

Government of Tripura
Forest Department
NTFP Centre of Excellence

JICA Project Building, PO: Gandhigram, Agartala- 799012

Phone: 0381 2397059, Fax 0381 2397058,

email: tripurance@gmail.com Website: www.nce.gov.in

NTFP CENTRE OF EXCELLENCE

Sealed quotation are invited for procurement and installation of Agro Meteorological Instruments and their installation at PMU Campus, Tripura JICA Project, Gandhigram, Agartala.

Detailed specification and terms are available at www.nce.gov.in / www.tripurajica.com / www.forest.tripura.gov.in.

Last date for submission of quotation is 21st April, 2016.

Sd/-
(Dr. Honnareddy.N), IFS
Director (NCE)

No.F.251/TFIPAP/NCE/Weather station/2016/ 79-83

date: 16 / 04/ 2016.

Copy to:

- 1.PCCF & HoFF, Tripura for kind information.
2. CEO & PD Tripura JICA Project for kind information.
3. DDO, NCE for kind information.
4. I/C website of Tripura Forest Department, Tripura JICA Project, NCE for publication on their website.
5. Editor : Daily Desher Katha

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Terms of Supply

1. General: NTFP Centre of Excellence (NCE) was established in 2008 under Tripura JICA Project to address the issue of NTFPs and value addition in a comprehensive manner, with the broad objectives:

- increasing the productivity of bamboo, cane & other Non-timber Forest Produce (NTFP) in the region through assured provision of quality planting material (QPM) and technical services;
- promoting livelihood improvement & poverty alleviation activities on an industrial scale and establishment of community common facility centres (CCFCs);
- capacity building of various stakeholders in handling bamboo, cane & other NTFPs; and
- facilitating marketing through establishing public-private partnership (PPP).

The NCE proposes to acquire Agro Meteorological Instruments. The location will be PMU campus, Agartala, Tripura. The purpose is to provide common Meteorological Data for better understanding of impact of weather on forest plant species. The quotation calls for the offer supply, installation, commissioning, warranty and services of Agro Meteorological Instruments.

2. List of Instruments and their specifications:

2.1. Ordinary Rain Gauge:

Should be Manufactured as per IS 5225:1969 using non corrosive fiber glass reinforced plastic container, this instrument should consists of collector assembled with brass ring, funnel, locking rings and base. The Rain Gauge should be supplied with 4 liter bottle and a measuring cylinder. It have to be available in 200 sq. cms collection area.

2.2. Wind Vane:

Wind Vane have to be manufactured as per IS:5799:1970 which indicates the direction of wind at the point of observation.

2.3. Cup Counter Anemometer (Brass):

Cup Counter Anemometer have to be manufactured as per IS : 5912 : 1970 for measuring wind velocity / Wind Run. Its range should be 0 to 9999.9 km.

2.4. Open Pan Evaporimeter:

It have to be manufactured as per IS : 5912 : 1970.

2.5. Sunshine Recorder:

This recorder should consists essentially of a glass sphere mounted concentrically in a section of a spherical metal bowl, the diameter of which is such that the sun stays are focused sharply on a card held in the grooves, in the bowl. Three overlapping pairs of grooves are provided in the bowl to taken up cards.

2.6. Stevenson Screen (Single):

These screens should manufactured as per IS: 5948: 1970 and should manufactured from best quality Indian Wood and accurately assembled with side louvers.

2.7. Stevenson Screen (Double):

These screens should be manufactured as per IS: 5948: 1970 and should be manufactured from best quality Indian Wood and accurately assembled with side louvers.

2.8. Dial Type Barometer:

It should be 9 mm.

2.9. Thermograph:

This instrument should be manufactured as per IS:5901 - 1970. The instrument should consist of a temperature sensitive Bimetallic element, in the form of S flat script or HLIX, connected by a system of Magnifying linkage to a recording pen moving on a chart which is fixed on a drum driven by clockwork available with mechanical clock.

2.10: Dry Bulb & Wet Bulb Thermometer (Zeal)

Wet & dry bulb hygrometers should be on polished Zinc scale in polypropylene frame with reservoir and spare wicks

2.11. Maximum & Minimum Thermometer (Zeal):

These should be Mercury filled, range -45°C to $+50^{\circ}\text{C}$ in 1°C divisions indicating high and low temperatures.

2.12. Hygrometer:

The Product size should be:108x82x22 mm and LCD display size have to be :68x54 mm.

2.13. Temperature Humidity Logger:

These should be manufactured as per IS: 5948: 1970.

2.14. Soil Thermometer:

It have to be of five different sizes 5cm, 10cm, 20 cm, 30 cm, 60 cm.

2.15. Water Thermometer:

These screens should be manufactured as per IS: 5948: 1970.

3. Warranty: 1 Years against any manufacturing defects.

4. Price: Offer price to include-

- i. Cost of instruments.
- ii. Duties and taxes, if applicable.
- iii. Installation charge.
- iv. Transportation charge.
- v. Packing charge.

5. Payment:

60% Advance and 40% balance against delivery.

6. Delivery time: Within 10 days.

7. Evaluation:

Evaluation of the offer will be on technical and commercial basis considering all conditions and terms of the bid in compliance with points 1 to 6 detailed above. Experience required is –

- a) Only those manufacturer who had supplied instruments for at least 5 weather stations.
- b) Only manufacturer can quote (not traders)
- c) Manufacturer should have ISO certification.

8. Rights:

The NCE reserves the rights to-

- a) Purchases all or any machines listed.
- b) to accept or reject any offer based on technical / commercial evaluation

9. Last date for receipt of bid document is 21/04/2016

The Director,

NTFP Centre of Excellence,

Hatipara Forest Complex

Gandhigram, Agartala-799012

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(Trijesh Debbarma), TFS
Additional Director (NCE)

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