



# Sasya Shyamala Krishi Vigyan Kendra

## Ramakrishna Mission Vivekananda University

(Off-campus- Centre at Ramakrishna Mission Ashrama, Narendrapur)

At Arapanch, P.O.-Sonarpur, Dist.-South 24 Pgs, Kolkata-700150

Email ID: rkmvu.kvknarendrapur@gmail.com



Dr. N.C. Sahu

Senior Scientist & Head

Ref. RKMVU / SSKVK / Seed Hub - 218 /2016 -'17

Date: 3 February, 2017

### Notification

#### Sub: Seeking Quotations for supplying / installation of Seed Processing Unit.

Interested firms are requested to submit sealed quotations for supplying / installation of different equipments and accessories of Seed Processing Unit as per specifications mentioned below -

Sl.no.	Particulars	Quantity
1.	<b>Seed grader - Cap. 2 TPH</b> based on wheat. The machine should be equipped with own pneumatic feeding arrangement. All side covered for safety. The seed grader with total screen area should be at least 4.2 sq.mt. Total power consumption should not exceed 5HP.	1
2.	<b>DUMP HOPPER SIZE 2 MTR X 1 MTR WITH AUTO SLIDE GATE</b> - Self cleaning type to be installed beneath floor in a concrete water proof pit, Made of M.S. Sheet painted to resist corrosion, auto slide gate.	1
3.	<b>V.B. ELEVATOR (SPS) CAP. 3 TPH, 6 MDH to feed Seed Cleaner</b> - All sheet metal components, Head casing, boot casing and leg casing made of 2.0 mm, 3.0 mm and 1.6 mm GI. Sheet respectively, Spouting made of 2 mm M.S. Sheet, NN rubber belt, complete with 1 HP geared motor, starter, switch and other standard feaures.	1
4.	<b>SEED PRE-CLEANER</b> - Capacity : 2-3 Tons/hr. based on wheat at 12% bmoisture content and 20% impurities, made of steel, designed for efficient cleaning of various crop seeds, such as wheat, paddy, pearl millet, maize, sunflower,soybean, gram, pulses, vegetable seeds, oilseeds, fodder crop seeds etc. , 3 HP motor for blower and 1 HP motor for screen deck 440 V, Siemens/ Crompton/ Rotomotive/ equivalent, Screen size Top 90 x 100 cms., Middle & Bottom : 90 x 128 cms. WxL, regulated feed hopper with feed roller, dynamically balanced fan, air chamber screen deck and spouts self cleaning type, built in cyclone dust collector. O.A. size : 225 x 180 x 235 cms. (LxWxH). Complete with electric motors, starter, switch, built in cyclone dust collector.	1
5.	<b>V.B. ELEVATOR (SPS) CAP. 2-3 TPH, 3 MDH TO FEED SEPARATOR</b> - All sheet metal components 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 made of 2 mm M.S. Sheet, 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. Belt tensioning with bakelite slide. 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 feaures.	1



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6.	<b>SEED GRAVITY SEPARATOR</b> Capacity : 2 Tons/hr. based on wheat, Suitable for all types of grains, seeds etc., Compact and sturdy steel channel frame with high quality wooden/ steel rectangular deck mounted on teflon bushings, deck size 800 x1590 mm (WxL), dynamically balanced fans with individual adjustable air control, variable oscillation speed of deck with the help of variable frequency drive, variable lengthwise & sidewise inclination of deck, hydraulic system for cleaning of deck, regulated feeding, built in air filters.	1
7.	<b>V.B. ELEVATOR (SPS) CAP. 2-3 TPH, 7.0 MDH TO FEED BIN/TREATER</b> With Electrically operated two way discharge valve. All sheet metal components manufactured on CNC machine, Head casing, boot casing and leg casing made of 2.0 mm, 3.0 mm and 1.6 mm G.I. 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 made of M.S., silver painted, NN rubber belt, buckets shall be HDPE/Die Pressed from M.S. Sheet of 1.6 mm thickness, self cleaning type. Spacers to be provided in between belt and buckets to prevent damage to seeds. Boot pulley - wing type to prevent lodging of seed between belt and pulley. Head pulley to be rubberised and crowned for improved traction. Belt tensioning with bakelite slide. 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.	1
9.	<b>BAGGING BIN (2 TONS) WITH ELECTRIC OPERATED TWO WAY DIS. VALVE-</b> 1.6 mm G.I. Sheet for sides & 2 mm G.I. Sheet for hoppers bottom. M.S. pipe for supporting legs with minimum 10mm 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.	1
10.	<b>SEED TREATER</b> - Capacity: 2 TPH (Based on wheat) for treatment of seeds of various crops with fungicides and pesticides etc , rotating blending drawn, dispensing pump, rotating drum for slurry mixing, slurry tank capacity - 50 litres, complete with 1 HP. Electric motor, starter, switch and all standard features.	1
11.	<b>MANUAL BAG CLAMPING ARRANGEMENT -</b>	1
12.	<b>ELECTRIC CONTROL PANEL</b> - 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 and other accessories, All motors fitted with the machines with tropically rated totally enclosed fan cooled type and current protecting. Suitable for 415 V, 50 Hz, 3 Phase, AC Supply.	1



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13.	<b>SEED DIVERTING CHUTE -</b> (For connecting seed flow from one machine to other)	3
14.	<b>PIT COVER</b>	2
<b>Sub – Assemblies and parts:</b>		
1.	<b>For Seed Pre- Cleanser -</b> <b>a.</b> Screen Set - Made of 0.8 mm CRC perforated sheet fitted on seasoned hard wood/ steel frame	1
	<b>b.</b> Ducting -	3
2.	<b>For Seed Grader -</b> <b>a.</b> Cyclone Dust Collector	1
	<b>b.</b> Ducting -	3
3.	<b>Seed Gravity Separator:</b> <b>a.</b> Deck Assembly	1
	<b>b.</b> Cyclone Dust Canopy system with integral fan, electric motor, starter & switch.	1

Interested firms are requested to submit quotations mentioning make and specifications including installation and commissioning of the equipments of the seed processing unit. The authority will have the right to reject any quotation without showing any reason.

For further details please contact with the office of the under signed during office hours (9.30 am to 5.30 pm). Quotations have to be submitted within 21 days of issue of this notification.

(NARAYAN CHANDRA SAHU)