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**NATIONAL INSTITUTE OF TECHNICAL
TEACHERS TRAINING AND RESEARCH
- CHENNAI**

CORRIGENDUM

**Subject: Loading Frame 100 TN capacity with side support
Accessories.**

With reference to the above item, the specification has been modified. The update version of specification is enclosed. Please quote for the item as per latest specifications. The other conditions remain same. The last date is 21.01.2019

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Technical Specification for loading frame of 100 T

1. 1 No. Loading Frame of 100T Capacity

Loading Frame that is widely used to test structural elements like columns, beams, portal frames and other structures. Offered frame is manufactured at our highly advanced manufacturing unit under the guidance of our adroit professionals using the best quality basic components and pioneering techniques. Moreover, our prestigious clients can purchase this Loading Frame from us at most reasonable price

Features:

- Durability
- Rugged design
- High strength
- Rust proof

The frame is fabricated from standard rolled sections for assured strength. The skeleton of basic frame is designed as self straining where no load is transferred to the ground except self weight of the frame.

The frame is designed for vertical load of up to the standard range and horizontal load of up to a fifth of the vertical load sale load. Vertical load is general used for testing of major structural elements like beams and columns. The horizontal load is used for stimulating wind load on portal frames, tissues etc. The basic frame consists of

- Top Rectangular Frame (TRF)
- Bottom Longitudinal Ginder (BLG)
- Columns C)
- upper Cross Beams (UCB)
- Lower Cross Beams (LCB)
- The UCB and LCB move along longitudinal
- direction.

Proper placing and positioning of load is ensured by means of the UCB, while the LCB are moved in such a way as to ensure proper span of the member to be tested. Beams, columns and slabs can be tested in the Loading Frame.

Size : 3 mtr width x 2.5 mtr depth x 2.5 mtr High
CAPACITY : 100 TONNE (1000 KN)

Essential Accessories:

- a. Hydraulic Jack
- b. Pumping Unit
- c. Strain Gauge-5mm ; Range - 50mm
- d. Digital Load Indicator Microprocessor Based - 8 channels
- e. Demec -150mm
- f. Dial gauge - Range : 25mm ;Div- 0 to 100;Make : Baker
- g. Clinometer