

Department of Mechanical Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi 110016

Date: 04/05/2012

Sub: Notice Inviting Quotation (NIQ) for Welding Pipe Rotator and Pipe Positioner.

Standing Purchase Committee invites sealed quotations in two bid format (Technical and Price bids sealed separately and mailed together in one envelope) for **Welding Pipe Rotator and Pipe Positioner** with the following specifications:

Welding Pipe Rotator

Rotating Capacity (Drive Unit):	200 Kg
Load Carrying Capacity (Drive Unit):	100 Kg
Load Carrying Capacity (Idler Unit):	100 Kg
Job Diameter Range:	300 - 400 mm
Speed Range (Surface speed of Roller):	75 to 1000 mm/Min
Type of Speed Controller:	AC Variable
Capacity of Drive AC Motor:	0.5 HP / 1440 rpm
Power Supply:	230/1/50 (V/Ph/Hz)
Polyurethane Roller size:	200 mm Diameter / 100mm wide
No. Of Polyurethane Roller per axle:	2 no.
Overall Length of Drive Unit:	400 - 500 mm
Overall Length of Idler Unit:	400 - 500 mm
Overall Width of Drive Unit:	400 - 500 mm
Overall Width of Idler Unit:	400 - 500 mm
Overall Height of Drive Unit:	400 - 450 mm
Overall Height of Idler Unit:	400 - 450 mm

Welding Pipe Positioner

Capacity in all positions:	25 Kg
Face Plate O.D.:	500 mm
Eccentricity:	30 mm
Centre of Gravity:	50 mm
Speed Range (Variable):	0.7 to 6 rpm
Type of Speed Controller:	AC Variable
Capacity of Drive AC Motor:	0.5 HP / 1440 rpm
Power Supply:	230/1/50 (V/Ph/Hz)
Bed Rotation:	360 Degree
Tilting Range:	± 90 Degree
No. Of Slots:	4 numbers
Overall Length:	500 - 600 mm
Overall Width:	450 - 500 mm
Overall Height:	400 - 450 mm

Complete with fittings, motor pulley, starter plate, length gauge, V-belts with guard.

Other requirements

Welding Pipe Rotator:

1. The Rotator must have the arrangement on drive unit and idler unit for accurate centring and aligning of two pipe pieces.
2. The rotator must be provided with welding torch holder with varying height and length distances.
3. The weight of the pipe piece to be supported on idler and drive unit would be around 200 kg.
4. Supply the detailed technical literature / specifications of the Welding Pipe Rotator. It is a **mandatory** requirement, failing which quotation may be rejected.

Welding Pipe Positioner:

1. The positioner must have the arrangement of clamping the pipe piece on face plate, magnetic clamping strictly avoided.
2. The Positioner must be provided with welding torch holder with varying height and length distances with angular facilitation of the torch.
3. The weight of the pipe piece to be supported on face plate would be around 50 kg.
4. Supply the detailed technical literature / specifications of the Welding Pipe Positioner. It is a **mandatory** requirement, failing which quotation may be rejected.

Terms and conditions

1. Taxes as applicable shall be indicated clearly.
2. Cost shall be on CIF at IITD, New Delhi basis.
3. IITD is exempted from the payment of excise duty. The exemption certificate will be provided. Therefore the firm is requested to provide the basic price and the rate of excise wherever applicable.
4. Indicate delivery period and warranty.
5. Terms of payment shall be clearly indicated in the offer.
6. The rate quoted shall be inclusive of installation, commissioning and training required.
7. Failing to supply equipment in time will attract damages as applicable.
8. IITD reserves the right to accept or reject any or all quotations without assigning any reason.

The last date of submitting quotation: 24/05/2012 latest by 05.00 PM at the following address.

Chairman, SPC
Room No.: WS-104, Welding Laboratory
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