

Sr.No	Description/ Specification/Cat/ Administrative Stores.	Quantity Required	
1	2	3	
1	<p>Two Roll Precision Rod Straightening Machine</p> <p><u>Technical Specifications</u></p> <p>Straightening speed upto 15 m/min (infinitely Variable)</p> <p>Direction of feed: Reversible</p> <p>Coolant/Lubrication system included</p> <p>Digital Indication of Machine Parameters</p> <p>Pressure: Preferably Pneumatic (Adjustable)</p> <p>Top Roll Vertical Adjustment: Motorised with indication on display</p> <p>Roll Angular Adjustment: Motorised with indication on display</p> <p>Guide Bar Height Adjustment: Motorised with indication on display</p> <p><u>Input Material Specifications</u></p> <p>Diameter = 20-40 mm</p> <p>Length = 1.5 - 3.5 m</p> <p>Cross Section = Round</p> <p>Material = Different grades of steel / Stainless Steel</p> <p>Condition = As rolled / As cold drawn</p> <p>Initial Straightness = 5mm/m</p> <p>Yield Strength of feed material at 25C = 40×10^3 PSI</p> <p><u>Final Product Specifications</u></p> <p>Final Straightness = 0.25 mm/m (or better)</p> <p><u>Shop Floor Details</u></p> <p>Temperature = 5 - 50 °C</p> <p>Relative Humidity = 60 - 90 %</p> <p>Pneumatic Connection = max. 8 bar</p> <p>Electrical Connection = 380 Vac, 50Hz/ 220 Vac, 50Hz</p> <p><u>Literature (English)</u></p> <p>Machine Literature</p> <p>User Manual</p> <p>Complete Installation guide</p> <p>Maintenance Manual Including Preventive maintenance</p> <p>Elelctrical Schemes / Diagram</p> <p>Pneumatic / Hydraulic Schemes / Diagram</p> <p>Foundation Layout with machine and services position</p> <p>Electrical layout with Electrical cabinets and other components</p> <p>Electrical spare Parts List including vendor and product specifications of each part</p> <p>Mechanical Wearable Parts List including technical drawing or vendor name and specification, which ever is applicable</p> <p><u>Spares</u></p> <p>Entry / Exit Guides, Bearing & Spare Set of Rolls etc.</p> <p>Make: Japan, Taiwan, Korea, -</p>	1	set
	<p>Machine Literature</p> <p>User Manual</p> <p>Complete Installation guide</p> <p>Maintenance Manual Including Preventive maintenance</p> <p>Elelctrical Schemes / Diagram</p> <p>Pneumatic / Hydraulic Schemes / Diagram</p> <p>Foundation Layout with machine and services position</p> <p>Electrical layout with Electrical cabinets and other components</p> <p>Electrical spare Parts List including vendor and product specifications of each part</p> <p>Mechanical Wearable Parts List including technical drawing or vendor name and specification, which ever is applicable</p> <p><u>Spares</u></p> <p>Entry / Exit Guides, Bearing & Spare Set of Rolls etc.</p> <p>Make: Japan, Taiwan, Korea, -</p>		N/A

* Preshipment inspection of equipment & Training of our two personnel for installation, commissioning

Note: * Test run of few samples at supplier's site.

* All prices must be quoted on C&F Karachi Basis.