

Annexure-A

Schedule of Requirements

Line Item No	Description/Specifications/Standards	Qty
	<u>Scope of Work:</u> - Repair/Replacement, commissioning, testing and successful <u>MACHINE DETAILS:</u> - ➤ Machine Name: SEAM BUTT Welding Machine. ➤ Year of Installation: 2005. ➤ Ref: No. MO 24368. ➤ Model No. CH 150/S. ➤ Rated Power: 250KVA. ➤ Rated Voltage: 400 Volts. ➤ Rated Frequency: 50HZ. ➤ Control: SY-SOL-HEX version 2.20, 110VDC. <u>PART-A:</u> <u>MECHANICAL SCOPE OF WORK</u> Following Mechanical parts should be replaced with new ones:	
1	Plastic Tee Size 3/4" (as per sample)	12 Nos.
2	PU Pipe 6 x 8mm	100 Ft.
3	PU Pipe 8 x 10mm	100 Ft.
4	PU Pipe 10 x 12mm	100 Ft.
5	PU Pipe 12 x 16mm	200 Ft.
6	Jubilee Clamp 1/2"	36 Nos.
7	Jubilee Clamp 3/4 "	36 Nos.
8	Jubilee Clamp 1"	36 Nos.
9	Bracket Brass threaded block (as per sample)	08 Nos
10	Brass threaded block (as per sample)	12 Nos
11	Water Flow Switch (Turbo type) as per sample.	06 Nos
12	M.S Pipe 1" x 20"	02 Nos
13	Allen Key Bolt 6mm x 50mm	24 Nos
14	Allen Key Bolt 8mm x 60mm	24 Nos
15	Allen Key Bolt 16mm x 50mm	24 Nos
16	Allen Key Bolt 12mm x 50mm	24 Nos
17	File Guide Strip as per sample.	12 Nos
18	File Nose as per sample	12 Nos
19	Sciaky Graphite Grease (black) (950003) ML GI-2	25 Kgs Cane
20	Sciaky White Grease (950002) ML G-2	25 Kgs Cane

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21	Brass Ball Valve 1" (Master Brand)	06 Nos
22	Brass Ball Valve 3/8" (Master Brand)	12 Nos
23	Brass Ball Valve 1/2" (Master Brand)	12 Nos
24	Brass Ball Valve 3/4" (Master Brand)	06 Nos
25	Brass Gate Valve 3/4" (Master Brand)	12 Nos
26	Brass Gate Valve 1/2" (Master Brand)	06 Nos
27	Plastic Elbow as per sample 1. Size: dia = 06 mm. 2. Size: dia = 08mm. 3. Size: dia = 10mm. 4. Size: dia = 12mm. 5. Size: dia = 16mm.	12 Nos 12 Nos 12 Nos 12 Nos 12 Nos
28	Air Regulator and Gauge with Air filter complete fitting Model : AF3000-03, as per sample	06 Nos
29	Bed Safety Cover as per sample	02 Nos
30	Bras Bush (for Electrode Wheel Block carrier) as per sample Size: Length 101mm x 137mm dia Size: Length 111mm x 137mm dia	04 Nos 04 Nos
31	Water Filter Medl No. S.760004.Rs Brand; parker. As per sample	02 Nos
32	Pipe Lock Nipple 10mm as per sample,	12 Nos
33	O Ring for Electrode Wheel Size: 85mm x 05mm	24 Nos
34	Steel Square Cutter Size 22x22x100mm (as per sample).	12 Nos.
35	Reducer Elbow Size: 10mm (as per sample).	24 Nos.

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PART B:**ELECTRICAL SCOPE OF THE WORK:-**

- I. Rectification of Magnetic Table as it demagnetizes during welding operation.
- II. Rectification of welding electrode as it overheated during operation.
- III. Rectification of water circulating/water cooling system as to ensure the proper cooling of machine
- IV. Complete re-commissioning of Machine.
- V. Any other software or hardware faults, if any.

<u>ELECTRICAL ITEMS/MATERIAL TO BE PROVIDED AS SPARES:</u>		
I. Walker Brailon Magnetic Power supply, type BUETC 2500 w, rated 150 Vac, current 22.7A, output voltages 110 VDC, Serial NO407200-A, Frequency 50/60 HZ. Make: Walker Brailon France or equivalent (Latest Compatible).		01 Set.
II. Proximity Sensors IF5675 weld field immune, Part No.1P67, 4mm, hersteller:ifm, 10-36 VDC, 250mA, Inductive sensors. Make: SIAKY (England), SEMENS (Germany) or equivalent.		02 Nos.
III. Main MCCB type circuit Breaker 400mps, 440 Volts, Make: ABB (Sweden), Schneider (France), SIMENS (Germany) or equivalent.		01 No.
IV. Pedal Switches for Table Magnetization and demagnetization		02 Nos.
Cabinet type DC Inverter type Air conditioner, 02 TON (24000BTU), 240 Volt AC, 50 Hz,-25 C to 65 C. Make: Haier, Gree, orient or equivalent.		01 No.

1. Firm will responsible for successful operation after complete overhauling/re-commissioning of Machine.
2. Firm must provide 02 years free of cost Warranty since Machine put in operation after successful
3. Firm must provide demanded electrical items as spares with same required brand and specification or latest compatible. The firm must quote rates of optional spares separately.
4. Firm must provide backup software alongwith its installation and operation training.
5. Firm must provide mechanical maintenance/overhauling and troubleshooting to CFI maintenance staff.
6. Firm must provide at least two completion certificates of overhauling/up-grading/maintenance of similar type of machines or other major plants and machinery in
7. Firm shall be responsible for rectification of any fault during warranty period, Free of cost alongwith replacement of
8. A committee of DY: CEE/CFI, WM/CFI and SME/Project will monitor the progress of work according to specified scope of work.

9. The committee will certify completion as per scope of work and successful Machining operation of BUTT SEAM WELDING MACHINE No.416 which will lead towards payment accordingly.