

F.No : 5- 31/20-21/ST**Date : 20.02.2021****LIMITED TENDER ENQUIRY**

Limited tender for **“Supply and Installation of Heat pump tray dryer at MES of CIBA, Kovalam Post, Muttukadu Chennai-613112, Tamil Nadu.**

Tender documents may be downloaded from CIBA web site www.ciba.res.in as per the schedule given in **CRITICAL DATE SHEET** as under.

CRITICAL DATE SHEET :

Published Date	20th February 2021 (04.00 PM)
Bid Clarification Start Date	20th February 2021 (04.00 PM)
Bid Clarification End Date	27th February 2021 (11.00 AM)
Bid Submission Start Date	20th February 2021 (04.00 PM)
Bid Submission End Date	27th February 2021 (11.00 AM)
Bid Opening Date	27th February 2021 (04.00 PM)

Delivery/Installation Site :

MES of Central Institute of Brackishwater Aquaculture

(Indian Council of Agricultural Research),

Kovalam Post, Muttukadu Chennai-613112, Tamil Nadu.

Phone: +91-044-27472425, 27472061, 24610565.

E-mail: stores@ciba.res.in, storesciba@gmail.com

Sub: Limited tender for **“Supply and Installation of Heat pump tray dryer at MES of CIBA, Kovalam Post, Muttukadu Chennai-613112, Tamil Nadu”** - Reg.

Please furnish your quotation in the enclosed schedule for the work of **“Supply and Installation of Heat pump tray dryer at MES of CIBA, Kovalam Post, Muttukadu Chennai-613112, Tamil Nadu”** as per the specification. Furnishing of the quotation is governed by the following terms and conditions.

1. The quotation should be submitted in a sealed cover and should reach this office on or **before 27.02.2021- 11.00 hrs** addressed to the **Director, Central Institute of Brackish water Aquaculture, No.75 Santhome High road, Raja Annamalai Puram, Chennai-600 028**. The quotation received after the scheduled time will not be considered at all.
2. The envelope consisting the quotation should be superscripted as **“Supply and Installation of Heat pump tray dryer at MES of CIBA, Kovalam Post, Muttukadu Chennai-613112, Tamil Nadu”**. The quotation without superscription is liable to be rejected.
3. The right to accept the rates and bidding the work based on the quality and reputation of the firms rests with the DIRECTOR, CIBA and it cannot be challenged. The DIRECTOR, CIBA reserves right to accept or reject any one or all the quotation without any reason.
4. Quotation may be furnished for **“Supply and Installation of Heat pump tray dryer at MES of CIBA, Kovalam Post, Muttukadu Chennai-613112, Tamil Nadu”** as per the Annexure (**PRICE BID**)
5. No advance and any part payment will be made for this work.
6. During executing of work any loss/Hazard due to any reason for the men and materials will be borne by the contractor. The Institute will not be responsible for any loss or damage /Hazard

7. While executing the work, the executing agency is fully responsible for any damage to Institute materials and the same may be replaced (including materials & labour charges for the replacement) by the Contractor at his own cost.
8. The work should be completed to the satisfaction of the authority concerned.
9. The contractor has to visit the site and get acquainted with the place and accordingly the items/units have to be quoted.
10. The rates are to be quoted as per the specifications; no change in rates will be accepted after submission of the quotations.
11. For inspection of site, Dr.K.Ambasankar,PS (Phone No:04424610565 Ext-210), may please be contacted between 10.00 hrs to 16.00 hrs on all working days.
12. Payment will be made after completion of the work to the satisfaction of the authority concerned.

**The Director,
Central Institute of Brakishwater
Aquaculture,
No.75.Santhome High Road,
R.A.Puram,
Chennai – 600 028.**

TECHNICAL SPECIFICATIONS - HEAT PUMP TRAY DRYER AND ITS

ACCESSORIES

- Suitable for whole fish & fishwaste / biological materials with moisture content as high as 80%
- Production Capacity 50 KG/ Batch
- Drying time (approximate) 18 to 32 hours.
- Temperature - 30° C To 60° C Adjustable with accuracy $\pm 5^{\circ}\text{C}$
- Relative Humidity - Less than 10 to 35 % RH
- Pre - Air Filter - 10 Micron nylon media washable type
- Main Filter - 5 Micron nylon media washable filter
- 6000 Kcal/Hr,
- 8 Kw Capacity Industrial Type double skin XLDP insulated panels
- Water Dehumidification capacity 8 Liters/ Hr at 90% RH
- Power consumption 3 Kw Three Phase 440 V 50 Hz
- Tray Dryer Outer Dimension Size : W72" X D36" X 52" Height
- Total No of Trays - 14
- GI fabricated Wire mesh Tray Size L 30" X D30" X 2" Height

ACCESSORIES

COMPRESSOR	Emersion Copeland hermetically Sealed with automatic overload protection.
AIR FILTER	Lied Air make grade 3215 Micron fiber media designed 10 Micron washable filter.
THERMOSTAT	PLC Controlled Dixell Italy make digital controller with differential adjustment.
HUMIDISTAT	PLC Controlled Dixell Italy make digital controller with differential adjustment.
FAN MOTOR	Hicool dynamically balanced ball bearing with self-mounting type.
INDOOR CONDENSER	Scanair make with Nippon imported copper grooved Pipe Multiple refrigerant flow system with fin and tube type.

OUTDOOR CONDENSER	Scanair make with Nippon imported copper grooved pipe fin and tube type.
STAND BY HEATER	Stainless Steel SS304 Grade Strip heaters 12 Kw Capacity.
EVAPORATOR	Compact brazed heat exchanger multiple stage refrigerant injection fin and tube type.

ELECTRICAL	Schneider Electric Drive and contractors with L & T Single phase preventor.
EXPANSION VALVE	Mechanical Thermostatic Expansion Valve with automatic equalizer Danfoss make with 6 way distribution system.
HPLP CUTOUT	Danfoss model KP15 with auto reset and differential adjustment system
BLOWER MOTOR	Crompton Greaves (or) Kirlosker split phase Induction Motor.
CENTRIFUGAL FAN	Backward curved dynamically balanced high Static pressure fan.
HEAT PUMP CONSTRUCTION	MS 2" Profile Spray painted double skin glass wool insulated panels with double door construction.
DRAIN TRAY	Stainless Steel detachable drain tray with pump available.

Note : The quote should be inclusive of installation.

ANNEXURE

PRICE BID		
Sl.No	Item Description	Amount
1.	Supply and Installation of Heat pump tray dryer at MES of CIBA, Kovalam Post, Muttukadu, Chennai - 613112, Tamil Nadu.	
2.	GST	
Total		
(Rupees _____)		

केन्द्रीय खारा जलजीव पालन अनुसंधान संस्थान (भारतीय कृषि अनुसंधान परिषद)
#75, संथोम हाई रोड, राजा अण्णामलैपुरम, चेन्नई - 600028, तमिलनाडु, भारत



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