GLOBAL STEEL STRUCTURES PRIVATE LIMITED - PLANT MACHINERY, TOOLS AND INSTRUMENTS

S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
1	CNC Plasma Cutting Machine.	CNC Cutting Machines for cutting of raw material. The CNC cutting machine is utilized for high-precision cutting of raw materials with complex profiles. It ensures uniformity, repeatability, and reduced material wastage. These machines are ideal for producing intricate components.	Messer	XPR 460	1	3		Can cut upto 110 mm Thickness capacity (Bed size:32 mts length X 6.5mts Width)
2			Messer	HPR 400	1			Can cut upto 70 mm Thickness capacity (Bed size:32 mts length X 6.5mts Width).
3	CNC Plasma and Oxyfuel Cutting Machine.		Messer	HPR 260XD	1			Upto 45 mm Thickness capacity with Plasma and 300mm using oxyfuel (Bed size:16 mts length X 2.5mts Width).
4	Beamline Welding Machine	Specialized machine used for automatic welding of beams and built-up sections. It ensures consistent weld quality, accuracy, and strength for primary load-bearing members.	Corimpex, Italy	BWM-TC-MD-2500 x 1000	1	1		Submerged Arc / Twin-Arc / Tandem
5	CNC Plate Drilling Machine	Used for precise drilling of bolt holes in plates. CNC drilling ensures exact hole alignment, spacing, and tolerance, which is critical for proper fit-up during site erection.	Asia Machine Group	FSD2040	2	2		Hydraulic radial drilling machine with two spindles, can drill at a time upto 100mm with stacking.
6	Plate Straightening Machine	Used for straightening distorted plates.	Himalayan	NA	1	1		Capacity - 63mm
7	End Milling Machine	End milling machines are used to achieve precise end finishes of girders, beams, and columns. This ensures proper mating surfaces during assembly and erection.	Precitec	Protamill - 2500	1	1		NA

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S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
8	Radial Drilling Machine	A heavy-duty drilling machine used for drilling large-diameter holes in thick plates and fabricated members. Suitable for components requiring flexibility in drilling positions and handling large structural sections.	German Make	NA	1	1		65mm
9	Hydraulic Section Bending Machine	A section bending machine is used to curve metal structural profiles and bars into precise arcs, circles, or spiral coils without collapsing or twisting the cross-section	NA	NA	1	1		Capacity - 300MT, ISMB 600.
10	Hand plasma chamfering machine	A hand plasma chamfering machine (or handheld plasma beveling tool) is a portable metal fabrication device that uses a superheated ionized gas arc to cut precise beveled or angled edges onto metal plates, pipes, and structural components.	Weldzone	NA	1	1		Power source - 200 Amps, Chamefering can be done upto 45 degrees with 55mm depth.
11	Electromagnetic Plate Lifting Machine	This is used to lift the plates while loading, unloading. This reduces the time and skill required to handle the steel plates.	Perfect Magnets	NA	2	2		10MT
12	Electricoverhead crane	An EOT Crane (Electric Overhead Traveling Crane) is an electrically powered industrial lifting system that runs on elevated runway rails to move heavy loads	Shivpra	SWL - 15MT x 4, SWL - 10MT x 2	6	6		SWL 15MT and SWL 10MT
13	Gantry crane	A gantry crane is a self-supporting overhead lifting system featuring a horizontal bridge beam (girder) supported by freestanding vertical legs that typically move on ground-level wheels, tracks, or rails.	Shivpra	SWL - 25MT x 3, SWL - 20MT x 2	5	5		SWL 20MT and SWL 25MT

GLOBAL STEEL STRUCTURES PRIVATE LIMITED - PLANT MACHINERY, TOOLS AND INSTRUMENTS

S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
14	Mobile crane - Farana	A Farana crane is a mobile pick-and-carry crane designed to lift heavy loads and transport them simultaneously without needing stabilizing outriggers.	Escorts	Farana F-15	4	4		SWL - 15MT
15	ARC Welding Machine	An arc welding machine is an electrical device that uses high voltage and current to create an electric arc, generating intense heat to melt and permanently join metals.	Ador -1, Esab - 1	Single phase machine	2	2		
16			SR Advantech - 4, Ador - 6, Esab - 1, Kempi -2	Three phase machine	9	9		
17	SAW Welding Machine	Used for SAW welding.	SR Adventech, Esab, Warp, Mogara	1000Amps, 1200 Amps avaliable	19	19		1000Amps, 1200 Amps avaliable
18	GMAW Welding Machine	Used for the FCAW and GMAW welding.	SR Adventech, Ador, Jasic, Kempi	400Amps and HD 600Amps avaliable	30	30		400 Amps and HD 600Amps.
19	AG 4 angle grinding machine	In metalworking and steel fabrication, "AG4" commonly refers to the standard 4-inch (100mm) angle grinder or its corresponding 4-inch abrasive wheels used heavily throughout the fabrication process	Dewalt, KPT	NA	27	27		NA
20	AG 5 angle grinding machine	An AG5 grinding machine is a portable 5-inch (125mm) electric angle grinder widely used in steel fabrication for heavy-duty cutting, weld smoothing, and surface preparation	Dewalt	NA	25	25		NA

GLOBAL STEEL STRUCTURES PRIVATE LIMITED - PLANT MACHINERY, TOOLS AND INSTRUMENTS

S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
21	AG 7 angle grinding machine	An AG7 grinding machine is a heavy-duty 7-inch (180 mm) handheld angle grinder widely used in steel fabrication for high-removal cutting, heavy weld dressing, and rapid surface preparation.	Dewalt, KPT	NA	25	25		NA
22	AG 9 angle grinding machine	An AG9 grinding machine is a heavy-duty, high-power portable angle grinder featuring a large 9-inch (230 mm) wheel diameter, built specifically for demanding industrial metal removal and heavy steel fabrication tasks.	Dewalt	NA	7	7		NA
23	Magnetic Drilliing Machine	Used for efficient hole cutting in structural steel members. This machine provides smooth and accurate hole finishing and is especially useful for on-site or shop drilling where conventional drilling is difficult	Small - Broach Cutter, Promotech.	Broach Cutter - Cub XL, Promotech - Pro 36.	20	50		Max Dia - 50mm, Max Hole Depth - 50mm
24			Medium - Broach Cutter, Promotech, KPT.	Broach Cutter - Trident Xl, Promotech - Pro 6	16			Max Dia - 75mm, Max Hole Depth - 75mm
25			Big - Broach Cutter, Promotech, KPT.	Promotech - Pro 122T. KPT- KBC 100.	14			Max Dia - 120mm, Max Hole Depth - 100mm
26	Pug Cutting Machine	A portable, semi-automatic oxy-fuel gas cutting device used to make precise, uniform straight, circular, and bevel cuts on steel and other ferrous metal plates.	Esab, BE Enterprises, Beetle	Esab - Esab Pug, BE Enterprises - Konark, Beetle - NA	24	24		Can cut upto 80mm thickness with max travel speed of 800mm/min.

GLOBAL STEEL STRUCTURES PRIVATE LIMITED - PLANT MACHINERY, TOOLS AND INSTRUMENTS

S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
27	GMAW tractor robotic machine	A MIG welding tractor (also called a welding carriage or track tractor) is a motorized, portable mechanical unit that automatically moves a MIG welding torch along a straight or curved path at a steady, controlled speed.	Koike	NA	9	9		
28	Welding Oven 50 Kgs	A 50 kg welding electrode drying oven is a heavy-duty industrial heating cabinet designed to store, dry, and bake up to 50 kilograms of stick welding electrodes (rods), saw flux.	NA	NA	3	3		
29	Impact Wrench	An impact wrench is a high-torque power tool used in steel fabrication to rapidly tighten or loosen heavy-duty bolts, nuts, and fasteners. Driven by compressed air (pneumatic), electricity, or cordless batteries, it uses an internal hammering mechanism to deliver high-rotational force with minimal effort from the operator.	Makita	TW-1000	5	5		Torquing till M30 can be done.
30	Stud Welding Machine	A stud welding machine is an industrial tool used to quickly attach a metal fastener, pin, or bolt directly onto a metal surface without drilling or damaging the reverse side.	Nelson, Arctech, Koko, Trustweld, Weldkon.	Nelson - Netweld 4000, Koko - Kokoelotop 1010, Trustweld -TWE25, Weldkon - WKN-25.	8	8		NA
31	Metalizing Gun	A metalizing gun is a thermal spray tool used to melt metallic wire or powder and propel it onto a surface to create a protective, anti-corrosive, or wear-resistant coating.	Metalizing Equipements	ARCJE1961600	7	7		NA
32	Painting Gun	A painting gun for steel fabrication is a heavy-duty industrial tool used to apply protective coatings, primers, and anti-corrosive paints quickly and evenly onto structural steel components.	Graco, vR Coating	Graco - X Strime X 50, VR Coating - 2GCT4	8	8		

GLOBAL STEEL STRUCTURES PRIVATE LIMITED - PLANT MACHINERY, TOOLS AND INSTRUMENTS

S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
33	Vernier Callipers	A precision instrument used to measure linear dimensions, inner and outer diameters, and depths with high accuracy.	Mitutoyo	Mitutoyo 530-312 Vernier Caliper	5	5		150 mm with least count of 0.02mm
34	5 Metres measuring tape	A 5-meter measuring tape is a compact, flexible hand tool used to measure lengths and distances up to 5 meters.	Freemans	NA	20	20		5 meters measuring tape
35	100 Metres measuring tape	A 100-meter measuring tape is a compact, flexible hand tool used to measure lengths and distances up to 100 meters.	Freemans	NA	10	10		100 meters measuring tape
36	Bridge Cam Welding Gauge	A Bridge Cam Welding Gauge is a versatile, multi-purpose mechanical inspection tool used by welders and quality control professionals to measure critical dimensions of welded joints and surface flaws. Also known as a universal or Cambridge welding gauge, it replaces multiple single-purpose tools with one compact stainless steel device.	Kristeel	Kristeel BCWG Stainless Bridge Cam Gauge	3	3		0 to 60 mm (or 2 inches) for linear measurements and 0° to 60° for angle preparation.
37	Digital Thermometer	A digital thermometer is an electronic tool used in the steel fabrication industry to measure and monitor temperatures quickly and accurately on metal surfaces, welds, and pre-heating processes.	NA	NA	5	5		

GLOBAL STEEL STRUCTURES PRIVATE LIMITED - PLANT MACHINERY, TOOLS AND INSTRUMENTS

S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
38	Dye Penetrant Test Kit	DPT is a popular, low-cost Non-In the fabrication industry, the full form of DPT is Dye Penetrant Testing. It is also widely referred to as Liquid Penetrant Testing (LPT) or Penetrant Testing (PT).Destructive Testing (NDT) method used to detect surface-breaking defects in non-porous materials like metals, plastics, and ceramics. It is most commonly applied in welding fabrication to find hidden flaws such as surface cracks, porosity, pinholes, and weld discontinuities that cannot be easily seen by the naked eye.	NDT Chemicals	NDT-17 (Developer), NDT 18 (Penetrant), NDT 19 (Cleaner).	NA	NA		
39	Dumpy Level	Used to check the levels in order to achive the required camber.	Bosch	Dumpy Level DL-9	2	2		Image : Erect, Magnification: 28X, Telescopic length : 225 mm
40	Surface Roughness Tester	A digital surface profile gauge is a precision hand-held tool used to measure the peak-to-valley height of blast-cleaned or prepared surfaces before coating or painting.	Fujitech	NA	3	3		
41	Surface comparator chart	A surface comparator chart (or surface roughness/finish comparator specimen set) is a physical visual and tactile reference tool used in manufacturing, welding, and field inspection to quickly assess the texture, roughness, or blast profile of a metal surface.	Rubert & Co	No. 130: Composite set of roughness specimens	1	1		
42				Nos. 017, 018: Shot and grit-blasting comparators to ISO 8503	1	1		
43	Wet Film Thickness Gauge	A wet film thickness (WFT) gauge is a precision tool used to measure the thickness of liquid coatings, such as paint, varnish, resins, or waterproofing membranes, immediately after they are applied.	Kristeel	WFTG-3126				25 micorns to 2000micorns in wet film thickness

GLOBAL STEEL STRUCTURES PRIVATE LIMITED - PLANT MACHINERY, TOOLS AND INSTRUMENTS

S. No.	Name of Machinery / Equipment	Description	Manufacturer	Model	Quantity	Total Quantity	Pictures	Specifications
44	Thickness Coating Gauge - Dry Film	A coating thickness gauge is a portable measuring device used to determine the thickness of paint, plating, powder coating, or enamel on metal surfaces without damaging the coating.	Fujitech	NA	5	5		Upto 1300 micorns
45	Air Compressors	An air compressor is a mechanical device that converts power into potential energy by drawing in ambient air and compressing it to increase its pressure	ELGi - 17, Chicago Pneumatic - 1	EG 55-8- 2, EG 37- 3, EG 11 -3, ELGi 10 LBS -9, CPC 60 G -1	18	18		350CFM, 280CFM are used for blasting, metalizing and painting. The 50CFM and below are used in CNC Plasma, Beam Line, hamfering machines, and for torquing.
46	Air Compressor Tanks	An air compressor tank—also known as an air receiver tank—is a pressure-rated vessel used to store compressed air and stabilize system performance.	ELGi	Capacity 3000 litres and 1000 litres.	7	7		Capacity 3000 litres and 1000 litres.
47	Air Dryers	An air compressor tank—also known as an air receiver tank—is a pressure-rated vessel used to store compressed air and stabilize system performance.	ELGi	Elrd 400	7	7		
48	RO (Reverse Osmosis) water plant	A water RO (Reverse Osmosis) plant is an industrial or commercial purification system that forces high-pressure water through semi-permeable membranes to remove dissolved salts, heavy metals, and bacteria.	NA	500LPH Capacity Water Treatment System for Purified Drinking Water based on Reverse Osmosis Technology	3	3		500LPH Capacity Water Treatment System for Purified Drinking Water based on Reverse Osmosis Technology
49	Trailers	Used for the transportation of heavy goods such as raw materials, semi finished goods etc.	Ashok Leyland	U 4019 TT	2	2		Capacity - 40MT
50	Pick Ups	Pick Up is a robust diesel commercial pickup truck designed for heavy-duty cargo transport and logistics.	Mahindra	Mahindra Bolero Pickup Extra Long FB 1.7T	1	1		Capacity - 1.7MT