

Dr. Pradeepta Kumar Sahoo, Principal Investigator  
(SERB Extra Mural Research Project on "Tribological Analysis of a Direct Injection Tractor Engine using Biodiesel, Ethanol and Diesel Blends" – SERB Reference – EMR/2016/002145)  
Department of Farm Machinery & Power  
College of Agricultural Engineering & Technology  
Orissa University of Agriculture & Technology,  
Govt. of Odisha, Bhubaneswar-751003



Letter No: .....

Date: .....

## QUOTATION CALL NOTICE

**Charge Amplifier for Torque Transducer** is required for the project "Tribological Analysis of a Direct Injection Tractor Engine using Biodiesel, Ethanol and Diesel Blends" functioning in the Department of Farm Machinery and Power, College of Agricultural Engineering and Technology, OUAT, Bhubaneswar. The detailed specification is given below. Sealed quotations are invited from interested firms to quote their lowest price along with necessary documents if any on or before 05<sup>th</sup> February, 2019.

Sl. No.	Item	Specification	Quantity
1.	<b>Charge Amplifier for Torque Transducer</b>	Number of channels: 1 , Measurement range pC: $\pm 50$ to 900000, Frequency range: (-2dB) Hz $\approx 18\ 000$ ( $\leq \pm 800$ pC), Time constant: long /short, Connector type: KIAG 10-28UNF, Measurement range adjustment : Continuously variable, Analog output – Operation Network commands PLC configuration, Interfaces EtherCAT : $\mu\text{min } 100$ , EtherNet/IP - $\mu\text{min } 1000$ , PROFINET : $\mu\text{min } 250$ , Operating voltage VDC: 18 to 30, Power consumption W: <4, Operating temperature range $^{\circ}\text{C}$ : -20 to 65, Peak value acquisition, Internal scaling of measurement values	1

Sealed quotations are to be submitted to the undersigned with necessary documents which includes tax clearance Certificate and a photocopy of pan card.

### Terms and Conditions

1. The firms must have the GST registration number and up to-date tax clearance certificate.
2. Payment is to be made strictly on receipt of items of good quality and the services up to satisfaction.
3. The authority reserves right to cancel or change the quotation without mentioning the reason thereof.

Principal Investigator  
(Dr. Pradeepta Kumar Sahoo)