



Bharat Heavy Electricals Limited

UNIT:TIRUCHIRAPPALLI

MACHINERY / EQUIPMENT WANTED

BHEL intends to procure special purpose welding, forming, turning, cleaning & painting, material handling and NDT equipment under the Capacity Augmentation Scheme for its Boiler Manufacturing Plant at Tiruchirappalli. The list of machinery/equipment proposed to be procured is given below. Leading manufacturers/suppliers are requested to visit the Tender pages on BHEL's website (<http://www.bhel.com>) or the Govt. Tenders website (<http://tenders.gov.in>) regularly over the next few months to obtain detailed specifications, etc. of each machinery/equipment as and when they are posted on the above websites.

Sl.No.	DESCRIPTION	QTY.
1	Mechanised Drum 'U' Shell & Rolled Shell Shot Blasting Station with Handling Facility	1
2	Variable Speed Job Rotator (Variable Speed) for Cylindrical Vessels	3
3	500 Amps. (60% Duty Cycle) MIG/MAG (CO2 Gas) Welding Power Source with Special Welding Torches	67
4	600 Amps (100% Duty Cycle) Manual Arc Welding Machines	16
5	Milling Head attachment & other related drives for Double Column Planing Machine	1
6	Tube Bending, Tube Parting & Edge Preparation Machine with Material Handling Facilities	1
7	500 Amps (60% Duty Cycle) General Purpose Welding Machine - Inverter Controlled	27
8	350 Amps Multi-Purpose Welding Machine - Inverter Controlled	41
9	300 Amps (60% Duty Cycle) Manual Pulsed TIG Welding Power Source (with upslope & downslope) - Inverter Controlled	32
10	Header Pipe/Fittings Butt Welding Station (Welding Power Source & Head, Job Manipulator, Flux Recovery and Recycling Units)	2
11	CNC Header Pipe/Fittings Sizing & End Preparation Machine (800 mm Capacity)	1
12	CNC Heavy Duty Pipe Edge Preparation Machine - 1200 mm OD with Turntable Arrangement	1
13	CNC Multi-Plane Pipe Cold Bending Machine - up to 219 mm Dia (OD)	1
14	CNC Pipe End-Chamfering Machine (up to Dia 200 mm) with Turntable Arrangement	3
15	CNC Pipe End-Chamfering Machine (up to Dia 600 mm) with Turntable Arrangement	1
16	CNC Pipe End-Chamfering Machine (up to Dia 900 mm) with Turntable Arrangement	1
17	50 T - Double Bogie Car Bottom Furnace - Gas Fired	1
18	Panel Processing Machine - 20 Torch - MIG/MAG Welding with Fin Calibration - Fume/Flux/Slag Recovery Units	1
19	Straight Tube Butt Welding Machine with TIG + MIG Welding and Tube Handling Facility	2
20	High productive Tube Sizing & Edge Preparation Station - Length up to 15 M	1
21	Hydraulic Pullout Machine for Panels	1
22	SYSTEM BENDER for Tube Coil Formation with 72 Mtr. Long built-up Tubes & Handling Unit	1
23	High Productive Orbital Tube Welding Station for RH & SH Coil Formation	4
24	High Temperature (Solution Annealing) Furnace with Handling Facility - Electric Fired	1
25	Continuous Discharge Furnace for Stress Relieving with In-feed & Out-feed Facility	1
26	CNC Tube Bending Machine with Multi-Plane Bending Provision	2
27	Flash Butt Welding Machine with Process Monitoring Facility - for Coil Formation	1
28	Tube Heating, Squeezing and Sizing Station with Induction Heating	2
29	Stand Alone Panel Flipping Station for Tubular Panels	1
30	Tube Insert Scarfer	8
31	Tube End Scarfer	12
32	Rotoblast Station with Handling Facility for Tubes	1
33	Valve Wedge Slitting Machine	1
34	10 Ton Car Bottom Type Stress Relieving Furnace	1
35	Special Purpose Valve (Hydro) Test Station	1
36	Powered Movement Trolleys of capacities 75T, 50T & 20T - low voltage electric supply	14
37	EOT cranes: Capacity 5T to 25T, Span 16.75M to 30M, Lift 8M to 14M with radio remote control & VVVF drives	14
38	Gantry Crane: Capacity 20T, Span 32M, Lift 12M with radio remote control & VVVF drives	1
39	Semi-Gantry Cranes: Capacity 3T to 5T, Span 11M to 16M, Lift 5M to 8M	12
40	Image Intensifiers for existing RTR Station with Tube Handling Device	2
41	New FT Station (320 KVA X-Ray Unit) with Imaging & Tube Handling System	2
42	Automatic High Energy Impact Tester	1
43	Vacuum Spectrometer	1

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