

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA
JABALPUR 482004, M.P.**

E-Tender Document

(Corrigendum: (1) On page #5 & 13 in table of important dates row 4 read “Directorate of Farms, JNKVV, Jabalpur” in place of ‘Office of the Dean, College of Agriculture Jabalpur’; (2) On page #15 row #26 read EMD of Rs. 40,000/- in place of EMD of Rs. 4,00,000/)

Item No. 1

ITEM RATE TENDER

Tender No.: IPRO/DF/2018-19/106

Dated: 23.01.2019

Supply of Seed Grader for Flax Seed

Cost of Tender Document: Rs 1,000/-

EMD: Rs. 40,000/-



**DIRECTORATE OF FARMS
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA
JABALPUR - 482 004 (M.P.)**

DIRECTORATE OF FARMS
JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA
JABALPUR 482 004, M.P.

DETAILS OF MANUFACTURER/ BIDDER:

1.	Name & full address of the Manufacturer	:	
2.	a) Telephone No. b) Fax No. c) E-mail	: : :	
3.	Location of the manufacturing factory	:	
4.	Name & full address of the Bidder	:	
	a) Telephone/ Mobile No. b) Fax No. c) E-mail	: : :	
	PAN No.	:	
	GSTIN No.	:	



DIRECTORATE OF FARMS
Jawaharlal Nehru Krishi Vishwa Vidyalaya
Jabalpur 482004, M.P.

E-Tender Notice

E-tender invited for the supply of Seed Processor and its components. Documents are available on portal, <https://mptenders.gov.in/nicgep/app>. Purchase of on-line tender from 24.01.2019, 10:00 am to 13.02.2019 up to 6:00 pm. Last date of submission of on-line tender 14.02.2019, 6:00 pm. Last date of submission of Technical Bid to this Office is 20.02.2019, 4 pm. Opening of Technical Bid will be on 23.02.2019 at 3 pm.

IPRO/DF/2019/106.

Director Farms

Sl. No.	Name of the Item	FOR at (Installation Location)	Tender Document Cost (Rs.)	EMD (Rs.)
1.	SEED GRADER for Flax Seed	Jabalpur	1,000/-	40,000/-

The details of tender can also be viewed at www.jnkvv.org. Please read and follow the instructions carefully to avoid the rejection of the tender. You are also requested to send your representatives, duly authorized in writing, to attend the Technical Evaluation and clarification regarding bids.

Director Farms
JNKVV, Jabalpur

For any technical related queries please call at 24 x 7 Help Desk Number

0120-4001 002

0120-4200 462

0120-4001 005

0120-6277 787

International Bidders are requested to prefix 91 as country code

On-line tenders can be uploaded on

<https://mptenders.gov.in/nicgep/app>

Mail id: eproc_helpdesk@mpsdc.gov.in

Support timings: Monday to Saturday from 10:00 AM to 5:00 PM

MPSEDC Helpline Numbers: 08517936082, 07566660425, 08989685065

Any updation/ Modification/ further call, if required and any other changes in respect of above tender will only be available on

<https://mptenders.gov.in/nicgep/app>

www.jnkvv.org

Please visit www.jnkvv.org for regular updates and corrigendum as they will not be published in news paper

E-Mail Support

A) For any Issues or Clarifications relating to the published tenders, bidders are requested to contact the respective Tender Inviting Authority

Technical - support-eproc@nic.in

Policy Related - cppp-doe@nic.in

**JAWAHARLAL NEHRU KRISHI VISHWA VIDYALAYA
JABALPUR - 482 004 (M.P.)**

Tender No.: IPRO/DF/2018-19/....

Dated: 23.01.2019

E-TENDER DOCUMENT

Important Dates

Sl. No.	JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	24.01.2019	10:00 am	13.02.2019	6:00 pm	--
2.	---	Pre Bid Meeting	28.01.2019	3.00 pm	-	-	-
3.	--	Bid Submission – Online	--	--	14.02.2019	6:00 pm	--
4.	Mandatory Submission (Envelop A) to Directorate of Farms, JNKVV, Jabalpur	--	--	--	20.02.2019	4:30 pm	--
5	Technical Bid Open (Envelope-A)	--	--	--	23.02.2019	3:00 pm	A

Tender No.: IPRO/DF/2018-19/106

Dated: 23.01.2019

Procedure for On-line Submission of Tender Document

The Tender for the above works are invited online. The following procedure will be adopted for online opening of the price bids.

DEPOSITING THE BIDS:

The bids will be submitted through on-line mode of <https://mptenders.gov.in/nicgep/app>. However, certain documents would be required to be submitted physically to our office. Details are as follows:-

(A) On-line Submission on website <https://mptenders.gov.in/nicgep/app>:

STEP – I

Technical Bid / Mandatory Documents to be submitted on-line at <https://mptenders.gov.in/nicgep/app>

1. **Covering letter** of the participating firm.
2. **Certificate for acceptance** of terms and conditions of tender on firm's letterhead in original.
3. **Check list** properly filled-in (Annexure-I).
4. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable original only directly from manufacturer. **Third party authorization will not be accepted and offer rejected.**
5. **Detailed technical write-up in original** highlighting the model Name/Number, features of the equipment offered and / or Technical literature/manuals.
6. **Company profile** along with detailed printed literature in original of each item or sub item quoted in the tender.
7. **Compliance Certificate.** Certificate of clause by clause compliance of specifications as mentioned in tender.
8. Client list/ **List of users** - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed with contact numbers of users.
9. **Last 3 (three) years income tax return**
10. **Sales turnover** of last three years with supporting documents
11. **PAN No.** of the firm with supporting document
12. **GSTIN No.** of the firm with supporting document
13. **Firms/Business Registration** documents / Copy of valid Registration Certificate under State/Central/ Commercial Sales Act.
14. **Copy of EMD in prescribed form** (or exemption proof, if exempted).
15. **Receipt of Tender Document Cost in prescribed form**
16. Manufacturing firm valid ISO Certificate with period validity

17. Undertaking letter from firm for never being black listed by any Govt./Quasi Government firms in India and no case is pending at present against the firm. This should also be made clear in the tender as a preliminary undertaking.
18. Warranty certificate for required duration as given in tender document
19. Any other item(s) specified in above terms & conditions.

STEP – II

Financial Bid to be submitted on-line at <https://mptenders.gov.in/nicgep/app>

Commercial/ Price bid packet (on-line)

(B) Submission of Mandatory Documents at Office address:

STEP–III: Mandatory Document to be submitted by registered post/courier/personally at Office address at JNKVV, Jabalpur

The documents listed above in **STEP-I** (all fifteen original documents - sealed and signed on each page) to be submitted (hard copy) in the **Technical Bid Envelope – “A” (separate for each item)** at the address given below before last date as mentioned in bid as given below.

1. **Covering letter** of the participating firm.
2. **Certificate for acceptance** of terms and conditions of tender on firm’s letterhead in original.
3. **Check list** properly filled-in (Annexure-I).
4. Original equipment manufacturer (OEM) certificate or **authorized dealership/distributorship certificate** as applicable original only directly from manufacturer. **Third party authorization will not be accepted and offer rejected.**
5. **Detailed technical write-up in original** highlighting the model Name/Number, features of the equipment offered and / or Technical literature/manuals.
6. **Company profile** along with detailed printed literature in original of each item or sub item quoted in the tender.
7. **Compliance Certificate**. Certificate of clause by clause compliance of specifications as mentioned in tender.
8. Client list/ **List of users** - List of Institutes / Organizations where same minimum one such work has been executed. Copy of the work order & completion certificate duly signed by the competent authority of the institute be enclosed with contact numbers of users.
9. **Last 3 (three) years income tax return**
10. **Sales turnover** of last three years with supporting documents
11. **PAN No.** of the firm with supporting document
12. **GSTIN No.** of the firm with supporting document
13. **Firms/Business Registration** documents / Copy of valid Registration Certificate under State/Central/ Commercial Sales Act.
14. **Original EMD in prescribed form** (or exemption proof, if exempted).
15. **Receipt of Tender Document Cost in prescribed form**
16. Manufacturing firm valid ISO Certificate with period of validity.

17. Undertaking letter from firm for never being black listed by any Govt./Quasi Government firms in India and no case is pending at present against the firm. This should also be made clear in the tender as a preliminary undertaking.
18. Warranty certificate for required duration as given in tender document
19. Any other item(s) specified in above terms & conditions.

Technical Bid envelope-A of all items separately will be opened before a committee constituted for the purpose. After verification, scrutiny and due recommendation of the committee, the financial bid of the eligible tenderer who have offered their rates in the price bid shall be opened on-line.

Physical submission of documents to following address:

Director, Directorate of Farms
(Attention: Administrative Officer Farms)
Jawaharlal Nehru Krishi Vishwa Vidyalaya,
Krishi Nagar, Adhartal, Jabalpur 482004, M.P., India
Phone (Fax): 0761-2681021
E-mail: seeds.jnkvv@gmail.com

NOTE:

- (i) *Tenderers are requested not to submit financial bid in any envelop. The price bid will be opened only after due satisfaction of technical bid on-line.*
- (ii) *Tax extra if any must be shown separately in the specified column of financial bid.*

General Terms and Conditions:

1. Only the manufactures and their authorized distributors or dealers or agents need to submit their tender. The authorized dealers should furnish a certificate from the manufacturer for their dealership. Third party authorization will not be accepted.
2. No person or firm shall submit more than one Tender for the same item. No offer should have more than one model quoted; in case of more than one alternate offer only the first option will be considered.
3. It is mandatory to provide all the relevant information in **Annexure I**.
4. Broad-based specifications of equipment/ items/ systems/ works etc. are given in **Annexure II**. The tenderer should also take note of the remarks, if any, given there in.
5. a. Tender can be **purchased on-line** from <https://mptenders.gov.in/nicgep/app> – Start Date: **24.01.2019, 10:00 am to 13.02.2019, 6:00 pm.**
 - b. Bid can be **submitted on-line** on <https://mptenders.gov.in/nicgep/app> up to **14.02.2019, 6:00 pm.**
 - c. **Mandatory Submission (Envelope A)** containing all original documents as required for technical bid including original EMD must be submitted in sealed cover to the **Directorate of Farms (Attention: AOF), JNKVV, Adhartal, Jabalpur 482004** so as to reach on or before dated **20.02.2019, 4:30 pm.**
 - d. Belated tender due to postal or any other delay will be rejected.
 - e. **Technical Bids [Mandatory Submission (Envelope A)]** will be opened on **23.02.2019, 3:00 pm.** in the office of undersigned in presence of authorized representative of tenderer.
 - f. The tender for each item should be sent separately. The duly sealed envelope should super scribed **TENDER FOR THE ITEM NO.1 (SEED GRADER FOR FLAX SEED) DUE ON 20.02.2019.**
 - g. If offers for more than one item are clubbed together, tender will be rejected.
 - h. The tender offers should have a validity of 6 months from date of opening.
 - i. J. N. Krishi Vishwa Vidyalaya reserves the right to extend the opening date of tender.
 - j. All the leaflets in the offer should be original marked with signature and seal of authorized person.
6. The bidder/manufacturer should have manufactured, tested and supplied equipment in India, the equipment similar to the type specified. Bids of bidders quoting as authorized representative of a manufacturer, meeting with the above requirements in full, can also be considered, provided.
 - a. The manufacturer furnishes a legally enforceable valid authorization in manufacturer's letter head in the prescribed form, assuming full warranty obligations for the goods offered.
 - b. The bidder, as authorized representative, has supplied, installed and satisfactorily commissioned and provided after sales service for equipment in India during the last 05 years.
7. a. The rates quoted should be for single complete unit with F.O.R. delivery at JNKVV, Jabalpur. The rates quoted should be inclusive of packing and forwarding charges/ loading/ unloading/ handling charges/ freight/ full risk coverage insurance, etc. In case of

imported goods all the expenses towards custom duty, clearing charges and transportation with insurance will be borne by the firm/ tenderer and they must quote the rates F.O.R, JNKVV, Jabalpur and its constituent units. **The rate should be quoted in INR only.**

- b. Custom duty (with and without exemption certificate) and other levies, if any should be shown separately and the total price of each item should be worked out incorporating the same.
 - c. Other charges, if any, should be shown separately for each item and sub-item.
8. The tender should be accompanied by detailed printed technical literature with specifications, make and model number of each item and sub-item quoted in the tender. Specifications given in the offer must match to the website and/or authentic printed technical literature or better otherwise the offers shall be rejected.
 9. All losses during transport will have to be borne by the tenderers.
 10. The bidder must provide **One-years warranty** of the equipment from manufacturer along with guarantee / warranty on manufacturer's letter head for satisfactory functioning of the equipment/ system and free service, replacement of parts and supply of consumables during warranty period from the date of successful and satisfactory installation of the equipment/ system.
 11. It is mandatory to quote the latest and improved model of said instrument for pesticide residue analysis. Quote should not be for refurbished instrument. Bidder must have installed five similar types of units. Bidder must also furnish the purchase details of the said equipment.
 12. Bidder shall have to demonstrate sensitivity parameter and other features claimed at our centre with real sample. The extract of the sample can be obtained from this laboratory on publication of the tender. Along with that bidder needs to submit the performance data for the quoted model in support of specifications with the offer. The data may be generated by vendor's laboratory in India or abroad.
 13. Minimum three-visit of service engineer is required per annum or as and when necessary. No expenditure (either for repairs and replacement of consumable and/or non-consumable parts and/or custom clearance) will be borne by us during warranty period, however required documents will be provided. All the supplied items should be covered under warranty period. Break down period should not exceed more than 10 days in any case.
 14. All the consumable and non-consumable should be made available up to **seven (07) years** after warranty period.
 15. The Supplier shall warrant that the Goods supplied under this Contract are new, unused or the most recent, advance upgraded models and those they incorporate all recent improvements in design and materials. The Supplier shall further warrant that all Goods supplied under this Contract shall have no defect, arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in conditions prevailing in the country of consignee destination. The Purchaser/ consignee shall promptly notify the Supplier in writing of any claims arising under this warranty. "Upon receipt of such notice, the Supplier shall within 10 days repair or replace the defective goods or parts thereof, free of cost at the ultimate destination. The Supplier shall take over the replaced parts/ goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/ goods thereafter.
 16. **Training:** Minimum one on-site and one off-site application training (to three persons) after

successful installation as and when required during first year have to be imparted by the company.

17. On approval of the tender, 5% of the ordered value as security deposit should be deposited in terms of Demand Draft from any nationalized bank/scheduled bank valid for the warranty period of 1 years payable to “**Director Farms, JNKVV, Jabalpur**”. Security deposit will be returned after successful completion of the warranty.
18. In case of disputes arises it will be resolved through process of arbitration. The Vice Chancellor, JNKVV, Jabalpur or his authorized representative shall be the sole arbitrator whose decision in the matter shall be final and binding on all parties.
19. Supplier should provide the list of items which are covered under consumables. The items not listed in the consumables would be considered as spare parts for the purpose of warranty obligation including replacement/ repairs.
20. On approval of the tender supplier should make a notarized agreement on the Rs 1000 stamp paper that aforesaid "Terms and Conditions" are agreeable to them. This should be signed and stamped in the presence of two witness and purchaser.
21. Latest and upgraded version of licensed software developed during warranty period should be provided.
22. **Tender Document Cost:** The details of tender document can be downloaded from website (<https://mptenders.gov.in/nicgep/app>) and tender document cost should only be submitted on-line on the portal.
23. **EMD:** The “**Technical Bid**” of each item must be accompanied by **Earnest Money Deposit (EMD) as shown against each item in Annexure-II in the form of Crossed Bank Draft/ Pay Order/ Banker’s/ Manager’s Cheque of any Nationalized Bank/ Scheduled Bank made in favour of “Director Farms, JNKVV, Jabalpur”**. Without the earnest money in the above form, the offers will be rejected. The EMD in the form of **Firm’s Cheque will not be accepted and the offer will be rejected**.
24. **Payment Terms:**
 - a. The standard terms and conditions of payment are 100% through LC against delivery, successful installation, demonstration and training to the satisfaction of JNKVV authorities.
 - b. GST as applicable and HS code should be mentioned in tender.
25. Please quote maximum discounted price, as no further negotiations will be made.
26. Complimentary items offered will not be taken into account for calculating the cost of the item.
27. The tenderer must mention upgraded latest model and company must enclose printed literature/ catalogue/ manufacturer’s web-site showing detailed technical specifications required. A folder showing many instruments without detailed technical specification, or tailor made literature mentioning “yes” or “as per your specifications” for the specifications asked for, will not be considered. Specifications given in the offer must match to the website and/or printed technical literature otherwise the offer shall be rejected.
28. Firm must provide a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance, supported by technical literature with clear reference. This statement must be signed, by the Tenderer with the company seal for its authenticity and acceptance that any incorrect or ambiguous information found will result in disqualification

of the offer.

29. Any deviation, variation or non-compliance of the terms and conditions by the tenderer shall be considered as a breach of contract and JNKVV reserves the right to forfeit the amount of earnest money and/or security deposit in part or in full and take action as per legal arrangement.
30. **Manufacturer of this item must have at least Rs 500 lakh turnover per year for the last 3 years only with the Seed processing related items.** Documents in this regard will be furnished by the bidder otherwise offer will not be considered.
31. The supplier shall also undertake that the firm never being black listed by any Govt. / Quasi Government firm in India. This should also be made clear in the tender as a preliminary undertaking. The affidavit should be duly notarized on Rs. 100/- non judicial stamp.
32. Tender will not be considered if the firm does not provide a copy of the GSTIN & PAN allotted to it. PAN of the individuals will not be accepted.
33. J. N. Krishi Vishwa Vidyalaya reserves the right to accept or reject any or all offers in full or in part without assigning any reason (s) thereof. It also reserves the right to place order wholly or in part with one or more than one firm as they may be convenient to JNKVV and availability of fund.

**Director Farms
JNKVV, Jabalpur**

Tender No.: IPRO/DF/2018-19/106

Dated: 23.01.2019

KEY DATES

Sl. No.	JNKVV, Jabalpur	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.	--	Purchase of Tender – Online	24.01.2019	10:00 am	13.02.2019	6:00 pm	--
2.	---	Pre Bid Meeting	28.01.2019	3.00 pm	-	-	-
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5	Technical Bid Open (Envelope-A)	--	--	--	23.02.2019	3:00 pm	A

DIRECTORATE OF FARMS, JNKVV, JABALPUR

Tender No.: IPRO/DF/2018-19/106

Dated: 23.01.2019

SUPPLEMENT / CHECK-LIST TO BE PROVIDED WITH TECHNICAL BID

ITEM No. _____ NAME _____

Sl. No.	Information required	Yes/No	Page No. in the Tender
1.	Dully filled Tender Form along with the Technical Compliance statement (All the pages should be signed & initialed)		
2.	Crossed DD for Tender fee of 1,000/- (Rupees one thousand only)		
3.	Make of main item		
4.	Model of main item		
5.	Name of manufacturer of Main Item		
6.	Country of origin of main item		
7.	Make and model of sub item I (if any)		
8.	Make and model of sub-item II (if any)		
9.	Make and model of sub-item III (if any)		
10.	Delivery within (days)		
11.	Payment terms		
12.	Order to be placed on		
13.	Guarantee/ Warranty		
14.	Installation Charges (if any)		
15.	Validity (6 months)		
16.	Delivery charges (if any)		
17.	Insurance charges (if any)		
18.	Training charges (if any)		
19.	FOR: JNKVV, Jabalpur		
20.	List of current users in Madhya Pradesh/ India with contact details (Attach, if any)		
21.	Certification of satisfactory working of the equipment (Attach, if any)		
22.	Company Certification (ISO, etc.)		

23.	Compliance of equipment with current directives of ISI / CE / EEC / US / EU or equivalent standards		
24.	Whether manufacturer / authorized distributor /dealer/ agent? (Attach certificate)		
25.	Technical literature/ brochure of the system quoted in original (Attach, if any)		
26.	Earnest money deposit (EMD) of Rs. 40,000/- (Rupees four lakh only) attached with financial bid (DD No., Bankers name, date etc.)		
27.	Situations of Authorized service centres/ service personals etc.		
28.	List of items which are covered under consumables		
29.	Performance data of real sample		
30.	Relevant documents such as ITCC, ST registration shop Act. establishment certificate, factory registration etc. (Enlist)		
31.	GST and PAN allotted (Attach a copy)		
32.	Last 3 years IT Return		
33.	Last 3 years Sales Turnover		
34.	Certificate for not being black listed by any organization		
35.	Any other relevant information		

DECLARATION

The terms and conditions as mentioned in the tender are acceptable to us.

Signature of Tenderer

DIRECTORATE OF FARMS, JNKVV, JABALPUR

Tender No.: IPRO/DF/2018-19/106

Dated: 23.01.2019

Item and Specifications

Item No. 1: SEED GRADER for Flax Seed

CAPACITY: 400-500 Kg/hr

Vertical Bucket (VB) ELEVATOR (SPS) CAP. 2 TPH, 3.5 Metric Discharge Height (MDH) 1 No. to feed Seed Grader

All sheet metal components shall be manufactured on CNC machine.

Head casing, boot casing and leg casing made of 2.0 mm, 2.0 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 315/3 (3 ply), buckets shall be PU/Nylon/HDPE, 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 rubberized and crowned for improved traction. Sprocket shall be TLB type for easy and quick fitting. Belt speed shall not exceed 1 m/sec.

Complete with 1 HP geared motor, starter, switch and other standard features.

SEED GRADER (1 No.)

Throughput Capacity: 1 ton/hr. based on wheat

Machine is suitable for efficient cleaning and grading of seeds like wheat, maize, barley, pulses, coffee seeds, oil seeds, vegetable seeds, etc.

No. of Screens: Three (flat, oscillating Type); No. of Scalping: Two; No. of Grading: One; Size of Screens Approx. (Sq cm): Top 360, Middle 600, Bottom 600; Screen Inclination: Fixed; Screen perforation cleaning device: Top, Middle & Bottom: Rubber Balls; Total screen area: 1.5 square meters; No. of aspirations: Two; Electric Drive for Fan: 1 HP and for Sieve Deck + Feed Roller: 0.5 HP of Branded company/ISI mark; Starter of and switch of branded company ISI mark for operation on 220 V, Single Phase AC.

Complete with electric motors, built-in dust collector, 01 set of screens and other standard features.

ADDITIONAL SCREEN SET (1 No.): 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;

With DUCTING (2 No.) 1 meter long both ends flanged. With DUST COLLECTOR.

Vertical Bucket ELEVATOR (SPS) (1 No.): CAPACITY 2 TPH; ~3m Metric Discharge Height (MDH) to feed grader.

All sheet metal components shall be manufactured on CNC machine.

Head casing, boot casing and leg casing made of 2.0 mm, 2.0 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 315/3 (3 ply), buckets shall be PU/Nylon/HDPE, 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.

SEED GRAVITY SEPARATOR (1 No.)

Capacity: 1.5 to 2 Tons/hr based on wheat and depending upon the grading quality to be achieved.

Compact and sturdy steel channel frame with high Head pulley shall be rubberized and crowned for improved traction. Sprocket shall be TLB type for easy and quick fitting. Belt speed shall not exceed 1 m/sec.

Complete with 1 HP geared motor, starter, switch of Branded company/ISI mark and other standard features.

V.B. ELEVATOR (SPS) CAPACITY 2 TPH, 6 MDH (1 No) to feed Bagging Bin

All sheet metal components shall be manufactured on CNC machine.

Head casing, boot casing and leg casing made of 2.0 mm, 2.0 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 315/3 (3 ply), buckets shall be PU/Nylon/HDPE, 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 rubberized and crowned for improved traction. Sprocket shall be TLB type for easy and quick fitting. Belt speed shall not exceed 1 m/sec.

Complete with 1 HP geared motor, starter, switch of branded company/ISI mark and other standard features.

BAGGING BIN (1 No.) Capacity: 1 Ton

The sides and 55 degree hopped bottom are made of 1.6 mm and 2 mm thick G I Sheet respectively; M.S. Pipe for supporting legs with 10 mm thick foundation plate, suitable MS Pipe bracing. Equipped with manually operated discharge gate, transparent sheet window for seeing the seed level in the bin.

AUTOMATIC WEIGHER & BAGGER (1 No.) Weighing Range: 5 Kg to 50 Kg

Net Weighing and Bagging Machine for materials like cereals, grains, seeds etc. in open mouth or valve type bags. Weighing uses simple load cell suspension technique assuring accuracy, consistency and trouble free operation.

No. of bags/min: 2; Property of material: Free flowing; Accuracy: $\pm 0.2\%$; Digital display: LED; Hermetically sealed load cells; load cells 3 Nos.; Auto/Manual Mode Facility; PLC based Electric control panel with ~5K 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, weighed hopper with pneumatic discharge.

Installation: Auto weighing and bagging machine shall be mounted below storage silo (Bagging Bin); Weigh hopper is mounted on load cell; PLC programmable for required value with coarse and fine feeding, batch number, tolerance etc. On run command, system starts 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 continue to work in this sequence. Air compressor should be provided for opening of sector gate and also for pneumatic clamping of bags.

Air Compressor: Motor: 2 HP; No. of cylinders: Two; Capacity of air tank: 100 liter; Air Pressure: 12 kg/square m; complete with base frame with castors, 10m air hose, air nozzle, T, motor, starter and switch.

BAG STITCHING MACHINE (1 No.)

Capacity: 300-350 Bags Per Hour; Single thread, Chain Stitching, oscillating looper with automatic lubricating system; micro switch finger touch start; automatic thread cutting mechanism; Complete with electric motor of 1/10 HP, 13 ft. long flexible wire, 2 No needles, 1 No. looper, 4 No. Allen Keys, 1 No. Spanner, Oil Can, Screw Driver, thread Stand and thread cone.

OTHER: Complete with transportation to JNKVV Centre in Sagar, MP, installation, demonstration, training; 1 year onsite guarantee.

Price-bid

(To be submitted on-line
only)

Sl	Item	Quantity	Basic Cost (Rs.)	Taxes (Rs.)	Any other Charges	Total Cost (Rs.)
			1	3	4	(1+3+4)
1.	Seed Grader For Flax Seed Vb Elevator (1 No.) Seed Grader (1 No.) Additional Screen Set (1 No.) Dust Collector (1 No.) Seed Gravity Separator (1 No.) V.B. Elevator (1 No.) Bagging Bin (1 No.) Automatic Weigher & Bagger (1 No.) Bag Stitching Machine (1 No.)	01 unit				
GRAND TOTAL						