

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

Sl No.	Description of items	Quantity
PUR/61/R&A/AP/E/2020-21		
01.	Tension/Compression Load Cell	01 No.
02.	Torque Guage Sensor 0.5N.m	01 No.
03.	Torque Guage Sensor 10 N.m	01 No.
04.	Load Cell and Torque Guage Amplifier with indicator display All the necessary cables, accessories should be provided. Price of each item should be mentioned in the quote. (Details specifications are mentioned in the ANNEXURE-I)	02 Sets

1. INSTALLATION/COMMISSIONING

1.1. NOT APPLICABLE

2. WARRANTY

2.1. As per standard OEM's terms.

ANNEXURE-I

1. Tension/Compression Load Cell

Load capacity: Min 5N or better to Max 500 N

Accuracy : +/- 0.5% of Full Scale or better

Resolution: 0.1 N

Nonlinearity and Hysteresis: up to 0.15% of Rated Output or better

Safe overloading: 200% or more

Working environment: 0 to 40 deg. C

2. Torque Gauge Sensor 0.5 N.m

Max. torque capacity: 0.5 N.m

Resolution: 0.01 N.cm or better

Accuracy: 0.5% of Full Scale

Safe overloading: 200% of Full Scale

Working environment: 0 to 40 deg. C

3. Torque Gauge Sensor 10 N.m

Max. torque capacity: 10 N.m

Resolution: 0.01 N.m (1 N.cm)

Accuracy: 0.5% of Full Scale

Safe overloading: 200% of Full Scale

Working environment: 0 to 40 deg. C

4. Load Cell and Torque Gauge Amplifier with indicator display (specification for 01 set)

Integrated Display to indicate force/torque in digits with selectable units

Interface to acquire data: USB and/or Serial port

Should be compatible with load cell and torque gauge sensors (Item No.s 1, 2, 3)

Sampling: 2000 data/second or better

If a single amplifier unit cannot be used with the sensors (item No.s 1, 2, 3, any one sensor at a time), separate amplifiers may be offered for each sensor. In such case all these amplifiers will be considered as one set.

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