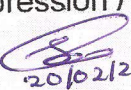


E 4493071

TECHNICAL SPECIFICATIONS DIGITAL LOAD CELL & INDICATOR

Annexure-I

LOAD INDICATOR

01. DISPLAY : 3 1/2 display of red, 7 segments LED of Typical 12.7 mm character height
02. RESOLUTION: One part in 2000.
03. ACCURACY : Within $\pm 0.1\%$ FSR ± 1 count
04. INPUT : From Strain Gauge based Load Cell.
05. NO. OF INPUTS : One (CHANNELS)
06. INPUT CONNECTION : Thro' 5 pin ALLIED connector
07. LVDT EXCITATION : 10 VDC
08. ZERO ADJUSTMENT : Multiturn potentiometer is provided.
09. OUTPUT : Analog output of ± 5 VDC
10. OVERRANGE INDICATION: For readings in excess of 1999, Display indicates -1
11. POLARITY INDICATION : Automatic: + for Compression / - for Tension
12. OPERATING TEMP. : +10 deg C to ~~+45~~⁺⁵⁰ deg C  20/02/2020
13. POWER SUPPLY REQUIREMENT : 230V $\pm 10\%$, 50Hz, AC mains
14. CABINET : Separate Box

(12) (3)
(17)

Annexure II

UNIVERSAL LOAD CELL MODEL:4100 Series

01. TYPE	: Strain Gauge Based
02. CAPACITY	: 1000 Kg
03. STRAIN GAUGE BRIDGE	: Full Bridge.
04. SAFE OVER LOAD	: 125% of Rated Capacity.
05. MAX. OVER LOAD	: 150% of Rated Capacity.
06. FATIGUE RATING	: 1 Million Full Cycles.
07. ACCURACY	: +/- 0.5 % of Rated Capacity or Better.
08. REPEATABILITY	: +/- 0.5 % of Rated Capacity or Better.
09. HYSTERESIS	: +/- 0.5 % of Rated Capacity or Better.
10. EXCITATION	: 10VDC MAX.
11. TERMINAL RESISTANCE	: 350 Ohms (Nominal)
12. TEMP. RANGE	: + 10 Deg C to + 50 Deg.C
13. SENSITIVITY	: 1 mV/V (Nominal)
14. ELECTRICAL	: Thro' a 4 Pin MS Connector.

QUALIFYING REQUIREMENT FOR VENDOR:

01. Vendor shall be OEM for Load Cell for above requirement / range.
02. In-house calibration facility
03. Experience of Similar equipment manufactured & supplied.
04. Support service upto next 10 years.
