

TECHNICAL SPECIFICATIONS**1. SCOPE OF WORK / SUPPLY**

Supply, Installation, Testing, Commissioning, Training and Warranty Support of CNC/Automatic Beam Welding Machine (Pull Through Welding Machine) complete with all standard accessories, equipment, control system, drawings and documentation.

Quantity: One (01) Complete Set

The machine shall conform to the requirements stipulated in the latest revision of RDSO STR Document No. BS-S-7.5.3.1-4 (Version 5.0) for registration of firms for fabrication of steel girders at BBJ Heavy Plant Yard (HPY).

2. TECHNICAL SPECIFICATION:

Web Height	250-1500
Web Thickness	4-35mm
Flange Width	150-600mm
Flange Thickness	5-25mm
Work-piece Length	2.5~13m
Web Taper Angle	15°
Voltage	415V/50/60Hz, 3Ph
Weld Size (Fillet)	4-12mm
Welding Speed	3-4m/min

3. KEY COMPONENT LIST:

No.	Description
1	Vertical flange Guide roller assembly at the entry of Main Machine
2	Fixed Guide roller and moveable top roller for flange Guiding at the entry of Main
3	Pull through welder with fixed and moving device wheels with electrically controlled
4	Hydraulic powered web lifter
5	Hydraulic Operated web clamping Unit
6	Hydraulic Operated Web/Flange Assembly Clamp with adjustable Clamping
7	Hydraulic Operated Web and Flange guide unit for welding torch
8	Flux Recovery Units
9	Fixed bottom roller and Moveable top roller for flange guide at the exist
10	Hydraulic Power Pack Unit
11	Current Collector in both Moving and Fixed Sides attached to the pull Through
12	PLC Controlled Panel and control Pendant
13	Top Platform for placement of flux recovery Units, control panel, wire spool
14	In feed conveyor to main machine
15	Out feed conveyor: 4 Nos. (Each of 3 meter)
16	SAW Power Source: 2 Nos.

4. Civil drawings/ Foundation drawings to be provided by Seller