



**FITWELL FASTENERS AND FITTINGS
INDUSTRIES**

Backside Nirankari Bhawan, Dharour, Dehlon Road, Sahnewal,
Ludhiana-141120, Punjab (INDIA)

Doc. No:
FW/QAP/RDSO/01
Version: 00
Date of Issue: 01.12.2024

Requirement of M&P/T&P as per Specification / STR / IS

S. No	STR Para No.	Requirement of M&P/T&P as per STR		Details of the M&P/T&P available with the firm				
		Name of M&P/T&P	Range / Capacity of M&P/T&P	Name of M&P/T&P	Make	Machine no.	Year of Make	Range/ Capacity
1	5.1	Continuous Heat Treatment Furnace (Hardening, Oil Quenching & Tempering)	150 Kgs per hours	Continuous Heat Treatment Furnace	QUARTET	CF-01	2022	150 Kgs per hours
2	5.1	Cold Forging Machine with Min & Max Dia X Length	Dia M12 to M24 Length upto 200mm	Heading Machine	SAMRAT / STEEL GRIP	HM-01 / HM-02/HM-03	2024	Dia M12 to M24 Length upto 200mm
3	5.1	Hot Forging Machine with Min & Max Dia X Length	Dia M16 to M64 Length upto 500mm	Hot Forge	DHARAM	HF-01	2021	Dia M24 to M64, Length upto 500mm
4	5.1	Head Trimming Machine	Dia M12 to M24 (Cold Forge)	Trimming Machine	SAMRAT / STEEL GRIP	TM-01	2022	Dia M12 to M24 (Cold Forge)
5	5.1	Flat Thread Rolling Machines	Dia M12 to M24 (Cold Forge)	Thread Rolling	SAMRAT / STEEL GRIP	FTR-01, FTR-02, FTR-03	2023	Dia M12 to M24 (Cold Forge)
6	5.1	Circular Thread Rolling Machines	Dia M27 to M64 (Hot Forge)	Thread Rolling	HARDEV UDYOG	CTR-01	2023	Dia M27 to M64(Hot Forge)
7	5.1	Centreless Grinding Machine	M12-M64	Surface Grinding	RIAT INDIA	CLG-01	2019	M12-M64
8	5.1	Bend Saw Machine	Dia M27 to M64 (Hot Forge)	Bar Cutting	RIMPACT	BS-01	2024	Dia M27 to M64 (Hot Forge)
9	5.1	Special Purpose Machine	Dia M27 to M64 (Hot Forge)	Machining	LAKHAN	SPM-01, SPM-02	2021	Dia M27 to M64 (Hot Forge)
10	5.1	Automated Extrusion Machine	Dia M27 to M64 (Hot Forge)	Pitch Circular Dia. extrusion	SIMAR UDYOG	EXM-01	2021	Dia M27 to M64 (Hot Forge)
11	5.1	Hydraulic Press Machines for Hardened Washers and DTI Washers	Dia. 12 to M39	Power Press	MILAP/LOCAL	PP-01 to PP-22	2021	M12-M39
12	5.1	Hot Dip Galvanizing facilitates in accordance to ISO 10684 (Latest Revision)	400 Kgs per Hrs	HDG FURNACE	MD FURNACE	HDG-01	2022	400 Kgs per Hrs
13	5.1	Zinc Flake Coating facilitates in accordance to ISO 10683 (Latest Revision)	MOU with M/s Varun Advance Coatings					
14	5.1	Elcometer	0-2000 Microns	Elcometer	Precision	CM-01	2022	0-2000 Microns
15	5.1	Adequate no of measuring instruments (micrometer, dial gauges, Vernier Calipers, GO NO GO Gauge)	Vernier Caliper 0-200mm	Vernier Caliper Gauges Micrometer	Mitutoyo /Bakers	DVC-01 MM-01 RG-01 PG-01	2022	Vernier Caliper 0-200mm Go & No Go (Plug & Ring Gauges) M12 to M64



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			Go & No Go (Plug & Ring Gauges) M12 to M64					
16	5.1	Automatic Weigh Scale	1 Kg to 2000 Kg	Weighing Scale	TURBO	WS-01	2012	1 Kg to 2000 Kg
17	6.1	Profile Projector to check Thread Profile	200mm x 100mm	Profile Projector	Fine Instruments	PP-01	2022	200mm x 100mm
18	6.1	Spectroscope (for Chemical Composition testing)	28 Elements	Spectroscope	Yash Analytical	SP-01	2022	28 Elements
19	6.1	Rockwell Hardness Tester	0-100 HRC	Rockwell Hardness (HRC, HRB)	Fine Spavy	RHT-01	2022	0-100 HRC
20	6.1	Vickers Hardness Tester	0-100 HRC	Vickers Hardness (HV)	Fine Spavy	VHT	2022	0-500 HV
21	6.1	Universal /Tensile Testing Machine	0-1000kN	UTM	Fine Spavy	UTM-01	2022	0-1000 kN
22	6.1	Impact Testing Machine	0-300J	Impact Machine	Fine Spavy	ITM-01	2022	0-300J
23	6.1	Metallurgical Microscope for measurement of microstructure	50 Axis to 800 axis	Metallurgical Microscope	Fine Instruments	MM-01	2022	50 Axis to 300 axis
24	6.1	Magnaflux for Crack Detection	2000Amp	MPI	MAGNAFLU X	MPI-01	2022	2000 Amp
25	6.1	Mould Polishing Machine (Single Disc)	5mm-50mm	Polishing	Qualitech Systems	MPM-01	2024	5mm-50mm
26	6.1	Mould Mounting Machine	5mm-50 mm	Mould Making	Qualitech Systems	MMM- 01	2024	5mm-50 mm
27	6.1	Abrasive Cutting Machine	5mm-75mm	Cutting Machine	Qualitech Systems	ACM-01	2024	5mm-75mm
28	6.1	Elcometer	0-1500 Microns	Elcometer	Yuyutsu	DFT-01	2024	0-1500 Microns
29	6.1	Torque Tester	70 – 1380Nm	Torque Tester	GRIPHOLD	TT-01	2022	70 – 1380Nm