



தமிழ்நாடு உடற்கல்வியியல் மற்றும் விளையாட்டுப்
பல்கலைக்கழகம்
**TAMIL NADU PHYSICAL EDUCATION AND SPORTS
UNIVERSITY**

(Estd. by the Govt. of Tamil Nadu Under Act No.9 of 2005. A State Govt. University)
Accredited with "B" Grade by NAAC

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Dr.R.Ramakrishnan

Registrar i/c.,

Lr.No. TNPESU/R5/O.P.204/RUSA/Athletic Equip /2023

23.01.2023

To

Sir,

Sub: TNPESU — Purchase of Athletic Environmental Chamber Equipment
for Sports Technology Department – Quotations requested - Reg.

I am by direction to inform you that this University is proposed to purchase the following Athletic Equipment for conduct of all India Inter-University Championship under the RUSA Scheme. The detailed specification is enclosed.

Athletic Environmental Chamber

TECHNICAL SPECIFICATIONS:

- ❖ Outer Chamber Size (Work Space) : 2000 mm x 2000 mm x 2000 mm (H).
- ❖ Temperature Range: -10°C to 80°C.
- ❖ Humidity Range : 20% to 95% Rh @ 30 to 60 °C.
- ❖ Temperature controlling Accuracy: $\pm 1^\circ\text{C}$.
- ❖ Humidity Controlling Accuracy : $\pm 3\%$ Rh.
- ❖ 4-20 ma Direct RH sensor for both Temperature and RH Sensing.
- ❖ High / Low temperature deviation alarm.
- ❖ Microprocessor based Cyclic Programmable PID digital temperature, humidity indicator cum controller with 0.1°C / 1% display resolution. (Eurotherm 2604) with 7 inch Colour HMI for Data logging Via USB Port.(FUJI)
- ❖ Walk in Room PUF Panel : 60 mm thick Monowall Insulated sandwich PUF Panel with External 0.5 mm PPGI Sheet and internal 0.5mm SS 304 , tongue & Groove Joint
- ❖ Wall & Ceiling : 60 mm thick Puf Panels.
- ❖ Floor : 60 mm Puf Panel and 1.2 mm Aluminium Chequered Sheet on the above.
- ❖ Walk in Room Door : 2.5 Ft x 6 Ft with Magnetic Gasket & Handle with Lock for Door.

- ❖ Panel Colour : RAL 9002 with RMP Coating. Provided with Drain facility.
- ❖ Wet and Dry heater for temperature, humidity controlling.
- ❖ Forced air circulation for uniformity of temperature and humidity By direct driven Motor with SS Extended Shaft and Aluminium Blade.
- ❖ Water level controlling provided for humidity arrangements.
- ❖ Specimen Protection will be provided.
- ❖ LED Tubelight – 2Nos. will be provided.
- ❖ Built in CFC free Single Stage refrigeration system with Hermetically Sealed Danfoss make compressor. (Model No. NTZ 136) Indoor made of SS 304 & Outdoor Unit made of MS Powder Coated.
- ❖ Power Consumption: 420V, 50Hz, Three Phase. Minilec Single Phase Preventor will be provided.
- ❖ Rate of Change of Temperature : 1.5 Hrs to Reach -10 °C from Ambient with Physical & Human Load of 150 Kgs.
- ❖ **Calibration certificate traceability to NABL standards to be provided.**

Quantity to be purchased : 1

In this regard, I am by direction to request you to give the quotation for the supply of above athletic equipment's and the same to be sent to this University on or before 07.02.2023 by 3.00 p.m. in a sealed cover marked in the envelope as "**Quotation for Athletic Environmental Chamber (RUSA)**" to this University.

Thanking you,

Terms & Conditions:

1. **Athletic Environmental Chamber** should be delivered within 10 days from the date of issue of Purchase Order. The purchase order will be cancelled if the items are not supplied/installed within the stipulated days or if not valid justification / reasons furnished by your end.
2. Rates include GST. No payment will be made for other charges.
3. The Unit should be manufactured as per the ISI standard and material used should be of ISI grade.
4. If any defect found after purchase/installation, the same should be rectified at your cost and no extra payment will be made on the account.
5. Invoice signed by you and with your seal should be enclosed along with the invoice bill.
6. The bill should be submitted in triplicate to this office addressed to the undersigned.
7. The unit should be manufactured and supplied as per the specification specified in the quotation.
8. Payment will be made only completion of delivery and installation of the whole unit against the order placed.
9. Warranty should be follow as per your terms and conditions.
10. Terms and condition as per quotation notification will be applied.
11. The sealed quotation to be addressed as follow:

**The Registrar, Tamil Nadu Physical Education and Sports University,
Melokottaiyur Post,
Chennai - 127**

[Handwritten Signature]
Registrar i/c.,

[Handwritten Signature]
23/1/22