



पूर्णियाँ सीमेन स्टेशन

Purnea Semen Station

(A unit of Bihar Livestock Development Agency)

REQUEST FOR PROPOSAL FOR INVITATION OF PRICE BID

PSS: RFQ: 106/24-25

Date: 16/07/2024

**TO,
Various Vendors.**

**Subject: INVITATION OF PRICE BID FOR SUPPLY OF SEED GRADER MACHINE
AT SEMEN STATION, PURNEA.**

Dear Sir,
Purnea Semen Station, Purnea, Bihar invites the price bid for supply of Agriculture implement as per following terms and conditions:

SL NO.	ITEM	QTY.	DELIVERY PERIOD	AFTER-SALES SERVICE REQUIREMENT	INSTALLATION/ COMMISSION & TRAINING REQUIREMENT	DELIVERY
1	SEED GRADER MACHINE (Capacity 2TPH)	1	Within 30 Days.	Yes	Yes	PURNEA SEMEN STATION, NATIONAL HIGHWAY 31, MARANGA, PURNEA, BIHAR-854301

TERM & CONDITIONS:

1. BID PRICE

- The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
- The price bid shall be submitted in the format enclosed at **Annexure-I**.
- The rates quoted by the bidder shall be fixed and shall not be subject to adjustment on any account.
- The prices shall be quoted in Indian Rupees only.
- No price negotiation will be done with any bidder. The purchase order will be issued to the lowest responsive bidder (L1).

2. MINIMUM ELIGIBILITY CRITERIA:

- Manufacturer should have at least 15 years of experience for supply Installation, Commissioning on turnkey basis of similar equipment.
- Manufacturer should have minimum turnover of 20 Crore in last consecutive three years along with CA certificate 2020-2021, 2021-22, 2022-2023.
- CE certified product is preferable and firm should have ISO-9001: 2015, ISO 14001:2015 and OHSAS 45001:2018 certification.
- The firm must have CNC Facilities such as punching, Bending, Rolling etc. They should provide the authentic proof of having the same in technical Bid.
- Bidder should enclose the CE certificate.
- Technical team shall prefer the visit at site of manufacturer before the analysis of financial bid.
- An applicant should have experience of supply & commissioning of minimum 15 units of Similar/enhanced capacity seed processing plants/machinery in the last 3 financial years in Govt Organizations/Institutions. (Purchase Orders & Performance Reports should be attached).
- Attach copy of Udyog Aadhaar Registration Certificate.

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- i) Attach Latest GST Registration & Clearance Certificate.
 - j) Attach Pan Card & Latest Income Tax Returns for the last 3 years.
 - k) Attach Certificate of Incorporation.
 - l) Attach Factory License.
 - m) Attach Pollution Prevention & Control Certificate from Pollution Control Board.
 - n) Machines having commercial test report shall be preferred.
3. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.
4. **VALIDITY OF QUOTATION**
Quotation shall remain valid for a period not less than 30 days after the deadline date specified for submission.
6. **Price Schedule (Financial Bid):** As per **Annexure-I (Pg. No.03).**
Specifications (Technical Bid): As per **Annexure II (Pg. No.04).**
7. **EVALUATION OF QUOTATION**
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
- are properly signed; and
 - Conform to the terms and conditions, and specifications.
- GST, Packing, Forwarding, Freight & Insurance & RTO charges in connection with sale of goods shall be considered in evaluation.**
9. **AWARD OF CONTRACT**
The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 9.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 9.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.
10. **TERMS OF PAYMENT: 80%** payment shall be made within 30 days after delivery/ acceptance of the goods and the balance **20%** payments shall be released within 30 days after installation, testing & commissioning of the item.
11. L1 bidder has to deposit amount, equivalent to 10% of total invoice amount as security deposit before issuing the purchase order or submit a demand draft from nationalized bank of equivalent amount in favour of "Purnea Semen Station" which shall be released after one year from the date of receiving/acceptance.
12. You are requested to send your offer on or before 25/07/2024 till 3:00 pm to **PURNEA SEMEN STATION, National Highway 31, Maranga, Purnea, Bihar-854301** in a sealed envelope inscribing "**OFFER FOR SUPPLY OF SEED GRADER MACHINE AT PURNEA SEMEN STATION, BIHAR**".

We look forward to receiving your quotations and thank you for your interest in this project.

Thanking You,

Your Sincerely,

General Manager.
Purnea Semen Station



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Purnea Semen Station

(A unit of Bihar Livestock Development Agency)

ANNEXURE I (FINANCIAL BID)

SI No	2 Item	3 Qty.	4 Unit prices					5 Total unit price [a+b+c+d+e]	6 Total price per item for evaluation purpose [3 x 5]	7 Name of manufacturer (if items are not manufactured by self)	8 Remarks
			[a] EXW (Ex-factory Ex-warehouse Ex-showroom Off the shelf price	[b] Inland transp., insurance, & other local costs incidental to delivery	[c] After-sales service	[d] Training	[e] Taxes/Duties				
1	SEED GRADER MACHINE (Capacity 2TPH)	1									

Note: In case of discrepancy between unit price and total price, the unit price shall prevail.

Total bid price in Rs. (In words): _____

Signature of Bidder: _____

Name: _____

Business address: _____

Place: _____

Date: _____



ISO 9001:2015
BUREAU VERITAS
Certification

पूरुणियाँ सीमेन स्टेशन, राष्ट्रीय राजमार्ग 31, मरंगा,
Purnea Semen Station, National Highway 31, Maranga
Website- www.sspurnea.com, E-mail- gm@sspn.com

ANNEXURE II (TECHNICAL BID) (Pg. 4 to 6)

MINIMUM REQUIRED SPECIFICATION OF SEED GRADER MACHINE (2TPH)

S. No.	TECHNICAL SPECIFICATION	QTY.
01.	<p>SEED GRADER Machine is suitable for efficient Cleaning and grading of seeds of all crops such as Fodder crop seeds (Like: - Maize, Oats, Chinese Cabbage, Bajra, Sorghum, etc.) Wheat, Paddy, Maize, Millets, Sunflower, Soybean, Barley, Oil Seeds, Vegetable Seeds, Coffee Seeds, Flower seeds, pulses & various spices etc.</p> <p>SPECIFICATIONS:</p> <ul style="list-style-type: none"> • No. of Screens: Two (flat, oscillating type) or above • No. of Scalping: One or above • No. of Grading: One or above • Total Screening Area Not less then: 1.34 M² • Screen Inclination: Fixed Screen perforation cleaning device • Top Screen: Beaters • Bottom Screen: Nylon Brushes Oscillating speed of • Screen deck: Fix • No. of aspirations: Two or above • Power Consumption not more then: 3 KW • Electric Drive: TEFC, Tropicalized electric motor of 4 HP or above of Kirloskar / Siemens/ Crompton/ Roto motive/ Equivalent make starter of Siemens /Crompton or Equivalent make and switch for operation on 440V, 3Ph., 50 c/s., A.C. Supply. • Feeding level: 900 mm or above. Elevator is not required. • O.A. Size: 2865 x 1170 x 2110 mm (L x W x H). or above <p>CONSTRUCTIONAL FEATURES:</p> <ul style="list-style-type: none"> • All steel construction with frame of steel channel in one section bolted structure. • Feeding hopper is provided with a feed control gate to regulate the feeding rate & metallic/rubberized feed roller for uniform and continuous feeding. • Two beaters on top screen and moving nylon brushes under bottom screen are provided to check the clogging of the perforations of screens. Nylon brushes are mounted on steel frame travelling on four rollers fitted with ball bearings. • Aspirator Fan is dynamically balanced. • Air aspirations are provided with stepless variable air control arrangement for removal of lighter impurities like dust, chaff, husk, diseased grains, small weed seed etc. • Air chamber is self-cleaning type. • Both top & bottom screens are made of 0.8 mm CRC perforated sheet and suitably inclined. The screens are free from curvature and burrs. • Spouts delivering the rejects are located on the left side of the machine while viewing from final seed end. • Clean seed discharge spout is in the center of the machine with 2-way discharge. • Sieve Deck assembly is self-cleaning type to avoid admixtures during cleaning. • All spouts are fitted with bag holding clamps at bagging height and are self-cleaning type. • All moving parts are covered with safety guard. • All shafts are made of EN8 material and are mounted on pillow/flange type self-aligned ball bearings with built-in casing. • The machine is pre-wired from electric motor to the starter to a single connection for the incoming power supply/electrical panel. <p>The unit is supplied complete in all respect including electric motor, starter, switch, 01 set of screens (for any particular crop seed) and other standard features.</p>	1 No.
02.	<p>SUB-ASSEMBLIES AND PARTS:</p>	

02.1	ADDITIONAL SCREEN SET 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.	1 Set	
02.2	CYCLONE DUST COLLECTOR The expansion chamber, lower cone and side trunk etc. are made out of 16-gauge M.S. Sheet. It is provided with folding type of triangular stand made out of 25x25x6 mm and 50x50x6 mm angle iron along with canopy for outside installation.	1 No.	
02.3	AIR TRUNK To convey air, trash and dust in the cyclone. 1 Meter long and both ends flanged. Flanges are made from 5 mm M.S. Plate.	4 Nos.	
03.	<u>V.B. ELEVATOR WITH ONE WAY DISCHARGE VALVE & SUITABLE HEIGHT TO FEED GRAVITY SEPARATOR</u> All sheet metal components shall be manufactured on CNC machine. Self-supporting, centrifugal discharge Vertical Bucket Elevators shall have following standard features. <ul style="list-style-type: none"> • DUMP HOPPER: It shall be made of 2 mm thick M.S. Sheet and M.S. grating on up leg shall be provided to remove chaff, strings, stones etc. • V-BOTTOM BOOT ASSEMBLY: It shall be self-cleaning type. The casing of the boot shall be of GI. Sheet metal of 3 mm thickness, the pulley shall be mounted on a heavy-duty shaft on self-aligned ball bearings. Belt tightener shall be provided with the help of sheet metal guides 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. Extra tray shall be provided for cleaning the material after usage/when commodity not to be changed. • MIDDLE SECTION LEGS: Single Section, Construction type leg. Each section of leg shall be made of 1.6 mm thick GI sheet. It shall be provided with GI 3mm punched angles at both ends. Belt inspection door shall be provided at suitable height. • HEAD CASING: It shall be made of 2.0 mm thick GI sheet metal suitably stiffened with CNC punched angle. Detachable split cover with rubber inside shall be provided for accessibility to head pulley. Head pulley shall be rubberized 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. Adjustable throat plate shall be provided to minimize the seed back fall. • LADDER AND PLATFORM: 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 G.I. Sheet. Ladder shall be made of M.S. duly painted. • BELT AND BELT SPEED: NN 315/3 (3 ply) belt shall be used for fastening of buckets (cups). The belt speed shall not exceed 1.2 m/sec. • BUCKETS: Buckets of self-cleaning type, PU/Nylon/HDPE. These buckets shall be fastened with cup-bolt and washers with belt. Spacers shall be provided between buckets and belt to prevent damage to the seeds. • DISCHARGE PIPE: Suitable dia discharge pipe made of 2 mm M.S. Sheet/Pipe with both ends flanged shall be used for discharging the grains/seeds. <p>Complete with 1 HP geared motor of Rotomotive/ Bonfiglioli/ Siemens/Equivalent make for operation on 440 V, 3 phase, 50 cycles, A.C. Supply.</p>	1 Nos.	

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04.	<p><u>SEED GRAVITY SEPARATOR</u></p> <p>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.</p> <p>Compact & sturdy steel channel frame with high quality wood rectangular deck mounted on metalon bushings dynamically balanced fans (3 Nos.) with individual adjustable air control, variable oscillation of deck with the help of variable frequency drive, lengthwise & sidewise inclination of deck, regulated feeding, built in air filters.</p> <p>SPECIFICATIONS:</p> <ul style="list-style-type: none"> • No. of fans: Three or above • Size of Deck (mm.): 800 x 1590 mm (W x L) or above • Type of Deck: Rectangular type. <p>ELECTRIC DRIVE:</p> <ul style="list-style-type: none"> • For Fan: 4 HP or above • Overall size: 2450 x 1400 x 2000 mm approx. (L x W x H) (w/o feed hopper). Or above • For Deck: 1 HP or above <p>Tropicalized TEFC electric motor of Kirloskar/ Crompton/ Siemens/ Rotomotive/ ABB/ Equivalent Starter of L&T/Siemens and switch, 440 V, 3 Phase, 50 Hz AC. Supply.</p> <p>CONSTRUCTION FEATURES:</p> <ul style="list-style-type: none"> • Rectangular deck is made of high-quality wood/aluminum, quickly and easily interchangeable type. Deck removal is easy for cleaning purpose. • Fans are dynamically balanced. with individually adjustable metered air control for each fan for precise control of air flow. • All the fans are mounted on one common shaft with individual bearings. • Quantity of air from each fan is adjusted independently and is monitored with screw type metering device for precise accuracy. • Feeding Hopper with adjustable height & variable feeding rate through controlled gate. • Variable oscillation speed of deck in wide range. • Deck assembly is rested on four specially designed levers with Teflon bushings for smooth and trouble-free operation. • Variable inclination of deck sidewise and lengthwise in wide range. • Seed Collecting spouts are fitted with bag holding clamps. • Eccentrics are counter balanced giving smooth oscillation action to the deck. • Built in air filters can be easily removed for easy access to the moving parts. • The machine shall be pre-wired from electric motor to starter to a single connection for incoming power supply. • The deck is fitted with hydraulic/pressure cylinders for easy opening thereby facilitating routine cleaning and checkup for better efficiency and easy maintenance. <p>The unit shall be supplied complete in all respect including electric motor, starter, switch and one deck with wire mesh for separation of large size seeds like wheat, maize, peas etc.</p>	1 No.	
05.	SUB-ASSEMBLIES AND PARTS		
05.1	FEED HOPPER 200 KG OR ABOVE	1 No.	
05.2	ADDITIONAL DECK ASSEMBLY FOR COARSE/FINE SEED.	1 No.	
05.3	CYCLONE DUST CANOPY SYSTEM – with dust collection arrangement with integral fan, electric motor, starter and switch.	1 No.	
05.4	M.S. FOUNDATION FRAME	1 No.	

END OF LIST