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भारत सरकार
Government of India
कृषि एवं किसान कल्याण मंत्रालय
Ministry of Agriculture and Farmers Welfare
कृषि, सहकारिता एवं किसान कल्याण विभाग
Department of Agriculture, Cooperation and Farmers Welfare
दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान
Southern Region Farm Machinery Training and Testing Institute
ट्रैक्टर नगर, गार्लादिन्ने – 515 731, जिला: अनंतपुर (आं. प्र.)
Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)
[An 9001:2015 CERTIFIED INSTITUTE]

File No. 10-01/2017-CPS

Dated: 4th July ,2018

TENDER NOTICE

Sealed Two Bid Tenders namely Technical Tender & Commercial Tenders are invited by the Director, Southern Region Farm Machinery Training & Testing Institute, Garladinne, Dist.Anantapur (A.P.) from ISO certified manufacturers/agencies or experienced/reputed firms to supply and install the following machinery/equipment/items. The items to be supplied must be exactly as per the requirement of cited Indian Standards/ISO/other relevant standards/our requirements.

Sl. No.	Description	Quantity	Standards
1.	VIBRATION ANALYZER as per the Specification Sheet enclosed	One No.	IS:9935:2002

- All tenders must be submitted in the prescribed tender format only, otherwise, these are liable to be rejected by the Institute.
- Tenders should be submitted in sealed covers superscribing the Tender No. and Due Date. **Two bid system will be followed.**
- The Tender document can also be downloaded from www.srfmtti.dacnet.nic.in or cpp portal
- The Last date and time for receiving of tenders duly filled is **25.07.2018 at 10.00 A.M.**
- The Technical tenders shall be opened **on 26.07.2018 at 3.00 P.M.**
- The tender received after due date will not be considered at all.
- The commercial tenders of only those firms whose technical specifications are found suitable will be opened in due time.
- As no courier services are available at this Institute, the tenders should be send through Registered post only or otherwise tenders can be put in the prescribed Tender Box personally at this Institute.
- The Director, reserves all rights to cancel any or all the tenders without assigning any reason whatsoever.

Smt.P.Kamalabai
Sr.Agricultural Engineer
For Director

TERMS AND CONDITIONS

1. The tender is to be submitted in two parts i.e **TECHNICAL AND COMMERCIAL TENDER**, separately in two sealed envelopes. The sealed envelopes subscribing **Technical or Commercial** tenders containing Technical & Commercial tenders should be put in another large envelopes should be addressed to the Director, Southern Region Farm machinery Training & Testing Institute, Tractor Nagar, Garladinne, Dist. Anantapur (AP) 515731, The tender should reach this office by registered post or can be deposited in person on or before the due date and time , which is on **25.07.2018 at 10.00 A.M.**
2. **Technical Tenders:** This tender should indicate rates technical specifications/ details of the offered equipment only.
3. **Commercial Tender:** This tender will indicate rates and commercial terms & conditions. The rates should invariably be quoted for delivery at F.O.R destination at site basis i.e at Southern Region Farm Machinery Training & Testing Institute ,Tractor Nagar, Garladinne, Dist. Anantapur (AP) inclusive of packing, forwarding, freight and duly insured. The purchaser will not pay separately for the stores till destination. Taxes, duties and other charges on the above rates if any, should clearly indicated along with commercial bid.
4. The manufacturers are requested to deposit the Bid security of 5% for which the rates have been quoted by them along with commercial tender, in the form of crossed non-interest bearing demand draft drawn on State Bank of India, payable at Anantapur (A.P)(code 0806) and in favour of Director, SRFMTTI, Garladinne dist. Anantapur (AP).
5. Price of the material to be offered should be firm and fixed and is to be F.O.R Destination SRFMT&TI, Anantapur (AP) basis, indicating all taxes and duties.
6. The transit insurance will be the responsibility of the supplier and no separate charges will be paid for it.
7. The validity of tender should be for minimum six months from the date of submitting the tender and it must be expressed and specifically indicated in tender.
8. The time limit for supply of the machinery/equipment/items should be indicated in the tender. The items ordered shall be supplied within the stipulated time mentioned in the Supply Order.
9. **The Director, Southern Region Farm Machinery Training & Testing Institute does not pledge to accept the lowest tender and reserves the right for accepting any tender at his discretion.**
10. It may be noted that the dates of opening of technical and commercial tenders are different as indicated below and that commercial tenders of only those firms whose technical tender have been found suitable will be opened on in due time and the remaining tenders shall be returned un-opened. You are requested to bear in mind the normal terms and conditions.
11. For pre-bid consultation, if required by any one, may be consulted at this Institute.
12. **Failure and termination:-**
 - a) If the supplier fails to supply of the required equipments within the prescribe period, Director, S.R.F.M.T.&T.I, Garladinne may without prejudice to his right recover damages for breach of the contract or damages occurred during supply of equipments. If any equipment/stores or part thereof is found to be below the required specifications or different as mentioned in the quotation, it will be summarily rejected and returned to the supplier at his expenses. If rejected material is not lifted within one month from the date of issue of the communication of rejection, the supplier will have to bear demurrage charges at the rates prescribed by rules.
 - b) Late tender and tenders prescribing any departure from the conditions set forth above will not to be considered.
 - c) Any dispute, arising out of the supply order will be subject to the exclusive jurisdiction of the competent court at Anantapur (AP).

13. **No negotiation will be carried out:** However, the Director, reserves the right to resort to negotiation on price after completing the evaluation of commercial bids under exceptional case where it is observed that price variation is abnormal. Therefore, supplier may quote their firm and final price.
14. Commercial bids will be opened in the presence of the bidder who wishes to be present on the date and time fixed as mentioned in the tender notice
15. Commercial bids prescribing any departure from the conditions set forth; conditional and also PRIMA FACIE ambiguous will be rejected.
16. **The Director, Southern Region Farm Machinery Training & Testing Institute, Garladinne Dist Anantapur (AP) reserves the right to cancel any or all the tenders and also to cancel the entire process without assigning any reason whatsoever.**

- 17 **Installation and Commissioning**

The machinery /equipments offered to be installed and commissioned in the Institute by the supplier.

Spare parts:
Set of spare parts as per supplier's recommendation to be quoted separately.

Manuals:
*Supplier to provide operators/ instruction manuals/spare parts catalogue, calibration certificate (wherever applicable) and accessories.
- 18 **Training of personnel:**

Training to be provided on site during installation/Commissioning especially for instrumentation related personnel. Also during Installation and Commissioning supplier should give the training to minimum two engineers about system theory and description, operating function and instructions, calibration, diagnostics, instrument and system maintenance, safety precautions and general repair/ servicing for each & every items offered by the Institute.
- 19 **Warranty and servicing:**

Warranty term should be minimum 12 months from the date of satisfactory installation & commissioning. The Supplier will have to provide warranty, servicing/ annual maintenance contract for smooth trouble free operation of above equipment throughout their working life (Working life to be specified in terms of working hours).
20. The Institute is under the provision of RTI Act, 2005. All information provided by you under the Act is liable to be disclosed.

Technical Specifications of Vibration Analyzer

1. Suitable for measurement of Mechanical Vibration of components/ assemblies of Power Tiller/ other machines as per IS 9935:2002.
2. Measurement of hand transmitted and whole-body vibration according ISO 5349 & ISO 2631 and IS 5994:1998.
3. Suitable for measurement of mechanical vibration of components/assemblies of Power tiller/other machines in terms of Horizontal Displacement and vertical displacement.
4. Should have Acceleration, velocity and displacement ranges for machine vibration.
5. Should have 4 Low Power IEPE inputs with TEDS for sensors Transducer sensitivity range 0.8 to 120mV/ms⁻².
6. Should have human vibration weighing filters: Wb, Wc, Wd, Wh, Wj, Wk and Wm to ISO:8041
7. Should have band filters as per below:-
 - i. Human vibration: 0.4-100 Hz; 6.3-1259 Hz.
 - ii. Acceleration: 0.2-1500 Hz; 1-1000 Hz.
 - iii. Velocity: 1-100 Hz; 2-1000 Hz. 10-1000 Hz.
 - iv. Displacement: 5-250 Hz;
 - Frequency analysis (FFT)
 - 125 lines for X/Y/Z, Peak spectrum of acceleration.
8. Data memory
10000 manually saved measurements, 100 log files of 32000 measurements each, 1000FFTs, each with date, time and comment.
9. Excel Macro for the calculation of the daily exposure A(8) and report generation.
10. USB interface for data transfer to a PC.
11. TEDS. Support for the automatic sensor detection.
12. Memory for saving measurements by key press.
13. Display of running and interval RMS, maximum RMS (MTVV), vibration dose value (VDV) vector sum, peak and maximum peak value.
14. Fourth channel for SEAT measurements at driver seats.
15. 3-Channel FFT for the detection of main frequencies.
16. Data logger function for RMS or peak values.
17. Measuring inputs
 - 4 Low Power IEPE inputs TEDS for sensors with transducer sensitivity range 0.8 to 120 mV/ms⁻²
 - Human vibration weighing filters: Wb, Wc, Wd, Wh, Wj, Wk and Wm to ISO:8041
18. Sensor – Machine vibration (tri-axial accelerometer)
19. Display – OLED, 128 x 160 Pixels, coloured
20. Batteries – 3 accumulators HR 3 or alkaline cells LRO3 (AAA) 10-14 hours operation.

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Date:

PRICE TENDER FOR SUPPLY OF VIBRATION ANALYZER

Details of Prices: The price of all the items must be quoted exactly as per given below:-

Item Description	Quantity	Unit Price (Rs.)	Cost (Rs.)
Vibration meter			
Taxes levied with details:			
GST(%)			
Packing, Forwarding and Freight charges			
Other(if any)			
Total taxes			
Grand Total			
In Words:			

Place:
Date:

Authorized Signature

Name of Signatory