFICATIONS:</u></b></p> <table><tr><td>No.ofScreens</td><td>Three (flat, oscillatingtype)</td></tr><tr><td>No.ofScalping</td><td>:One</td></tr><tr><td>No.ofGrading</td><td>:Two</td></tr><tr><td>Size of top screen (LxW)</td><td>: 800x750mm</td></tr><tr><td>Middle Screen(LxW)</td><td>: 1620x750mm</td></tr><tr><td>Bottom Screen (LxW)</td><td>: 1620x750mm</td></tr><tr><td>TotalScreeningArea</td><td>: Not less than 3.00m²</td></tr><tr><td>Screen Inclination</td><td>:FixedScreenperfo</td></tr><tr><td>ration</td><td></td></tr><tr><td>cleaningdevice</td><td>: Top: - Rubber Ball/Beaters Middle &amp;Bottom:- NylonBrush</td></tr><tr><td>Oscillating speed of Screendeck</td><td>: Variable</td></tr><tr><td>No.ofaspirations</td><td>: Two</td></tr><tr><td>ElectricDrive</td><td>: 2 separate motors for fanandsievedeck suitable for 440V 50 Hz,ACsupply.</td></tr></table> <p><b><u>CONSTRUCTIONAL FEATURES :</u></b></p> <ul style="list-style-type: none"><li>• All steel construction with frame of MS PIPE in one section weldedstructure.</li><li>• Feeding hopper is provided with a feed control gate to regulatethe feedingrate.</li><li>• The machine is equipped with dynamically balanced aspiratorfan.</li><li>• Air aspirations are provided with stepless variable air control arrangement for removal of lighter impurities like dust, chaff, husk, deceased grains, small weed seedetc.</li><li>• Air chamber is self-cleaningtype.</li><li>• All screens of not less than 1.00 mm GI CNC punchedperforated sheet free from curvature andburrs.</li><li>• Sieve Deck assembly is self-cleaning type to avoid admixtures during cleaning.</li><li>• All spouts are fitted with bag holding clamps at bagging height and are self-cleaningtype.</li><li>• All moving parts are covered with safetyguard.</li><li>• All transmission shafts are made of EN-8 material and are mounted on pillow/flange type self-aligned ball bearings with built-in casing withcap.</li><li>• The machine is pre-wired from electric motors to the starters to a single connection for the incoming powersupply.</li></ul> <p>The unit is supplied complete in all respect including electric motor, 04 set of screens, dust collector and required nos. of air trunks.</p> <p>Additional set of screen and other accessories to improve the performance of the machine shall be quoted separately with full technical details.</p> | No.ofScreens | Three (flat, oscillatingtype) | No.ofScalping | :One | No.ofGrading | :Two | Size of top screen (LxW) | : 800x750mm | Middle Screen(LxW) | : 1620x750mm | Bottom Screen (LxW) | : 1620x750mm | TotalScreeningArea | : Not less than 3.00m² | Screen Inclination | :FixedScreenperfo | ration |  | cleaningdevice | : Top: - Rubber Ball/Beaters Middle &Bottom:- NylonBrush | Oscillating speed of Screendeck | : Variable | No.ofaspirations | : Two | ElectricDrive | : 2 separate motors for fanandsievedeck suitable for 440V 50 Hz,ACsupply. | One |
| No.ofScreens                    | Three (flat, oscillatingtype)  |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| No.ofScalping                   | :One   |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| No.ofGrading                    | :Two   |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| Size of top screen (LxW)        | : 800x750mm  |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| Middle Screen(LxW)              | : 1620x750mm   |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| Bottom Screen (LxW)             | : 1620x750mm   |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| TotalScreeningArea              | : Not less than 3.00m²   |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| Screen Inclination              | :FixedScreenperfo  |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| ration                          |  |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| cleaningdevice                  | : Top: - Rubber Ball/Beaters Middle &Bottom:- NylonBrush   |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| Oscillating speed of Screendeck | : Variable   |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| No.ofaspirations                | : Two  |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |
| ElectricDrive                   | : 2 separate motors for fanandsievedeck suitable for 440V 50 Hz,ACsupply.  |              |                               |               |      |              |      |                          |             |                    |              |                     |              |                    |                        |                    |                   |        |  |                |  |                                 |            |                  |       |               |   |     |

|    |  |     |
|----|--|-----|
| 3. | <p><b>V. B. ELEVATOR WITH Y SECTION WITH TWO WAY VALVE TO FEED GRAVITY SEPARATOR OR BAGGING BIN :</b></p> <p>Capacity : 2 TPH</p> <p>Matching capacity &amp; discharge height according to Gravity Separator and Holding Bin.</p> <p>Other specifications shall be same as at Sr. No.1.</p>  | One |
| 4. | <p><b>SEED SPECIFIC GRAVITY SEPARATOR:</b></p> <p>Capacity: 1 TPH based on Multi Crop and depending upon the grading quality to be achieved.</p> <p>The Machine meant for removing impurities and achieving very high grading quality in any free-flowing granular material to remove the impurities and upgrade the material on the principle of specific weight.</p> <p>Compact &amp; sturdy steel channel frame with high quality wood rectangular deck mounted on dynamically balanced fans (3 Nos.) with individual adjustable air control, variable oscillation of deck with the help of variable frequency drive, lengthwise &amp; sidewise inclination of deck, regulated feeding, built in air filters.</p> <p><b><u>SPECIFICATIONS:</u></b></p> <p>* No.ofFans : Three</p> <p>* Type of Deck : Rectangular type with area not less than 1.0m<sup>2</sup>.</p> <p>Deck Size : 800x1600mm</p> <p>ElectricDrive : Two separate motors for fan and deck.Siemens/Crompton/Rotomotive/ Equivalent make 440 V, 3 Phase,50 HzAC supply.</p> <p><b><u>CONSTRUCTIONAL FEATURES:</u></b></p> <ul style="list-style-type: none"> <li>• Rectangular deck be made of high quality wood/aluminium, quickly and easily interchangeable type.</li> <li>• Fans should be dynamically balanced with individually adjustable air control for each fan and fans mounted on one common shaft with individual bearings..</li> <li>• Feeding Hopper with adjustable height &amp; variable feeding rate through controlled gate.</li> <li>• Variable oscillation speed of deck in widerange</li> <li>• Deck assembly is rested for smooth and trouble-free operation.</li> <li>• Variable inclination of deck sidewise and lengthwise in widerange.</li> <li>• Seed collecting spouts fitted with bag holding clamps.</li> <li>• Eccentrics are counter balanced giving smooth oscillation action to the deck.</li> <li>• Built in air filters can be easily removed for easy access to the moving parts.</li> <li>• The machine shall be pre-wired from electric motor to starter to a single connection for incoming power supply.</li> <li>• Suitable diversions to collect good seed and divert bad quality material for regrading.</li> </ul> <p>The unit shall be supplied complete in all respect including electric panel and one deck with wire mesh for separation of wheat, paddy etc.</p> | One |

|    |  |     |
|----|--|-----|
| 5. | <p><b>V. BUCKET ELEVATOR WITH Y SECTION WITH TWO WAY ELECTRIC OPERATED VALVE TO FEED EITHER BAGGING BIN OR SEED TREATER:</b></p> <p>Capacity: 2 TPH based on multi seed</p> <p>Matching capacity &amp; discharge height according to Bagging Bin. Other specifications shall be same as at Sr. No.1.</p> <p>It is to be installed inside the Pit</p>   | One |
| 6. | <p><b>BAGGING BIN:</b></p> <p>Capacity : 2 Ton</p> <p>2.00 mm G.I./MS Sheet for sides &amp; 2 .50 mm G.I. / MS Sheet for hopper bottom. M.S. pipe for supporting legs with 12 mm thick foundation plate, suitable M.S. Pipe bracing. Equipped with manually as well as electrically discharge gate of bin shall close automatically in the event of power failure but shall be reset manually when power comes back operated discharge gate, transparent sheet window for seeing the seed level in the hopper.</p> <p>1. Discharge Height of the Bin should be sufficient to install the portable type Seed Treater below the bottom of the bin as and when require.</p> <p>2. Suitable detachable arrangement should be provided with the Binfor packing of seed.</p>   | One |
| 7. | <p><b>SEED TREATER (SLURRY TYPE) PORTABLE TYPE:</b></p> <p>Capacity : 1 TPH based on multi crop seeds.</p> <p>Seed Treater (Slurry Type) suitable for mixing seeds with Chemical complete with all standard features including following.</p> <p><b><i>Parts coming in contact with the chemical are made of stainless steel 304.</i></b></p> <p><b><u>CONSTRUCTIONAL FEATURES:</u></b></p> <ul style="list-style-type: none"> <li>• All parts are carefully designed to prevent intermixing when changing from one seed to another.</li> <li>• Slurry Tank fitted with Mixing Arrangement.</li> <li>• Variable dosing arrangement to suit seed treatment for all kinds of seeds.</li> <li>• Regulated hopper is fitted with counter weighted tipping type seed dump pan for accurate dozing of seed.</li> <li>• Dozing of chemical is synchronized with the dozing of seeds from seed dumppan.</li> <li>• Very precise and uniform dosing of slurry needed for a given pre- determined weight of seed.</li> <li>• Blending/mixing chamber for uniform coverage of chemical on the seed.</li> <li>• The machine is pre-wired from electric motors to the starters to a single connection for incoming power supply.</li> <li>• The unit is supplied with electric motor of suitable horse power and all standard features.</li> <li>• The machine should be stable and mounted on wheel and will be used on need basis by putting below the Bagging Bin. Seed flow to Seed treated through V.B. Elevator, which is proposed to be installed after Sp. Gravity Sptr to flow seed to Bagging Bin.</li> </ul> | One |

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| 8.  | <b>HEAVY DUTY PORTABLE BAG CLOSING MACHINE:</b><br>Capacity : 300-350 Bags PerHour.<br>Single Thread, Chain Stitching, lightweight, hand held portable heavy-duty bag stitching machine suitable for stitching of Jute/Jute Canvas/HDPE/Non- woven /Cloth Bags fitted with oscillating type lopper, micro switch finger touch start, automatic thread cutting mechanism and complete with all standard features& Electric Motor /Motors.   | One No.  |
| 9.  | <b>WEIGHING SCALE (ELECTRONIC) :</b><br>Portable, Platform type reputed make with self-indicating electronic LED display weighing balance. Complete with all standard features.<br>Capacity : 0-10kg<br>Capacity : 0-100Kg   | One Each |
| 10. | <b>ELECTRIC CONTROL PANEL:</b><br>The panel shall be equipped with main on/off switch, change over switch to allow the machines to be powered either from the generator or main supply, voltmeter, ammeter, phase indicators, motor starters with protective relays and fuses, 2 Nos. 15 Amp sockets of 220V single phase are provided for ancillary equipment/lights etc.<br>All motors fitted with the machines shall be tropically rated totally enclosed fan cooled type and current protecting. Suitable for 415 V, 50 Hz, 3 Phase, AC Supply, pre-wiring of all machines, cables shall be standard make.<br>Component of the control panel shall be Schneider/ Siemens make. | One      |
| 11. | <b>Civil works &amp; Installation : -</b><br>All kind of civil works or installation related to seed processing in scope of supplier.  | one      |