

THE GANDHIGRAM RURAL INSTITUTE – (DEEMED TO BE UNIVERSITY)
GANDHIGRAM-624 302-DINDIGUL DISTRICT- TAMIL NADU
(Ministry of Human Resource Development, Govt, of India)
Accredited by NAAC with ‘A’ Grade (3rd Cycle)
CENTRE FOR RURAL TECHNOLOGY



Dr.K. MAHENDRAN, M.E(Struct),. Ph.D
Professor & Director

GANDHIGRAM – 624 302
Phone :0451- 2452371 Ext:2114, 2046,2146
Email:rtcdirector.gri@gmail.com

Ref: GRI-CRT / 2018-19

11.03.2019

To

The Companies Concerned,

Sir,

Sub: GRI-RTC-B.Tech Civil Engineering Programme – Quotation called for supply of Loading Frame and its accessories– reg.

For and on behalf of Gandhigram Rural Institute, Gandhigram, quotations are invited for the supply of Loading Frame and its accessories are as listed

The terms and conditions for the quotations are as below

1. The rate should clearly indicate the Unit / No
2. The rate should specify whether it includes duties, taxes, packaging and forwarding charges and discounts if any.
3. If the rates are exclusive of the items mentioned against (ii), the rate at which these items will be charged should also be specified wherever possible
4. The period up to which the materials / equipments are guaranteed should be specified. The amount chargeable as annual maintenance charges after the guarantee / warranty period should be indicated separately.
5. The nearest service point should also be indicated separately.
6. The offer should be as far as possible from ready stock.
7. Where the offer is not from ready stock, the period before which supply will be effected should be indicated.
8. All Specifications should clearly be mentioned
9. The mode of payment should be specified.

10. Payment will be made within two weeks from the date of receipt of materials and duly certified by the officers concerned with in two weeks of the satisfactory completion of the work.
11. Validity of the offer should normally be for 60 days from the date of offer. If otherwise, the period should be specifically mentioned in the offer.
12. Quotation should be addressed to

**The Registrar
Gandhigram Rural Institute
Gandhigram – 624 302**

and should be sent in a sealed envelope super scribing “**Quotation For The Supply of Loading Frame**” for Centre for Rural Technology centre last date **18/03/2019**. The address in the envelop should however be as below

To
The Director
Centre For Rural Technology,
Gandhigram Rural Institute,
Gandhigram – 624 302.

Quotation will be received up to 3:00 pm on **18/03/2019**

Copy to

1. List of company concerned
2. The Registrar, GRI, for favour of information
3. Copy to file

Thanking you,

Yours faithfully,

[Handwritten Signature]
11/3/19
Director



SPECIFICATION FOR LOADING FRAME & ACCESSORIES:

S. no.	Product Description	Qty
1.	<p>Loading Frame with side support Height: 4.5m Span: 2.2M Capacity:100Ton Accessories included in the supply: a) Jack Mounting Plates -1 no. b) Jack Mounting Channel Box - 1 no. c) Specimen support Plates -2 nos. Experiments: 1. Testing Beam up to 2 meter length and height 400mm 2. Slab Testing 1000mmX1000mm 3. T beam joint testing (beam Column testing) 4. Wall testing 1000mm X 1000mm 5. Column Testing up to 100X100 x1000mm height 6. Provision for testing 2 story Frame 7. Testing Masonry wall testing 1000mm X 1000mm</p>	1 no.
2.	<p>Loading Frame with side support Height: 3m Span: 2.2M Capacity:50Ton Accessories included in the supply: a) Jack Mounting Plates -1 no. b) Jack Mounting Channel Box - 1 no. c) Specimen support Plates -2 nos. Experiments: 1. Testing Beam up to 2 meter length and height 400mm 2. Slab Testing 1000mmX1000mm 3. T beam joint testing (beam Column testing) 4. Wall testing 1000mm X 1000mm 5. Column Testing up to 100X100 x1000mm height 6. Provision for testing 2 story Frame 7. Testing Masonry wall testing 1000mm X 1000mm</p>	1 no.
3.	<p>Accessories :</p> <p>Jack Mounting arrangement 20 ton jack</p> <p>Specimen support stools (Ht: 300mm) –</p> <p>Specimen support stools (Ht: 200mm)</p> <p>Roller Supports to support beam at both ends (hinged roller)</p> <p>Fixed Roller Supports to support beam at both ends fixed roller(hinged roller)</p> <p>Two point load beam ISMB 150X 500mmLG- 1 no</p> <p>Two point load beam ISMB 200X 1000mmLG- 1 no</p> <p>Slab Testing Frame up to 1000mmX1000mm</p> <p>Masonry valet Test frames – 2 nos.</p> <p>Column Testing box top and bottom to check max 100X100 square column</p> <p>Column testing Plate with center ball top and bottom</p> <p>Spacer plate 150X150X20mm</p> <p>Tools for assembling and dismantling</p> <p>2 Ton Chain Pulley Block with 5 meter chain</p>	<p>1 set</p> <p>2 nos.</p> <p>2 nos.</p> <p>2 nos.</p> <p>2 nos.</p> <p>1 no.</p> <p>1 no.</p> <p>1 no.</p> <p>1set.</p> <p>1 set</p> <p>1 set</p> <p>4 nos.</p> <p>1 set</p> <p>1 no.</p>

4.	<p>Motorized Hydraulic Jack – 100T capacity suitable for 100 TON LOADING FRAME.</p> <p>Hydraulic Remote type Jack - 100 Ton Capacity : 100 Ton, Type : Double acting Stroke Length : 150 mm Base Plate 400mm X 400mm & Handle</p> <p>Hydraulic Power Pack with Control Panel 3/8 Hose in the length of 8 meter - 2 nos. Hydraulic 68 grade oil</p>	1 no.
5.	<p>Motorized Hydraulic Jack – 50T capacity suitable for 100 TON LOADING FRAME.</p> <p>Hydraulic Remote type Jack - 50 Ton Capacity : 50 Ton, Type : Double acting Stroke Length : 150 mm Base Plate 400mm X 400mm & Handle</p> <p>Hydraulic Power Pack with Control Panel 3/8 Hose in the length of 8 meter - 2 nos. Hydraulic 68 grade oil</p>	1 no.
6.	<p>Hand Operated Hydraulic Jack – 50T capacity suitable for 50 TON LOAD FRAME.</p> <p>Type : Double acting; Stroke Length : 150 mm Base Plate 300X300X16mm & Handle 1 no. Hand Operated Hydraulic Pump with Accessories High pressure hydraulic jack hose 3/8" - 2 nos.</p>	1 no.
7.	<p>Hand Operated Hydraulic Jack - 25T capacity to test column and beam joints in 50 ton Loading Frame.</p> <p>Type : Double acting; Stroke Length : 200 mm Hand Operated Hydraulic Pump with Accessories High pressure hydraulic jack hose 3/8" - 2 nos. Base Plate 300X300X16mm & Handle 1 no.</p>	1 no.
8.	<p>Load Cell Compression type Capacity 25 Ton With 10 meter Cable with connector</p>	1 no.
9.	<p>Load Cell Compression type Capacity 50 Ton With 10 meter Cable with connector</p>	1 no.
10.	<p>Load Cell Compression type Capacity 100 Ton With 10 meter Cable with connector</p>	1 no.
11.	<p>AC LVDT with magnetic stand – Make : AGMPL Model: 025 AS Measuring range: 0 to 50 mm; 10 meter cable</p>	2 nos.
12.	<p>AC LVDT with magnetic stand – Make : AGMPL Model: 050 AS Measuring Range: 0 to 100 mm; 10 meter cable</p>	2 nos.
13.	<p>Strain Gauge – general application</p>	1 pkt.

	(foil type, gauge length: 5 mm; 350 Ω , 20 nos. /packet)							
14.	Strain gauge -for Concrete applications- 1 meter lead wire (gauge length: 20mm, 120 Ω , 10 nos./packet)	1 pkt.						
15.	<p>Universal input 16 Channel Data Acquisition System - Model: AI8000+ consisting of:</p> <ul style="list-style-type: none"> ▪ 19" Master Unit Cabinet with USB interface ▪ Application Software for Data Acquisition System <p>Input:</p> <table border="1" style="width: 100%;"> <tr> <td>1/2/4 arm Strain gauges</td> <td>Load cells</td> </tr> <tr> <td>Strain Gauge Rosettes</td> <td>0 to \pm 300mV/ 3V</td> </tr> <tr> <td>Thermocouples (J, K, T, E, R, S, B)</td> <td>AC LVDTs</td> </tr> </table>	1/2/4 arm Strain gauges	Load cells	Strain Gauge Rosettes	0 to \pm 300mV/ 3V	Thermocouples (J, K, T, E, R, S, B)	AC LVDTs	1 no.
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Strain Gauge Rosettes	0 to \pm 300mV/ 3V							
Thermocouples (J, K, T, E, R, S, B)	AC LVDTs							
16.	<p><u>HYDRAULIC MANUAL STACKER</u> Capacity : 2Ton; Lifting Height: 1600mm</p>	1 no.						
17.	<p><u>Digital Demec Gauge</u> Least count -0.002 x 5mm</p>	1 no.						
18.	Loading Indicator 3 channel with selector switch	1 no.						
19.	Rebound Hammer for concrete strength testing	1 no.						