

TENDER NOTICE DATED. 05.11.2020

Tender Doc. No.: ARL /SFURTI/2020/ 002

Supply of Machinery & Equipment for Establishment of Common Facilities Centre in Talon

Sealed tenders are invited from machinery manufacturers/ authorised dealers (having minimum five years' experience in Supply) for supply of machinery & equipment for for Package I and II establishment of common facilities centre in sandurin favour of **M/s. Association of Rural Activitiea and Voluntary Action for Literary Information called ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001** Tender should be submitted in separate envelops for Technical Bid and Financial Bid along with earnest money of Rs. 50,000/- in the form DD in favour of **M/s. ARAVALI ORGANISATION** Drawn at NahanDistt. SirmourHP .

Quotation for Package III will be collected by ARAVALI ORGANISATION or by SPV in sealed quotation from Local market.

Last date of the Tender Submission on **26.11.2020 up to 5.00 PM** and Tender will be opened on **27.11.2020** at 01.00 PM at H.O, **ARAVALI ORGANISATION** NahanDistt. Sirmour HP

Tender form can be obtained from Secretary, **M/s. ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001** on any working day between 10.00 AM to 5.00 PM by payment of Rs. 500/-. The details of works and Terms and Conditions are available in the Tender Form, **ARAVALI ORGANISATION, NahanDistt. Sirmour HP 173001** . The Technical Bid and Financial Bid dully filled by the contractor with earnest money of Rs. 50,000/- , otherwise tender will not be accepted.

The Working Committee reserves the right to cancel any or all the Tenders without assigning any reason.

Date:

Place:

For "ARAVALI ORGANISATION"



Director

TENDER FORM

(Supply of Machinery & Equipment for TheTrilokiVermi Compost & Agro Marketing Coop SocietyLtd.)

Tender Form is issued to:-

Date of issue of tender form:-

Signature of issuing authority

Terms and Conditions:

1. The minimum turnover of the tenderer firm for the last year (2019-20) should be Rs. 10.00 lakhs.
2. The tenderer firm should have minimum three year experience in supply of said machinery and necessary evidence in the form of invoice/ Work Orders need to be furnished.
3. The tender should be submitted in the prescribed tender form.
4. Tender form can be obtained from **Director , M/s. Association of Rural Activitiea and Voluntary Action for Literary Information called ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001** on any working day between **05.11 2020** to **25.11 2020** from 10.00 AM to 5.00 PM by payment of Rs. 500/-.

Tender should be submitted in separate envelops for Technical Bid and Financial Bid along with earnest money of Rs. 50,000/- and can be deposited at the below mentioned address up to **5PM on 26.11.2020**. The Demand Draft of earnest money should be in the name of by "**M/s. Association of Rural Activitiea and Voluntary Action for Literary Information called ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001**" Tenders received will be opened before the Working Committee of the proposed Common Facilities Centre on **27.11.2020 at 01.00 PM**.

The tender will be submitted in sealed envelopes separately for technical bid and financial bid. On each envelop "**Tender for CFC machineries at Talon Tehsil NahanDisttSirmour HP** , should be written on the top of envelop. Technical Bid and Financial Bid should also be clearly mentioned on envelop.

5. The Technical Bid will be opened and considered first. The financial Bid of only eligible firms/agencies will be opened.
6. Tenders received without earnest money will not be accepted.
7. The tenderer firm should submit implementation plan of supplying & erection of machinery along with other details of the firm. Incomplete tender will not be accepted.

8. The tendered firm should submit tender for a complete Package. Say, if a firm wants to participate in equipment's from Package I, preference will be given to those firms, who can supply all the mentioned items mentioned under package I.
9. Technical Bid/ Financial Bid cannot be withdrawn after opening it. Earnest money can be forfeited in case of withdrawal of bid or not completing the work.
10. If the items supplied are not found as per specifications or unsatisfactory or delivered after stipulated time, the payment of whole or equivalent amount can be withheld.
11. The party has to enter into an agreement with Implementing Agency (**M/s ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001**) on the Stamp Paper of Rs. 500/- on prescribed Performa.
12. **Clause for forfeiture of EMD amount:** At any point of time, the **Director , M/s ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001** finds that the performance of the Suppliers is not satisfactory; the **TheTrilokiVermi Compost & Agro Marketing Coop SocietyLtd. (SAFURTI CLUSTER) Village KandaiwalaTehsilNahanDisttSirmour HP** reserves the right to terminate the Supplier The loss/ damage suffered by the **ARAVALI ORGANISATION** will be debited to the bidder assigned for the work from the EMD given.
13. In case of any un-satisfaction work by the supplier. The workingcommittee and spot inspection conducted by MSMEFundaction of MSME official to take necessary step will be taken and, the Divisional Director will stop the payments to the contractor till further discussion taken.
14. In case any dispute arise between the Supplier and **M/s ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001** regarding payment of the bills to referred to Director SFURTI and DIRECTOR Legal to obtain opinion.
15. **Jurisdiction:** Nahan HPCourt shall have jurisdiction in the matter.
16. **Payment Terms:** Has per the agreement made by the Supplier and **M/s ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001**

Declaration:-

I do here by agree to abide by all the terms and conditions mentioned above.

(Signature of the authorized person/proprietor)

Name:

Designation:

Name of firm:

Technical Bid**TENDER FORM**

(Supply of Machinery & Equipment The TrilokiVermi Compost & Agro Marketing Coop SocietyLtd. (SAFURTI CLUSTER)

Tender Form issued to : _____

Date of issue of tender form :- _____

Signature of issuing authority

Technical Bid:-**Part – 1 Description of Items**

1. Name of work : Supply and erection (where applicable) of below mentioned items:

Sr.No	Name of the machinery
01	Machinery required for CFC

Part – 2 Details of firm/agency

1. Name of Firm/Agency :
2. Registered Address of Firm/Agency :
3. Name & Phone No. of co-coordinator/contact person:
- 4. Type of Firm/Agency : OEM/ Registered Wholesaler/ Unregistered wholesaler/ Retailer**
5. Registration No. :
6. Year of Commencement of work of the Firm/Agency:
7. Turnover of Firm/Agency for the year 2019-20:
8. Details of Human resources : (Man power with the firm/Agency)
9. PAN/Service Tax No. of the Firm/Agency : (Please enclose photo copy)
10. Description of supply of similar items done in the past by : Firm/Agency in past (Please enclosed copies of work order/Invoices)
11. Action plan for present activity
12. Other details, (If any):

Miscellaneous :-

1. The minimum turnover of last year (2019-20) of the Bidder Firm/Agency should be Rs. 100.00 Lakhs. A demand draft of Rs. 50,000.00 (Rs.fiftythousand Only) will be enclosed with the technical bid as earnest money. The draft will be in favor of **M/s ARAVALI ORGANISATION, SCO-2 IIIrd Floor, IDSMT Complex, Near Dehli Gate NahanDistt. Sirmour HP 173001**
2. Balance Sheet prepared by chartered Accounts for the last three years will invariably be enclosed along with technical bid.
3. Copies of Income Tax returns for the last three years will be enclosed with technical bid.
4. **Copy of authorization from Original Manufacturer, in case the tender firm is not OEM and only authorized distributor**
5. Copy of PAN/Service Tax Registration Certificate will be enclosed with technical bid.
6. The profile and following details of bidder firm/agency along with photograph, paper cutting, copy of work order will be submitted as under :-

Year	Details of items supplied	Duration	Name of party for whom items supplied
2017-18			
2018-19			
2019-20			

8. Detail of earnest money

1. D.D. No. :
2. Date :
3. Amount :
4. Name of the issuing bank :

Declaration:-

I hereby declare that the information given in the technical bid is true and correct and I hereby accept all the terms and conditions.

Place :

Date :

Signature of the authorized person

Name:

Designation:

Name of firm & address:

Phone / Mobile No. :

Seal of the firm:

Financial Bid

TENDER FORM

Supply of Machinery & Equipment The TrilokiVermi Compost & Agro Marketing Coop SocietyLtd. (SAFURTI CLUSTER)

Tender Form issued to: _____

Date of issue of tender form :- _____

Signature of issuing authority

Financial Bid:-

Description of work: Supply below listed machinery including Erection Trial Run and Commissioning(inclusive of all type of taxes, transport, and insurance) *

Machinery required for CFC
Machinery required for CFC

Package I:

Sl. No.	Equipment	Quantity
1.	Bioreactor	1
2.	Distilled Water Unit	1
3.	Automatic Kjeldahl apparatus	1
4.	Moisture balance	1
5.	UV Spectrophotometer	1
6.	Flame photometer	1
7.	Autoclave	1
8.	pH and conductivity meter	1

Package II:

Sl. No.	Equipment	Quantity
1.	BOD Incubator	1
2.	Laminar Air flow	1
3.	Hot air Oven	1
4.	Refrigerator	1
5.	Weighing Machine (up to 500 kg) with Stamping	2
6.	Weighing balance (220 gm)	1
7.	Packaging machine	1

Package III: NGO may purchase the items from these Package from Local Market. Minimum three sealed quotations may be collected from local market and opened in front of the committee. NGO may include minor specifications based on their need.

Sl. No.	Equipment	Quantity
1.	Hand Sprinkler 10lts	200
2.	Manual Tiller	200
3.	Digging Spade	200
4.	Hand Fork	220
5.	Hand Rake	220
6.	Hand Sickle	20
7.	Large Spade	20
8.	Large Fork	20
9.	Vermicompost Sieve(local made)	210
10.	Shed for Vermicompost and raise bed for Vermiwash	200
11.	Bamboo basket (local made)	400
12.	Biomass Collection Bag Nylon	500
13.	Bag Closure Stitching Machine	4
14.	Water Tank 3000lts	10
15.	Water Pipe Rubber 20m	10
16.	Computer and internet	1
17.	Furniture (Table and chairs)	

Specifications for Package I and II:

Sr.No	Machinery Required	Machine Specifications
1	Bioreactor (50 liter capacity-Local make)	Total volumes of vessel: 50Lts; Operating temperature 10 °C to 150 °C, operating overpressure 2.5 barg (40 psig), Ports Detail:1 Exhaust, 1 Light glass, 1 Pressure gauge, 1 Spray ball, 1 no. 32mm media feed, 1 Top drive for agitator, 1 LED for ling glass, 2 Ph correction, 1 inoculum, 1 nutrient and 3 spare, 1 Sparger, 1 Overlay, 1 Temperature, 1 PH, 1 sampling and 1 Bottom valve, Fermenter Skid should made up of SS 304 Stainless steel frame, with support rack for the mounting of the filters, pumps and other Subsystems, <i>Agitation System</i> : Mechanic seal drive Top driven agitation, Motor driven coupling, matching with shaft coupling,Maximum speed output 100 to 600 rpm, 3 impellers, 6-blade, Rushton type or equivalent, aeration system is designed for up to 2.0 vvm, Sterile filter housing equipped with absolute filter 0,2 micron meter, Human machine interface should be touch screen panel enable to operate all process parameters as per set point control, Temperature Control Sterilizable Pt100 probe (dual RTD) with Output 4 to 20mA, pH Control Sterilizable pH-electrode (gel type) integrated in a SS housing with Measuring accuracy ± 0.1 PH
2	Autoclave	Double walled with 40-60 litres capacity, Both Inner and Outer bodies should have made up of Stainless Steel, should be fitted with pressure gauge, steam release cock

		and safety valves, should have provided with a radial lock, Automatic low water level cut off device, and digital controller and timer, it should have automatic pressure control switch, Pressure: 15-20psi with automatic pressure control device, Temperature: Ambient to 121 °C.
3	Laminar Air flow	Laminar air flow for maintaining aseptic conditions. Biological Safety, Class I cabinets Configuration: Freestanding, benchtop, Horizontal type of air flow direction, Type of air cleanliness: Class 100, Material used for the work bench: Stainless steel 304 grade, Manual sliding type of Sash (front door), Material used for the front door: Acrylic transparent, Material used for the Side panels: Acrylic, Thickness of the door or side panels: 2 millimeters, Door and Frame should be hermetically sealed, Laminar air flow Velocity should be 0.26 to 0.38 m/s, Pre- Filter(washable) for air filtration with 10 microns, 0.3 microns of Hepa filters should be available, UV Germicidal lamp should be provided, Size of the working area(W×D×H) (feet): 3×2×2, Power supply: 100-240 VAC, 50-60 Hz.
4	Distilled Water Unit	Type III Distilled water system with iron and sand filter with automated backwash facility, should have Online Conductivity meter; displays product water quality for continuous monitoring, Automatic flush device; to ensure periodic cleaning of the filter system, Dry run protection; to ensure protection of the pump when inlet water is unavailable, Optional filtration; should be attached at the point of dispensing spout to ensure compliance to microbial reduction values, feed water TDS value: 500 PPM Max. and Inlet Pressure: 0.5 - 2.0 Kg/cm ² , Product Water with flow of 10 ltr/hr, Pure Water Resistivity (Type II: > 1 MΩ, Pure Water Conductivity (Type II): < 1 Microsiemens/cm and Total Organic Carbon (TOC): < 200 ppb.
5	BOD Incubator	It is required to grow and maintain cultures. It should provide optimal temperature, humidity and other such as the CO ₂ and oxygen content of the atmosphere inside. Type of Incubator: BOD Incubator, Capacity: 201-300 liters, Material of Inner Chambers: SS 304, Material of Outer Chamber: CRCA (powder coated point) Steel, Ambient Temperature: 5°C to 60 °C, Temperature Accuracy: ±0.5°C, Insulation: Glass wool, Controller: Microprocessor based PID control, LED Digital display showing temperature in °C, Power supply 220 V, Insulated door fitted with heavy hinges and should have double glass window, Removable type of Shelves
6	Refrigerator	Required for the storage of the cultures, Volume: 300 Litres, Type of Door: Double, Puff Insulation, Built in

		Voltage Stabilizer, Frost Free Defrosting, Compressor: Power saver Compressor, Coil Material: Copper (Cu), Metallic Finish
7	Weighing balance (220 gm)	Electronic Precision Pan Balance, Rated Load/Capacity: 220 gm, Resolution: 0.1 mg, Class type: Class-I, LCD display, Speed of measurement: 2 second, Internal calibration: Yes, Number of scale division: 100000, Tare provision: Manual, Power Requirement: mains operated, Power Supply: Single Phase, DC Operating voltage: 12 Volt, Material of platform: Stainless steel.
8	Automatic Kjeldahl apparatus	It should have efficient nitrogen estimation protocols, Fitted Stainless Steel Bottom Drip Tray, should have additional door safety by Cabinet Door Sensor, Distilled Water Collection system, Rotary Encoder Push Button, Minimum Input for 20 Sample Processing, Easy convenient connection to Fume Scrubber, automatic Steam addition, Dosing Funnel, Capacity: 250 ml, Voltage: 220/230 V, LCD Display for monitoring, should have Temperature Controller, Element Temperature should be reachable up to 700°C, Fume Scrubber should have Pump Delivery Rate of 28 litres/min
9	Flame photometer	Should have microcontroller controlled automation for ease of operation, Determination of up to four elements with single aspiration (Na, K, Li, and Ca), Up to five-point calibration available, frequently used measurement setups should be stored and recalled, Facility for restandardization with single standard should be available, Results of a measurement taken earlier should be recalled and displayed (Max. results storage: 700), LCD readout for adequate user interfaces, Built-in real time clock for date and time of analysis, Printout facility for individual sample should be available, Air compressor with built-in air regulator and air filter, Sensitivity General Range of Na : 0-100 ppm, K : 0-100, Ca : 0-100, Li : 0-100, resolution: 0.1 ppm / 0.1 meq., calibration: with up to 25 Standards of user choice with curve fitting software (5 for each Element). Multiple Calibration Curves can be stored in the memory, should be supplied with Compressor Unit.
10	UV Spectrophotometer	Wavelength range: 190-1100nm, Spectral bandwidth: 1.0 nm, Optical system: Double Beam, grating: 1200 lines/mm, Hi, Med & low speed scanning system, Should have Graphical LCD Display, Halogen & Deuterium lamps as Light Source, Sample compartment Should have 2 cell holder 10 mm path length, Photometric accuracy: $\pm 0.3\%$ T or ± 0.002 A/h @ 1A, Double Beam Optical system

11	pH and conductivity meter	<p>pH meter: Single-channel, Ready-to-measure kit, LE410 Sensor pH measuring range: 2-16, pH resolution: 0.01, pH accuracy: (\pm)0.01, mV measuring range: 0, mV resolution: 1, mV accuracy: (\pm)1, Temperature range: -5 °C-105 °C, Temperature Resolution: 0.1 °C, Temperature accuracy: (\pm)0.3 °C, auto buffer recognition, fluid resistant housing & rotational electrode stand along with accessories, Data storage facility up to 1000 samples, complete with pH electrode, temperature probe, rotational electrode stands and dust cover.</p> <p>Conductivity meter: Graphical LCD Display having automatic calibration, automatic range selection, automatic temperature compensation, selectable reference temperature, fluid resistant housing & rotational electrode stand along with accessories, Data storage facility up to 1000 samples, complete with cell temperature probe, rotational electrode stand, dust cover, LE703 type Sensor, Conductivity measuring range: 0.01 μS/cm-200 mS/cm, Conductivity resolution: 0.01-2, Conductivity accuracy: (\pm)0.5 %, Temperature Range: 0 °C-100 °C, Temperature Resolution: 0.1 °C, Temperature accuracy: (\pm)0.5 °C</p>
12	Moisture analyzer	<p>Graphical LCD Display having automatic calibration, automatic range selection, automatic temperature compensation, selectable reference temperature, fluid resistant housing & rotational electrode stand along with accessories, Data storage facility up to 1000 samples, complete with cell temperature probe, rotational electrode stand, dust cover, LE703 type Sensor, Conductivity measuring range: 0.01 μS/cm-200 mS/cm, Conductivity resolution: 0.01-2, Conductivity accuracy: (\pm)0.5 %, Temperature Range: 0 °C-100 °C, Temperature Resolution: 0.1 °C, Temperature accuracy: (\pm)0.5 °C</p>
13	Hot air Oven	<p>Triple Walled, Inner chamber should made up of Stainless Steel AISI-304 Grade, Outside made of Mild Steel with powder coated paint, the Central wall should be made up of Mild Steel, the space between the outer and central wall is press-filled with glass wool insulation to prevent heat loss during operation, double walled single door with hinges and handle, fitted with microprocessor Based Digital Temperature Indicator cum controller with PT-100 sensor range 5 °C, above ambient to 200°C, one circulating fan fitted at the side/back for uniform temperature of the inner chamber, should have removable stainless steel perforated shelves, cord, plug etc. and inner chamber size – 20” x 20” x 24”</p>
14	Weighing Machine (up to	With electronic weighing scale platform, Rated Load/

	500 kg) with Stamping	Capacity: 500 kg, Resolution: 100 g, Class- III type, led Display, Speed of measurement: 5 second, No Internal calibration, Number of scale division: 3000, Manual tare provision, Power Requirement: mains operated battery operated, Power Supply: Single Phase, DC Operating voltage: 6 Volt, Battery Backup: Yes, Backup time: 15 hrs., Battery type: rechargeable, Alarmfor overload & Malfunctioning.
15	Packaging machine	Capacity (pouch per hour): 100-200, Pouch Capacity: 50-1000 grams, Automation Grade, Filling Type: Servo Drives/ Clutch Brake Drives, fin Sealing Type, Packaging Type: laminate/Any Heat Sealable Packing Materials.

Note: *

- I. The amount should be quoted item wise as per above specifications
- II. The amount quoted for above listed Supply Erection Trial Run and commissioning should be inclusive of all type of taxes, Freight, and insurance.

Delivery at Talon PO & Tehsil NahanDistt. Sirmour Himachal Pradesh (FOR) including loading and delivery charge Warranty of the machineries and service without cost Total amount in words:-

Place :

Signature of the authorized person

Date :

Name:

Designation:

Name of firm & address:

Phone / Mobile No. :

Seal of the firm: