ICAR Research Complex for N.E.H. Region
Tripura Centre, P.O. Lembucherra-799210 West Tripura.
http://www.tripuraicar.gov.in

Phone No (0381) 2865 537, 2400 047 (O); Fax: (0381) 2865 537, 2865 201 E-mail: jdtr.icar@nic.in

No. F. RC/TC (T-53) DBT-EUS/2012 **Dated the 16th July 2012**

NOTICE INVITING TENDER

Sealed bids are invited for procurement of Scientific Equipment/Instruments from the bonafide authorised dealer/ supplier/ Supply /installation/commission of Scientific Instrument/Equipment as mentioned below so as to reach the Joint Director, ICAR, Research Complex for NEH Region, Tripura Centre, Lembucherra on or before **03-08-2012 up to 3 PM.** The tender forms can be downloaded from the ICAR (Tripura) website (**http://www.tripuraicar.gov.in and http://www.icar.org.in**). The procurement is for DBT sponsored twinning project on **"Understanding of molecular pathogenesis of Epizootic Ulcerative Syndrome (EUS) in fish and development of newer strategies to combat EUS"**

The tenderer should submit the Tender in two bid system – **1. Techno Commercial Bid**, **2-Financial Bid**, the cost of tender document Rs.500.00 is to be paid for each schedule of work in the form of **DD / or Banker's cheque** drawn in favour of Joint Director, ICAR, Tripura Centre payable at SBI, Agartala should be kept in the 1. Techno-commercial Bid of the Tender giving. The tenderers are also to enclose **D-Call** of Rs. 2.5% of Quoted price only in favour of Joint Director, ICAR, Tripura Centre, along with the 1.Techno-commercial Bid of the Tender. The separate 2-Financial Bid in sealed cover will be enclosed in the Tender inside the envelope of Techno Commercial Bid. The tender should be superscibed as " Tender for DBT Sponsored Fishery Project".

Sl.	Name of the work	Maximum Estimated Cost. in (Rs)	Cost of tender document	EMD As D-Call	Last Date of Submission
1.	**Thermolcycler**	19.1 Lacs	Rs. 500/-	**2.5% of Quoted price**	**3rd August 2012** at 3-00 pm.
2.	**BOD Incubator**				
3.	**Weighing Machine**				
4.	**UV-Spectrophotometer**				
5.	**UV-transilluminator**				
6.	**Gel electrophoresis apparatus with power pack**				
7.	**Laminar airflow**				
8.	**Refrigerated micro centrifuge**				
9.	**FRP tank**				
10.	**Micropipette**				
11.	**Imaging system**				
12.	**Automated ELISA reader and plate washer**				

Asstt. Administrative Officer

Copy to:

1. The Asstt. Administrative officer (Stores-II), ICAR Research Complex for NEH Region, Umiam, Meghalaya for information please.
2. Sri. C. Debnath, Scientist (Fishery) & PI, DBT Twinning project, ICAR Tripura Centre, for information please.

In The Letter Head of the Company

To,

Joint Director
ICAR Research Complex for NEH Region
Tripura Centre, Lembucherra
West Tripura-799210, Tripura

Dear Sir

1. I/we offer to construct as detailed in the schedule here to or such portion thereof as you may specify in the acceptance of tender at the price given in the specified date. I/we shall be bound by a communication of acceptance despatched within the aforesaid date.

2. I/we have understood the instructions and conditions of contract pertaining to the above mentioned tender and have thoroughly examined the specifications there to and am/are fully aware of the nature of the stores required and my/our offer is to supply strictly in accordance with requirements.

3. The following pages have been added to as part of the tender:

   a.

   b.

   c.

   d.

   e.

4. A demand draft / Bankers cheque No…….. Dt……of Rs. 500/- (Rupees five hundred) only drawn in favour of The Joint Director, ICAR Research Complex for NEH Region, Tripura Centre on the State Bank of India, Agartala, West Tripura is enclosed towards the cost of tender form.

5. A **D-Call or DD** No…….. Dt……of Rs. …… (Rupees …… ……
   ……) only drawn in favour of The Joint Director, ICAR Research Complex for NEH Region, Tripura Centre on the State Bank of India, Agartala, West Tripura is enclosed towards **the EMD**.

6. I/we also agree to execute the contract bond/ agreement as per ICAR rules.

Yours faithfully,

Signature of witness (SIGNATURE OF TENDERER)
Address:

Terms and Conditions

1. Only bonafide Authorised Manufacturer/dealer/retailer/stockist of instrument / Equipment having dealership/manufacturer certificate for supply/installation/commissioning of the items, also having PAN number. are eligible for submitting the tender. Tenderer having quoted for ISI/ISO certified equipment/service shall have preference.
2. **Techno-commercial bid** should be with details of company profile, brochure of the Equipment, user list , Financial Bid, EMD, Cost of Form etc.
3. **The Financial bid** should be in a separate envelope and to kept in the envelope of Techno-commercial bid.
4. Price quoted must be given per unit and must be all inclusive, including packing, forwarding, delivery charges, Taxes, VAT and FOR Lembucherra. As may be applicable.
5. **In case of imported goods, the price may be quoted in foreign currency and imported will be on FOB basis. However, custom clearance, inland freight etc. will be responsibility of get supplier and no separate charges will be paid for that. The custom Duty exemption certificate shall be provided. The supplier should inform well in advance for sending these papers.**
6. **EARNEST MONEY**: - As mentioned in tender notice Earnest money to be deposited in in the form of D-Call / DD favouring JOINT DIRECTOR, ICAR RESEARCH COMPLEX FOR NEH REGION, TRIPURA CENTRE, payable at SBI, AGARTALA drawn on STATE BANK OF INDIA only. Tender received without appropriate Earnest money shall be rejected summarily. The demand draft be enclosed in a separate envelope of size 9" x 4" superscribed as "EARNEST MONEY DEPOSITED OF Equipment" without which the offer shall not be entertained. Earnest money to be deposited has been mentioned in the tender notice and enclosed tender schedule.
7. **The EMD** will not carry any interest on it. The EMD refunded in full on receipt of request after the finalization of tender. However in case of tender accepted for the purpose the EMD refunded only after final execution of work. The refund of EMD not claimed within three years from the last date of receipt of tender will stand forfeited. EMD is compulsory to all and no exemption is allowed.

   EMD stand forfeited if conditions at clause-I above not fulfilled. Tender submitted in person or by mail (Registered/Speed post) only. In case of forms downloaded from website should be accompanied with cost of tender form Rs. 500/- in form of DD or Bankers Cheque.
8. Tender should reach this office on or before 03-08-2012 by 3-00 p.m. This office shall not take any responsibility for postal delay/loss in transit. Deposit tender sent by hand delivery in the tender Box in the Office of the Joint Director, ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra, West Tripura. The tender will be opened on 03-08-2012 at 03.00 hours or next working day in case of holidays. Any tender receipt after the stipulated date will not entertained.
9. Payment will be made by cheque/DD/pay order within one month after satisfactory completion of order in full.
10. The appropriate tax / TDS as per the govt. prescribed rate will be deducted from the contractors' bill.
11. Decision of Joint Director, ICAR Research Complex for NEH Region, Tripura Centre, on any dispute related to this Tender shall be final and binding.
12. The tender for any item(s) will not be opened if the total number of Tender Bids received by the Institute is less than three.
13. Tenders received after the stipulated date and time WILL NOT be considered and that not in conformity with the terms and Conditions as above are liable to be rejected.
14. Period for which the offer will remain open/contract period: The tenders shall remain valid up to 6(six) months from the date of approval.
15. The Institute shall not be responsible for any postal delay whatsoever.
16. The authority reserves the right to accept or reject any tender without assigning any reason thereof. The authority also reserves the right to accept any tender in case of lowest tenderers fails to complete the work (i.e. it is not mandatory to award the work to the 2nd lowest).

ACCEPTED ABOVE MENTIONED TERMS CONDITION

(M.Dutta)
Joint Director

(SIGNATURE OF TENDERER)

Please Note:

1. All correspondence relating to the tender should be addressed to :-

   Joint Director, ICAR Research Complex for NEH Region, Tripura Centre, Lembucherra, West Tripura-799210, Tripura

Specifications of instruments for DBT sponsored twinning project on "Understanding of molecular pathogenesis of Epizootic Ulcerative Syndrome (EUS) in fish and development of newer strategies to combat EUS"

SL. No.	Items	Specifications	Requirement	Quoted Price Inclusive all
1.	Thermolcycler	Universal block for: 25x0.2 ml PCR tube; 16x0.5 ml PCR tube; One 5x5 microtiter plate; heating and cooling by peltier technology; temperature control range from 4-99^{0}C Block homogeneity: 20-72^{0}C: ≤±0.4^{0}C; 95^{0}C: ≤±0.5^{0}C Regular accuracy per well +/- 0.2^{0}C; Temperature control speed approx. 3 ^{0} C/s (heating) / 2 ^{0}C (cooling); heatable lid included; number of programs 100 in device; max no. of cycle 99; One personal card for approx. 10 program; simple programming, utmost flexibility; four line display; RS232 interface	1 No.	
2.	BOD incubator	6 cft	1 No.	
3.	Weighing machine	Weighing capacity 220 gm; readability 0.1 mg; Linearity ±0.2 mg; repeatability ≤0.1 mg; Pan size 91 mm; minimum display 0.1 mg; calibration-internal; accuracy-Class I; power supply-12V, 1A; Durable high performance aluminum; alloy mass sensor uniblock technology; complete with glass draft shielded with three side openable; data interface; LCD display	1 No.	

4.	UV-Spectrophotometer	Wavelength Range: 190-1100nm; Wavelength Accuracy: ±1.0nm; Wavelength Repeatability: ±0.5nm; Spectral Bandwidth: 1.8nm; Optical System: double-beam; Photometric Range: -0.1 to 3.0A; 0.3 to 125%T; Photometric Accuracy: 0.5% or 0.005A, whichever is greater, up to 2A; Lamp Source: Xenon Lamp; Detector: Dual; Monochromator: Grating-based (1200 lines/mm); Slew Speed : 11,000 nm/min; Scanning Speed 200-2200 nm/min; Data Interval 1.0, 2.0, 3.0, 5.0 nm; Noise (peak-to-peak): <1 mA at 0 A; <2 mA at 2 A, peak-to-peak at340 nm; Drift (@ 340nm): <0.001A/hr; Stray Light: <0.1%T @ 220, 340 & 400nm; Display: 320 x 240 pixel backlit LCD, 3.8" x 2.8" alphanumeric/graphic; Supplied Interface: RS232C (text only); Software (built-in): A/%T/C; Standard Curve; Abs Ratio; Abs Diff; Kinetics; Scan; 3-Pt Net; Multi-Wavelength; Performance Validation; Test Storage: Up to 80 sets of test parameters in non-volatile memory; Data Storage: via RS232C; Languages: English; Power Requirements: 100-240V, 50-60Hz; Dimensions: 30cmW x 40cmD x 25cmH (11.8"W x 15.7"Dx9.8"H); Weight: 19 lbs (8.6 Kg)	1 No.	
5.	UV transilluminator	Viewing area: 20x20 cm; UV source: 6x8 watt UV tube; wave length: 312 mm; 220V AC 50-60Hz input; 2Amp fuse; housing: cover frame stainless steel, bottom frame	1 No.	

		mid steel with power coated; cooling fan cum exhaust; orange hinged UV block cover		
6.	Gel electrophoresis apparatus with power pack	Lower anode tank and central electrode unit for in situ gel casting fitted with male connectors and electrodes ensuring unidirectional migration, A lid, silicon gasket for central electrode unit, one notched and one rectangular glass plate, glass plate stand, two 1.5 mm thick slotted spacers, an agarose dispenser for filling slot in spacer, one PTTE comb (1.5 mm thick, 10 wells, est. Vol. 112 micro liter/well), a set of clamps with screws, a pair of electrode cords with male and female connectors for user safety, gel-sandwich opener, instruction manual **Power pack:** Output range up to 300V, 100 mA, input: 220V±20% at 50 Hz Dual mode (CV and CC) with auto-crossover, two outputs in parallel (each output is independently monitored), independent digital displays for mA and volts (resolution 1 mA, 1 V), can be set to any desired value within range, subject to resolution of displays, special MOSFET load sharing circuitry in series and parallel, active cooling of transistors, protection of outputs against short-circuiting. Over voltage tripping circuit, inbuilt constant voltage transformer to instantaneously stabilize voltage, filter out spikes and shutdown incase of frequency change.	1 unit	

7.	Laminar airflow	Working size: 900x600x600 mm Size of HEPA filter: 600x600x150 mm; no. of prefilters: one with S.S. top; illumination: 1x20W, UV tubes: 1x15 W The cabinet is made of duro board having S.S. Working tables complete with motor blower, UV light, Static pressure included manometer gas cock and Airlines etc. Four no. caster wheels.	1 No.	
8.	Refrigerated micro centrifuge	Min. 18 position rotor for 1.5/2.0 ml microcentrifuge tubes including standard rotor; max: 14000 RPM, relative centrifugal force (rcf): max. 16873 x g; aerosol tight rotor standard, separate short spin key, time setting from 0.5-599 minutes, anodized rotor, adaptors available for 0.2ml/0.4 ml/0.5 ml & 0.6 ml microtainer, low sample heating (max. 12^0C after 20 min. at max. speed), temperature range 0 to +40 ^{0}C, separate key for RPM/RCF setting, air cooled centrifuge, IvD, 6 adaptors for 0.2 mL PCR tubes, 6 adaptors for 0.5 mL tubes	1 No.	
9.	FRP tanks	Made of genuine food grade FRP for fish culture applications, capacity Min. 500 liters. Provide with Flat Bottom and having water outlet on the side of ½". Provided with Ball Valve for water flow control. The tank should have smooth finish from inside and a 1" collar all round and the colour should be blue.	12 Nos.	

10.	Micropipette	Volume range: 0.2-2 micro liter, accuracy ±0.024 to ±0.30 micro liter ; Volume range: 2-20 micro liter, accuracy ±0.10 to ±0.20 micro liter; Volume range: 20-100 micro liter, accuracy ±0.35 to ±0.80 micro liter; Volume range: 200-1000 micro liter, accuracy ±3 to ±8 micro liter;	4 Nos.	
11.	Imaging system	16 MP and 10X zoom high speed camera with sliding system for high resolution complete with rechargeable battery and other accessories	1 No.	
12.	Automated ELISA reader and plate washer	**ELISA reader:** Human machine interface: Touch panel/key pad; linear measurement range: 0.000 to 3.000 absorbance Units (A); Photometric accuracy: ±2% or 0.005 whichever is higher, from 0 to 1.5 A, ±3% from 1.5A to 3.0 A; Drift:<0.005A/hr; photometric linearity: 2.5A, optical measurement: 8 channel; type of filter: Narrow band interface; wave length: 405 nm, 450 nm, 492 nm, 630 nm & two optional; 10 nm±2 nm half bandwidth, selection automated by stepper motor; tungsten halogen lamp, 90 seconds warm-up time, 6" graphics LCD, negative blue, STN display; graphical representation on printer; plate carrier movement precisely through the stepper motor; printer built in thermal printer 52 columns, 64 kb non-volatile RAM battery backup supporting 25 open channels; analysis mode: absorbance, cut-off, multi-	1 unit	

		standard, % absorbance; RS232 serial port: 2400 baud, 8 data, 1 stop, no parity bits/USB; 50 watts power; 115-230 Volts ±10%, 50/60 Hz; operating position: on horizontal flat, rigid and vibration free surface, operating conditions: +18-35^{0}C; relative humidity up to 80%; storage conditions: -10 to +35^{0}C and relative humidity up to 80%, ABS fire retardant enclosure, weight max. 10 kgs. **ELISH plate washer:** 8 way manifold, peristaltic pump dispensing with volume of 300-400 microliter in steps of 50 microliter, diaphragm pump aspirating with residual volume of <5 micro liter, 2 lit wash bottle with audible alarm, 2 lit. rinse bottle, LCD display with 16 characters, liquid contact material: Silicon, stainless steel, derline, 8 KB non-volatile RAM battery back up supporting 35 open channels, long wash, short wash rinsing, priming, incubator for 2 ELISA plates, 37^{0}C; individually programmable; power: 50 watts, 115-230 V±10%, 50/60 Hz. operating conditions: +18-35^{0}C; relative humidity up to 85%; storage conditions: -10 to +35^{0}C and relative humidity up to 85%, ABS fire retardant enclosure, weight max. 6 kgs.		

Signature with office seal……