



Indian Institute of Technology Madras
Chennai-600 036
Department of Civil Engineering

Ref No: CIE/AMEH/2012/ENQ/SPLX /PROJ

Dt: 21st September 2012

Sub: Quotations for Hydraulic Torque Wrench
(As per enclosed Specification)

DUE on: 26.9.2012

Sir/Madam,

- 1 Quotations are invited **in duplicate** for the **item shown as per enclosed Specifications**.
2. The quotations duly sealed and super scribed on the envelope with the enquiry reference No. & due date and should be addressed to the **Project coordinator**, ,so as to reach **on or before the due date**.
3. The quotation should be valid for **(60) Sixty days from the due date and period of delivery time** required.
4. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the quotations, **whenever applicable**. Samples if called for, submitted free of charges and collected back at the suppliers expenses. Additionally, **the required information as per specifications are to be provided by the firm** participating in this tender
5. **Local Firms**:-Quotations should be for **free delivery to this Institute**. If Quotations are for EX-Go down, delivery charges **should be indicated separately**.
6. Firms outside Chennai: Quotations should be for F.O.R. Chennai. If F.O.R. Consignor station. Freight charges by Train/Lorry/Air/Ship transport must be indicated. If Ex-godown, packing Forwarding and **Freight charges must be indicated**.
7. The rate of **Sales/General Taxes** and the percentages of such other taxes legally leviable and intended **to be claimed should be distinctly shown** along with the price quote. Where this is not done, **no claim** for sales/General taxes **will be admitted at any later stage** and on any ground whatever. The taxes leviable should take into consideration run with no profit motive and which necessary **Concessional Sales Tax Certificate would be issued at the time of passing the bill**.
8. Goods should be **supplied carriage paid and insured**.
9. Goods shall not be supplied **without an official supply order**.
10. **Warranty period**: Explicitly Warranty period is to be given for One year by the firms

PROJECT COORDINATOR

Specifications for Hydraulic torque wrench

A hydraulic torque wrench is required with power head of 230V.

It should be able to operate bolts of size varying from A/f 45mm to A/f 60mm with a torque range of 900 to 6,000Nm. For this, a single link of 60mm is preferred. Also, reducers for operating bolt sizes of 46mm, 50mm and 55mm are required for the link.

For gripping while tightening, an extended reaction arm of length not less than 20" and a C-pad is required.

The other features of torque wrench required are:

- Double acting
- Small radii (less than 20mm) and low height (less than 200mm)
- Maximum operating pressure should not be less than 1000psi (700bar)
- Weight should be less than 3.5 kg.

The pump should be equipped with guage bar. Also, it should have a remote control. The weight should be less than 35 kgs.