

GLOBAL INSTITUTE OF SCIENCE AND TECHNOLOGY

An institute of ICARE

ICARE Complex, Hatiberia, Haldia-721657

Subject: Purchase of Machineries & Instruments of Mechanical Engineering Department

Following items are given below:-

Sl. No.	Item	Specifications	Qty	Corresponding Lab	For Sem
1	CNC Lathe	Swing Over Bed: ϕ 100 mm Turning length: 200 mm Turning diameter: ϕ 50 mm Turret: 8 Station (Electro-Pneumatic) Control System :PC based (PC to be supplied) Operations can be done: Turning , Boring,Thread Cutting, Drilling etc.	1	Machine Shop	5th
2	Puller	Brand: Taparia Bearing Puller/Pulley Puller with 3 Leg /Jaws Drop Forged Steel Size 12"	1		3rd,4th,5th
3	Universal Dividing Head	Standard Quality Center Height 125 mm Dividing Accuracy +/-4"	1		5th
4	Swage Block	Standard Quality Material: Cast Iron(CI) Size :12 X 12 X 4" Color :Black	1		4th
5	Anvil	Standard Quality Type of Product: Anvil C.I Size: 50 Kgs	2		4th
6	Surface Plate with Table	Standard Quality Size :630x630x100 mm Material:Cast Iron Flatness: 5 Micron Table Height : 3.5 feet	1	Fitting Shop	4th
7	Hand Grinding	Brand: Bosch Item Dimensions LxWxH- 47.5 x 14 x 11 Centimeters Style GWS 2200-180 Power Source Corded Electric	1		4th
8	Working Model OF Hydraulic Braking System	For Working Demonstration Model	1	Automobile Lab	5th
9	Working Model Of Synchronous Gear Box		1		5th
10	Arc welding machine with rectifier	400 ARC WELDING THYRISTOR RECTIFIER Brand & Model:MEMCO (MTW 400) Input (\pm 10%) : 415 V/3 ϕ Frequency : 50/60Hz Cooling : Forced Air Insulation Class : H	1	Welding Shop	1st,3rd,4th
11	Shell & Tube type Heat Exchanger Test Rig	Standard Quality	1	Thermal Lab	4th
12	Separating & Throttling Calorimeter Apparatus		1		3rd
13	Cut section models of i. Dead Weight Safety Valve ii. Steam Injector iii. Feed Check Valve iv. Spring Loaded Safety Valve v. Plate type Heat exchanger vi. Steam Stop Valve	For Demonstration Model	1 each (Total 6 nos)		3rd,4th
14	Air compressor test rig	Usage/Application Engineering Test Rig Type Air Compressor Test Rig (Able to determine Volumetric efficiency and Mechanical Efficiency)	1		4th