

বাংলাদেশ শিল্প কারিগরি সহায়তা কেন্দ্র (বিটাক)

ঢাকা কেন্দ্রের সকল বিভাগের মালামালের তালিকা

Machine Shop			
SL No	Machine Name	Specification	Quantity
01	Center Lathe	Maximum Job Length: 144 inch or 3650 mm Maximum Job Diameter: 45 inch or 1145 mm Maximum Load: 01 Ton	24
02	Vertical Lathe	Maximum Job Diameter: 48 inch or 1220 mm Maximum, Job Height/Length : 24 inch or 610 mm Maximum Load:5 ton	01
03	Horizontal Boring	Maximum Boring Diameter: 33 inch or 850 mm Minimum Boring Diameter: 0.2 inch or 5 mm Maximum Job Height: 39 inch or 1000 mm Table Size: 39-inch X 39 inch Maximum Load: 5 ton	03
04	Vertical Boring	Table Size: ϕ 26-inch X 39 inch Height: 17 inch or 1000 mm Maximum Load: 1.5 ton	01
05	Planer	Table Size: 2500 mm X 980 mm Maximum Job Height: 37 inch or 950 mm Maximum Load: 01 ton	02
06	Radial Drill	Maximum Table Size: 93-inch X 45 inch Table to Spindle Head: 85 inch or 2160 mm Maximum Load: 10 ton	02
07	Milling	Maximum Table Length: 30 inch or 762 mm Maximum Table width: 18 inch or 457 mm Maximum Job Height: 14 inch or 355 mm Maximum Load: 200 Kg	11
08	Gear Hob	Maximum Diameter: 36 inch or 914 mm Minimum Diameter: 0.78 inch or 20 mm Maximum Job Height: 15 inch or 380 mm Module: 1-8 Gear Type: Spur, Helical, Worm	02
09	Bend Saw	Table Size: 602 X 602 X 22 mm	01
10	Jig Grinding	Maximum Boring Diameter: 8 inch or 203 mm Minimum Boring Diameter: 0.25 inch or 6 mm Maximum Job Height: 6 inch or 152 mm Table Size: 18 inch X 12 inch	01

11	Jig Boring	Maximum Boring Diameter: 8 inch or 203 mm Minimum Boring Diameter: 0.25 inch or 6 mm Maximum Job Height: 12 inch or 304 mm Table Size: 18 inch X 12 inch	03
12	Surface Grinding	Maximum Job Length: 36 inch or 432 mm Maximum Job Width: 12 inch or 304 mm Maximum Job Height: 24 inch or 610 mm Maximum Load: 40 Kg	02
13	Cylindrical Grinding	Maximum Job Length: 42 inch or 1066 mm Maximum Job Diameter: 12 inch or 304 mm	02
14	Tool Grinder	Table Traverse: 22-inch X 7 inch Vertical Traverse: 10 inch or 254 mm Table Tilt: -3 degree to +10 degree Swivel of Carriage: 360 degree Chuck Tilt: 90 degree	01
15	Welding	Types of Welding: Arc, TIG, Gas, Brazing Types of Metal: Aluminum, SS, MS, Alloy Steel, Gun metal, White metal, Copper, Bronze etc.	07
16	Shearing Machine	Maximum Job Thickness: 5 mm	01
17	Power Rolling	Maximum Job Thickness: 12 mm	01
18	Heat Treatment Furnace	Maximum Job Dimension: 50-inch X 24-inch X 16 inch Metal Type: MS, Alloy Steels Types of Operation: Hardening, Tempering, Annealing, Carburizing	03
19	Hardness Testing Machine	Scale: Rockwell B & C	02

M. S. S.

CNC Shop

SL No	Machine Name	Specification	Quantity
01	CNC Turn Mill	Capacity: Chuck Size 10", Max Cutting Dia. 18", Max Cutting Length 23", Std. Bar Capacity 3.0" Swing diameter: Over Front Apron 31.75", Over Cross Slide 20.75", Over Tailstock 24.25"	01
02	CNC Vertical Machining Centre	Travel: 50" x 26 "x 25"	01
03	CNC Vertical Machining Centre	Travel: 20" x 16 "x 20"	01
04	EDM Machine	Model: NCF606N JSEDM	01
05	Wire Cut Machine	Model: ROBOSTAR W – A 30	01
06	Semi-Automatic Milling Machine	Table size: 600 x 400 x 400 mm	01
07	CNC Router Machine	Step High- 2 S – 720 t Travels: 720 x 420 x 110 mm	01
08	CNC Compact Mill Machine.	Travel: X – 305 mm. Y – 254 mm, Z – 305 mm, Spindle speed 30000 rpm, Tool changer capacity 20.	01
09	Pantograph	Transmission Ratio: Min 1: 10, Max 1: 1.5, Clamping cutter diameter 4 mm -8 mm, Pattern table size: 315 x 450 mm, Working table size: 200 x 315 mm	06
10	Pantograph	Transmission Ratio: Min 1: 10, Max 1: 1.5, Clamping cutter diameter: Max 10 mm, Pattern table size: 300 x 500 mm, Working table size: 200 x 350 mm, Spindle turning speed range: 475 - 9000 rpm	02
11	Pantograph	Transmission Ratio: Min 1: 4, Max 1: 1, Pattern table size: 430 x 600 mm, working table size: 250 x 700 mm, Spindle turning speed range: 80-20000 rpm	01
12	Power Press	Capacity: 18 T	01
13	Hydraulic Press	Capacity: 2150 KN	01
14	Lathe	Distance between center: 1200 mm	01
15	Surface Grinding Machine	Table: 450 x 150 mm	01
16	Milling Machine	Bed size: 300 x 1400 mm	01

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Foundry Shop

SL No	Machine Name	Specification	Quantity
01	Cupola Furnace	Capacity: 2 ton/hr, Fuel: Coal Melting Metal: Cast iron .	01
02	Pit Type Crucible Furnace	Capacity: 100~150kg, Fuel: Natural gas Melting Metal: Non-ferrous metal.	01
03	Tilting Crucible Furnace	Capacity: 100~150kg, Fuel: Natural gas Melting Metal: Non-ferrous metal.	01
04	Electric Induction Furnace	Capacity: 300kg Melting Metal: Iron, Alloy steel, Copper Aluminum, etc.	02
05	Electric Oven	Capacity: Temperature: 300-400°C, Volume 43"×47"×60"	01
06	Sand Mixer Machine	Size: Dia 665mm, Height: 500mm. Uses: Mixing of sand	01



Pattern Shop			
SL No	Machine Name	Specification	Quantity
01	Wood Turning Lathe	1.Length of bed: 6'8" Centre Height: 8" 2.Length of bed: 5'6" Centre Height: 6" Uses: Turning , Tapper turning	02
02	Band Saw Machine	Blade Size: 3580×25×0.9, Cutting Height ≥10" Uses: Cutting of Wood	01
03	Circular Saw Machine	Maximum depth of cut: 3",Circular Saw Diameter:12" Uses: Cutting of Wood	01
04	Bench Drilling Machine	Maximum Drilling Capacity: 13 mm. Uses: Drilling holes through wood	01
05	Mortiser Machine	2 HP, Spindle Speed: 2900, Chisel Size: 13mm×13mm Uses: Square or rectangular holes through wood.	01
06	Disc Outside Sander Machine	Table size: 235×530mm, Disc Diameter: 360mm, Disc speed: 1900 rpm Uses: Outside finishing of Pattern	01
07	Bench Grinding Machine	Surface Speed: 7500 FT./MIN, Wheel Diameter: 8", Power: 550 watt Uses: Polish of wood	01



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