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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, गार्लदिन्ने 731 515 – , जिला :अनंतपुर) आं .प्र(.

Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)

[An 9001:2015 CERTIFIED INSTITUTE]



File No. 10-09/2018-CPS

Dated: 24th August, 2018

TENDER NOTICE

Sealed Two Bid Tender namely Technical & Commercial are invited by Director, Southern Region Farm Machinery Training and Testing Institute, Garladinne, Dist. Anantapur (AP) from I.S.O. Certified manufacturers/agencies or experienced/reputed firms to supply 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 requirement..

Sl. No.	Equipments	Quantity
1.	PTO shaft based Torque Sensor with inline Fixture mountable type	One No.

1. All tenders must be submitted in the prescribed tender format only, otherwise, these are liable to be rejected by the Institute.
2. Tenders should be submitted in sealed covers super scribing the Tender No, Item Sl. No., and Due Date. **Two bid system will be followed.**
3. The Tender document can also be downloaded from www.srfmtti.dacnet.nic.in and CPP portal . The Last date and time for receiving of tenders duly filled will be **17.09.2018 5.00 P.M.**
4. The Technical tenders shall be opened **on 19.09.2018 at 10.00 A.M.**
5. The tender received after due date will not be considered at all.
6. The commercial tenders of only those firms whose technical specifications are found suitable will be opened in due time.
7. 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.
8. The Director, reserves all rights to cancel any or all the tenders without assigning any reason whatsoever.

(P.KAMALABAI)
Sr.Agricultural Engineer
For Director

TENDERS FOR SUPPLY OF PTO TORQUE SENSOR
AT
S.R.F.M.T.&T.I, GARLADINNE, DIST. ANANTAPUR -515731 (AP)

Tender document No:

Dated _____

From: M/s.

To,
The Director
Southern Region Farm machinery Training & Testing Institute,
Tractor Nagar, Garladinne Dist. Anantapur (AP) 515731

Sir,

With reference to your Tender Notice dated _____ we offer our rates for the supply of -----

S. No.	Name & description of Test Equipment	Make & Model Type of equipment	Whether ISO Certified company	Qty.
1.				

N.B: If required, separate sheet may be added to give more technical details of equipments. These should be on the letter heads duly stamped and signed.

1. leaflets/ technical literature of proposed equipments have been enclosed.
2. The guarantee/warranty for the smooth functioning of the supplied equipment shall be minimum one year from the date of receiving the machinery/equipment/items or Installation.
3. The rates quoted are in Indian Rupees.

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 item No.** containing Technical & Commercial tenders should be put in another large envelopes subscribing **“Technical and Commercial Tender” item No.** for which rates quoted 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 **17.09.2018 5.00 P.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. **Bid Security** will be **5%** of the cost of the equipment. The manufacturers are requested to deposit the Bid security for which the rates have been quoted by them. The Bid Security in the form of crossed non-interest bearing demand draft drawn on State Bank of India, payable at Anantapur (AP) and in favour of Director ,S.R.F.M.T&T.I. Anantapur (A.P)(Code 0806) will have to be deposited along with commercial tender.
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 moths** 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 will have to be installed and commissioned in the Institute by the supplier. 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).

TECHNICAL SPECIFICATIONS OF PTO TORQUE SENSOR

Sl.No	Description
1.	PTO shaft based torque sensor with inline fixture mountable type suitable equipment consist of following: Torque sensor rated capacity: Range 200 kg-m(2000N-M) Type:Strain Gauge based Accuracy: $\pm 0.5\%$ of rated capacity or better Cable Length: 5 meter Speed : Max rpm 2000 & Nominal rpm 1500
1.1	PTO shaft torque, speed measuring transducer with 1" 3/8 x 6 splines
1.2	Digital torque and speed indicator: The indicator will display torque and speed values over 5 digit LED display. Works on 12 VDC supply from vehicle/Tractor. The specifications are as follows: Display: Digital 1. Auto Zero & Tare function provided to zero the sensor initially before taking actual reading. 2. Engineering Unit selection: Key should be provided on board conversion of all engineering units i.e. kg-m, N-m. 3. The unit should have 16 bit ADC and should offer 5 & half digit display. 4. Resolution: Torque – 0.1 kg-m. 5. Resolution for speed: In clockwise and counter clockwise ± 1 rpm 6. Analog output: Proportional for torque&speed 0 to 10 VDC.
1.3	Data logging system for recording torque, speed. All the graphs of torque, speed and power can be viewed and data can be stored in Excel format.
2	Torque rating: 1-2000 Nm
3	Operating speed:2000 rpm
4	Display: Displays torque, power and speed on LCD display
5	Data out put: Digital output USB
6	Extra outputs: RS232 in to handheld indicator, interfacing for simultaneous handheld indicator and USB, Cable&Dongle included for interfacing with RS232 port& supply power to transducer
7	Accuracy:0.1%+ Full scale
8	Sampling rate:2-10 sample per second
9.	Supply Voltage: 12V From vehicle/Tractor
10.	Excitation to torque sensor: 10VDC from indicator
11.	Compatible with: Torque Log software with hand held indicator

Date:

PRICE TENDER FOR SUPPLY OF PTO TORQUE SENSOR

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.)
PTO Shaft based Torque Sensor with inline Fixture mountable type			
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