



NAHEP

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INSTITUTIONAL DEVELOPMENT PLAN, NAHEP
ODISHA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY,
BHUBANESWAR-751003



No. 11WIDP

Dt. 24.7.19

QUOTATION CALL NOTICE

Sealed quotations are invited for the following equipment for the IDP, NAHEP project as per the specifications mentioned below. The cost of each individual item must be specified along with packing, forwarding, GST and installation charges, if any, separately. The quotation should accompany a valid GST registration certificate and TIN number and PAN as well as up to date income tax clearance certificate. The sealed quotation must reach the undersigned on or before **16.08.2019, 5.00 PM.**

Dean, PGF-cum-DRI, OUAT &
Chairman, Procurement Committee, IDP,
NAHEP

INVITATION FOR QUOTATIONS FOR SUPPLY OF
GOODS UNDER NATIONAL SHOPPING PROCEDURES

To

Dear Sirs,

Sub: INVITATION FOR QUOTATIONS FOR SUPPLY OF EQUIPMENTS

1. You are invited to submit your most competitive quotation for the following goods.

Sl. No.	Brief Description of the Goods	Specifications*	Quantity	Delivery Period from the date of supply order	Place of Delivery	Installation Requirement if any
1	Automatic seed analyser	NIR analyzer for estimation of protein, fat, moisture, fibre, ash, etc. with operating software, PC and printer. Power 220 V AC; voltage range: 110-240 V AC; Serial computer interface RS-232-C and USB. Rotating cup sample integration technique; Filter band pass: Approx. 10 mm; Operating Temp: 10-40 °C; Typical analysis time: 10 sec with printer; Detector: thermoelectrically cooled lead sulphide; reference measurement: against ceramic disk. Adjustment of the gain for low-reflectance samples. Rotating sample cup to eliminate problems associated with sample non-homogeneity. Computer controlled cup rotation. Changeable filters to adjust bandwidth for product constituents (including protein, cellulose, sugar, ash, starch, oil and fat, alcohol).	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor

2	Fermenter	<p>Design pressure: 10 bar Stainless steel body Insulated, Vertical Orientation, High Temperature Resistance, Level/Pressure Indicator Capacity: 30 litres Fully Automatic in place sterilization system PLC Controlled with Touch screen module Agitation, Aeration, Temperature, pH, O₂, Total Bio Mass and pCO₂, pressure and level as an option</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor
3	Deep Freezer	<p>Temperature Range -20⁰C Upright: approx. 350 litres Touch Key Pad LED Display Microprocessor Controlled Temp. Regulation Audible & Visible Alarm type CFC free refrigerant Double Walled PUF insulation Solid main Door Single or Double inner Doors Tempered Glass With suitable stabilizer Stainless Steel (316 / 304) internal chamber Cabinet housing MS with Powder Coating Power Supply 220 - 240 Volts, 50 Hz. Single Phase ISO and CE Mark</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor
4	Centrifuge (Bench top, cooling)	<p>Temperature: ambient up to -12⁰ C Automatic temperature start up at a specific time to automatically pre-prepare temperature before centrifugation Max speed of 18,000 rpm, Max rcf of 30,000 g Run time can be set up to 99 minutes Capable of storing 50 routine procedures with 5 programmable buttons for frequently used programs in the first level Automatic motorised lid locking Follows safety standards set by IEC 1010-2-020 Aerosol tightness certificate Rotor made of anodized aluminium to ensure chemical resistance Chamber made of rust proof stainless steel Built-in condensation drain to</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor

		<p>eliminate water accumulation Rotor auto-clavable at 121 °C, Automatic rotor recognition, imbalance detection Basic Rotors: fixed angle rotor accommodating 24/30 x 1.5/2 ml tubes for speed 20, 800x g (14000 rpm) Fixed angle rotor for 6/12 x 15/50 ml Falcon with speed 7,800 rpm With suitable UPS with minimum backup of 30-45 minutes.</p>				
5	Phase contrast Microscope with biotherm and camera attachment and monitor	<p>Phase contrast microscope with bright field microscopy capability for analyzing live sperm and stained specimens on glass slides. Images can be displayed directly on the supplied monitor of not less than 21 inch, Coarse Adjustment Travel Range: 20 mm, Fine Adjustment Division: 0.002 mm, Total Overall Height of Microscope: not less than 400 mm, Instrument weight: not less than 8 kg, 5 X, and 10 X (Paired) & One Centering Telescope Eyepiece, Built-in Base Illumination With 6 V-20 W Halogen Lamp & Intensity controlled Power Supply, Phase and biotherm (stage warmer) and micrometry (measuring device) fitted below/on the stage. With suitable UPS of 15-20 minutes backup.</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor
6	Adv. Obst. Lab facility with calf puller, cow lifter and 2 Phantom cow (TANUVAS Model) for Obst. Surgery /Demo.	<p>A) Phantom cow with calf TANUVAS model, made up of thick colour fibre equal to size of a crossbred cow with normal sized phantom calf, facility for lateral or side opening, facility for pervaginal demonstration and correction of fetus position inside the uterus (B) Phantom cow for demo. of uterine torsion and its correction through rolling made up of thick colour fibre (TANUVAS Model) with lateral opening facility and P/V palpation</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor
7	ELISA reader	<p>Wavelength(s): 230 to 999 nm Measurement Time: 30 seconds Optical system: Hybrid Technology, Quadruple Monochromators and Barcode-labeled Filter Cubes Plate Formats: 96 well plates</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor

		<p>Detector: Low noise photomultiplier tube CCD spectrometer</p> <p>Optical System: High energy xenon flash lamp, Dedicated Laser for AlphaScreen / AlphaLISA</p> <p>Filters: Excitation and emission slides for 4 filters each</p> <p>LVF Monochromator: Excitation and Emission</p> <p>With suitable UPS of 30 - 45 minutes backup.</p>				
8	Automatic proximate analyser for meat sample (Meat analyzer)	<p>Measuring range: 850 – 1050 nm</p> <p>Wavelength accuracy: < 0.5 nm</p> <p>Wavelength precision: < 0.01 nm</p> <p>Instrument data-Dimensions (H x W x D): 40-50 x 40-50 x 60-70 cm</p> <p>Space requirements Approx. 1 m, working space in front of the instrument,</p> <p>Weight- operating: 30-60 kg</p> <p>Power supply: 100 – 240 VAC +/- 10%, 50 – 60 Hz</p> <p>Power consumption Max: 175 VA</p> <p>Ambient temperature: 5 – 35 °C</p> <p>Ambient humidity: 80% RH</p> <p>Noise level: < 70 dB (A)</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor
9	Ozone gas analyser	<p>Digital LCD display</p> <p>A. Ozone gas analyser (Range: 0 to 100 ppm)</p> <p>B. Dissolved ozone analyser in liquid (Range: 0 to 10 ppm)</p> <p>Resolution/sensitivity: 0.2 to 0.4 ppb</p> <p>Response time: less than 60 sec</p> <p>Working temp range: ambient to 50 deg C</p> <p>Separate probe for gas and liquid sample to be provided.</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor
10	Air comparison psychrometer	<p>Digital LCD display</p> <p>Pressure range: 1 to 3 bar</p> <p>Resolution: 1 mbar</p> <p>Over pressure rating: 10 bar</p> <p>Working temp: RT to 50 deg C</p> <p>Protection: IP65</p> <p>With inbuilt lithium ion batteries</p> <p>Power backup: at least 100 hour at peak mode and 1000 hours in mano mode</p> <p>With calibration volume and accessories</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor
11	Nitrogen Gas Flushing Snacks	<p>Horizontal model suitable for packing snack items, Sealing speed: 0 to 12 mm/min (approx)</p>	1	30 days	OUAT, Bhubaneswar	Installation to be done at site by

	Packing Machine	Sealing width: 10 to 12 mm (approx) With temperature controller to control the sealing temperature and a variable speed drive for adjusting the sealing and conveyor speed. With nitrogen gas cylinder				the vendor
12	Paper and Packaging Testing Instrument	For testing of paper, yarn and wood packing material Capacity: variable from 20 kgf, 50 kgf, 100 kgf, 250 kgf & 500 kgf	1	30 days	Ouat, Bhubaneswar	Installation to be done at site by the vendor
13	Leak detection testing machine	Digital LCD display; Vacuum level: 550 mm Hg; Timer: upto 5 min Shows differential pressure decay leak rate	1	30 days	Ouat, Bhubaneswar	Installation to be done at site by the vendor
14	Drag net, fry net, egg collection net, spawn collection net, breeding hapa, etc.	Drag net for aquaculture use: 120 ft length, 22 ft width, twine no 3/3, nylon net material, 25 mm mesh size, hand rope, head rope and foot rope with selvages, floats 13 nos of 4 inches diameter Fry net for aquaculture use: 120 ft length, 18 ft width, 1/18mm mesh size, monofilament twine net material, hand rope, head rope and foot rope with selvages, floats 13 nos of 4 inches diameter Fish breeding Hapa: 2.5m×1.5m×1.0m size breeding hapa, 1/40 mm mesh cloth Fish Egg collection Hapa: Nylon bolting silk cloth material of size 2.0m×1.0m×1.0m Fish Spawn collection Hapa: Nylon bolting silk cloth material of size 2.0m×1.0m×1.0m Fry conditioning Hapa: 2.5m×1.5m×1.0m size breeding hapa, 1/18 mm mesh size monofilament net material	1 set	30 days	College of Fisheries, Rangailunda, Berhampur	Installation to be done at site by the vendor
15	FRP portable carp hatchery with accessories and installation cost (1 million spawn per run)	It consists of four major parts i.e., Breeding/ spawning pool, Hatching/ incubation pool, Egg/spawn collection chamber and Overhead storage tank/ water supply system. Breeding/ Spawning Pool : The cylindrical shape breeding pool (2.15 m diameter and 0.9 m height and 3,409 l capacity) with bottom slope (1:22) towards outlet at the centre.	1 set	30 days	College of Fisheries, Rangailunda, Berhampur	Installation to be done at site by the vendor

The wall thickness varies 4.2-6.0 mm. 5 nos of 15 mm diameter rigid PVC elbows are fitted at the bottom of the sidewall at equal spacing. Five nos of rigid PVC nipples 15 x 75 mm are fitted with elbows in the same direction. A single point water inlet of 25 mm diameter is also fitted at the sidewall of the bottom. All the water inlet pipes are interconnected and fitted with individual full-way valves to control the flow of water. One-shower is also provided at the top of the tank to sprinkle and aerate the water. The water supply to the pool comes from the overhead tank placed at a minimum height of 3.3 m.

Hatching/Incubation Pool:

The pool is cylindrical in shape with 1.4 m diameter, 0.98 m height and 1,200 l net egg incubation volume (water volume of the pool 1275 l). It consists of egg incubation chamber, FRP inner chamber, water supply system and accessories. The FRP inner chamber of the tank is with 0.4 m diameter and 90 cm height, covered with nylon bolting cloth of 0.25 mm mesh to filter the excess water to the drain. Six numbers of RPVC (15 mm diameter) duck-mouths are fitted at the bottom of the hatchery at 45° in between outer and inner chamber at equal distances to get required water flow for the eggs. It also has drainage outlets fitted at the centre and at the outer chamber for draining and cleaning purposes. The spawn is collected from the hatching pool through PVC hose pipes/ spawn collection tank.

Eggs/Spawn Collection Tank:

This is a rectangular tank of size 1.0 x 0.5 x 0.5 m with capacity of 250 l. Its wall thickness is 3 mm and it is reinforced with MS angle of 25 x 25 x 5 mm at all sides from the bottom in a height of 0.35 m. The water level in the tank is maintained at a height of 0.45m (net water volume 225 l). To drain the excess water, PVC pipe of 63 mm diameter and 150 mm length is fitted at a distance of 38.7

		cm from the bottom. Cotton inner hapa of the tank size is fixed inside it to collect eggs/ spawn from breeding/ incubation pool, respectively. Overhead storage tank/water supply system: 5000L capacity overhead tank, reputed make; stand for keeping tank-iron material of required strength to withstand water load of 5000L, Tetrapod base, rectangular top base for keeping tank; 1hp motor to lift water @ 500litre/hr.				
16	High blow aerators with accessories	Hi-Blow (80 hp) Linear Air Pump Pond Aeration Septic Aerator: Clean oil-less air, long life, Extremely quiet operation, low vibration, Low power consumption, low starting current, 4.2 cfm Max Air Flow, 80 liter of Air Per Minute, 3.6 psi Max Continuous Operating Pressure, 120 VAC, 60 Hz, 1.6A, 71 Watts, 36 dBA @ 1 meter, Includes Rubber 90 and Alarm Connection Fitting and MixAirTech Sinking Hose, black, 3/8-inch, 100-feet	2	30 days	College of Fisheries, Rangailunda, Berhampur	Installation to be done at site by the vendor
17	FRP tanks of 200 L capacity on tripod stand, water inlet and out let	Cylindrical shape, capacity-200L, Fibre Reinforcement Plastic material, blue colour, circular flat bottom base with tripod stand and water outlet at bottom	12	30 days	College of Fisheries, Rangailunda, Berhampur	Installation to be done at site by the vendor
18	FRP tanks of 500 L capacity	Cylindrical shape, capacity-500L, Fibre Reinforcement Plastic material, blue colour, circular flat bottom base with water outlet at side	12	30 days	College of Fisheries, Rangailunda, Berhampur	Installation to be done at site by the vendor
19	Diesel pump (5 hp)	Engine type: vertical, single cylinder, water-cooled, four stroke cycle, compression ignition diesel engine, power : 5 hp Pump specification: Centrifugal pump size(mm): Suction-80 mm, Delivery-65mm Rated speed (RPM): 1500	2	30 days	College of Fisheries, Rangailunda, Berhampur	Installation to be done at site by the vendor
20	Cut section model of Power Tiller	Cut section model of Power Tiller; Power: 13 hp Functioning of different systems/	1	30 days	Ouat, Bhubaneswar	Installation to be done at site by the vendor

		parts can be seen from outside. Operated by 1 HP single phase electric motor				
21	Semi automatic feed mill (Consisting of a. Hammer mill, b. Pulveriser, c. Mixture, d. Sieving and packaging machine including control panel, PHD, civil & electrical work)	<p>Hammer Mill Elevator: Capacity: 500 kg/h, 2 hp, Height: 10 Feet, Bucket Size: 125 mm, Belt: 3 Ply Nylon, Box Fabrication of 2 MM</p> <p>Half Circle Hammer Mill: Capacity: 500 kg/h; 7.5 hp; Hammer Mill fabricated with varied thickness depending upon the requirement. The main body made of 12 mm MS plate, 100 mm x 50 mm x 5 mm channel hopper made of 10 gauge MS sheet. Fine, & coarse grinding can be done by changing different hole size screens, <i>One year free maintenance, One year replacement of all items if damaged.</i></p> <p>Pulveriser: Cap: 0.5 TPH ; 2.5 hp; One year free maintenance; One year replacement of all items if damaged</p> <p>Mixer Horizontal Feed Mixer with Mixer Elevator: Capacity: 500 kg/h; Height: 12 Feet; 2 hp; Bucket Size: 125 mm; Belt: 3 Ply Nylon; Box Fabrication of 2 mm; Foot and Head supported with bolts</p> <p>Heavy Mixture Machine: Capacity: 200 kg/batch; 5 hp; Fitted with Molasses Tank and Oil immersed Reduction Gear Box, for homogeneous mixing of different ground materials; Mixer Drum-made of 10 gauge MS sheet supported 60 mm x 60 mm x 6 mm; Discharge Gate: Manually operated Rack and pinion type side gate arrangement; One year free maintenance; One year replacement of all items if damaged</p> <p>Packaging Machine with Sieving machine: Apertures' are burr and stress free, sharp edge definition, customizable for greater number of holes, shape for efficient filtration mess thickness (thinness) can be, customizable according to specifications</p> <p>Bagging machine: Net Bag Filling, Feeder: Belt Feeder;</p>	1 unit	30 days	OUAT, Bhubaneswar	Installation to be done at site by the vendor

		Weighing Range: 25-50-70 kg; Maximum Output: 100 bags/Hour (50 kg); Accuracy: +0.2% For One Sigma, +0.25% for Two Sigma Stitching machine: Single Row (Single Needle Two thread Double Locked Stitch) with Semi-Automatic Thread cutter. Also includes control panel, PHD, civil & electrical work for the feed mill				
22	Lawn Mower	Electric motor operated manually controlled blade type lawn mower with volume of clipping bag: 50 litres; Cutting width: 22 inch; Adjustable speed; Colour coated	1	30 days	OUAT, Bhubanes war	Installation to be done at site by the vendor
23	Roller	Manually operated or hand operated; Spocket & chain type transmission; Six blade cylinder of tempered high carbon steel; Heavy duty special lipped edge of high carbon steel	1	30 days	OUAT, Bhubanes war	Installation to be done at site by the vendor
24	Wheel barrow	Steel body with rubber wheels; 150 kg load capacity; Powder coated finish	4	30 days	OUAT, Bhubanes war	Installation to be done at site by the vendor
25	Fogger/ Micro- sprinkler	Flow rate: 2.5 GHP/18 LPH; Coverage of 3 feet vertical throw; Recommended operating pressure: 20 to 40 psi	1	30 days	OUAT, Bhubanes war	Installation to be done at site by the vendor
26	Electrically operated balance	Max Capacity: 6 kg; Table top Accuracy: 1.0 gm; Linearity: 0.2gm; Tare Range: 5-6 kg; Repeatability: +/-1.0 gm; Auto calibration external; Auto shut off; LCD display with battery backup	1	30 days	OUAT, Bhubanes war	Installation to be done at site by the vendor
27	Boiler	Capacity: 20 litres steam per hour; Pressure: 30 psi; Power source: wood/wood briquettes	1	30 days	OUAT, Bhubanes war	Installation to be done at site by the vendor

**Where BIS certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only.*

2. Government of India has received a financing from the International Bank for Reconstruction and Development (IBRD) in various currencies towards the cost of the National Agricultural Higher Education Project (NAHEP) and intends to apply part of the proceeds of this Loan to eligible payments under the contract for which this invitation for quotations is issued.

3. Bid Price

- a. The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialling, dating and re writing.

- b. All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
 - c. The cost of packing, forwarding, insurance etc. must be mentioned separately in exact figure (it should not be mentioned “as applicable”)
 - d. The costs of each individual items must be specified along with the transportation and installation charges (including the cost of civil work for foundation), if any, separately. Item nos. 14, 15, 16, 17, 18 & 19 will be supplied and installed at College of Fisheries, Rangeilunda, Berhampur, Ganjam.
 - e. GST and other taxes in connection with the sale shall be shown separately.
 - f. GST and other government taxes shall be paid as per government rule and need to be mentioned separately.
 - g. Odisha University of Agriculture and Technology is a non profit, non commercial premier institute engaged in teaching, research at undergraduate, post graduate and PhD level and we do not have any commercial license. Accordingly the GST calculation may be made on the concessional rate. As such the university availing price discount for purchase of equipments/instruments, etc. The maximum rate of discount on each item may also be indicated in the quotation specifically.
 - h. Odisha University of Agriculture and Technology, Bhubaneswar is registered with the Department of Scientific and Industrial Research (DSIR regd no. TU/V/RG-CDE (421)/2013, dated 21st February, 2017 valid up to 31st August 2021) for purposes of availing Custom Duty exemption and IGST-SGST exemption. The applicable amount of Custom Duty/GST for our University against DSIR certificate should be mentioned in the quotation.
 - i. The exact figure of percentage of discount offered as applicable to non-profit, non-commercial government educational institute.
 - j. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - k. It should contain a letter conforming 3 years onsite warranty from manufacturers. If the warranty is less than 3 years, then the additional cost of Annual Maintenance Contract with zero financial liability to the University must be included for calculating 3 years warranty, else bid will not be accepted.
 - l. AMC for at least for 5 years should be mentioned (year wise) beyond the standard warranty period of three years.
 - m. The Prices shall be quoted in India Rupees only even if the item is imported.
 - n. Printed literature indicating photographs and detail technical specification, working CD, manual and their function must be attached.
 - o. The specific brand, make, model etc. shall be clearly mentioned in the quotation.
 - p. If the quotation is submitted by an authorized dealer, then, the dealer must submit an authorization letter.
 - q. Separate list indicating recent users, name of users, address along with contact telephone number and email of users of the equipment (same make and model for which quotation has been submitted) must be submitted along with the quotation for each item separately.
 - r. Letter from manufacturer indicating that the manufacturer shall provide after sales service during Warranty/Comprehensive Annual Maintenance Contract/AMC period if the authorized dealer/bidder fails to provide same.
4. Each bidder shall submit only one quotation.

5. Validity of Quotation

Quotation shall remain valid for a period not less than 90 days after the deadline date specified for submission.

6. Evaluation of Quotations

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed; and
- (b) Conform to the terms and conditions, and specifications.

- (i) The Quotation would be evaluated separately for each item.
- (ii) GST/other taxes in connection with sale of goods shall not be taken into account in evaluation.
- (iii) Each quotation should accompany a valid GST registration certificate and TIN number and PAN as well as up to date income tax clearance certificate.

7. Award of contract

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who offered the lowest evaluated quotation price.

- a. 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.
 - b. 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. Number of items may marginally increase or decrease on the basis of quoted price and availability of funds. The terms of the accepted offer shall be incorporated in the purchase order.
8. Payment shall be made immediately after delivery and successful installation and working of the goods/equipments.
9. If the cost of the item is equal to more than Rs. 2.50 lakh, then 2% GST will be deducted at source.
10. We look forward to receiving your quotations and thank you for your interest in this project. Quotation must be delivered to the address below latest by **17.00 hours** on **16.08.2019**, along with a cover-letter and supporting documents in a sealed envelope indicating **"IDP - Quotation for Equipments"** only by **SPEED POST (INDIA POST)**.
The quotations will be opened in the office of the Dean, PGF-cum-DRI and Chairman, Procurement Committee, IDP, OUAT, Bhubaneswar - 3 on **17.08.2019 at 11.00 AM**

**Chairman,
Procurement Committee
IDP, NAHEP Project
O/o Dean, PGF-cum-DRI
OUAT, Bhubaneswar – 751 003
Tel. No.: 9337791749**


Dean, PGF-cum-DRI & Chairman,
Procurement Committee
IDP, NAHEP Project

FORMAT OF QUOTATION*

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In words
	TOTAL						
	GST						
	Any other charges like packing, forwarding, insurance, extended warranty, installation etc.(if any) should be shown separately						

Gross Total Cost: Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs..... (Amount in figures) (Rs..... amount in words) with in the period specified in the Invitation for Quotations.

We also confirm that the warrantee/ guarantee of months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of supplier

***Price should be shown separately for each item and GST separately.**