

Pabna Polytechnic Institute
Department wise Lab/Workshop Information.

Department Name:- Mechanical Technology

Serial	Workshop/Lab Name	Major Working Area	Major Equipment Information			
01	Machine Shop		SL No.	Equipment Name	Quantity	Function
			01	Lathe Machine	17	Turning, Facing, Boring, Thread Cutting
			02	Milling Machine	03	Milling
			03	Shaper Machine	03	Shaping
			04	Drilling Machine	02	Drilling
			05	Pedestal Grinding Machine	02	Grinding
			06	Power Saw	02	Sawing
			07	Bend Saw	01	Sawing
			08	Universal Toll Grinder	01	Grinding
			09	Surface Grinder	01	Surface Grinding
			10	Hand Press	01	Pressing
02	Welding Shop		SL No.	Equipment Name	Quantity	Function
			01	Arc Welding Machine	10	Arc Welding
			02	Resistance Welding Machine	04	Resistance Welding
			03	TIG Welding Machine	04	TIG Welding
			04	MIG Welding Machine	04	MIG Welding
			05	Gas Welding Set	04	Gas Welding
			06	Drilling Machine	01	Drilling
			07	Pedestal Grinding Machine	01	Grinding
			08	Power Saw	01	Saw
			09	Hand Shearing Machine	01	Shearing
			10	Hand Grinding Machine	03	Grinding
			11	Hand Drilling Machine	01	Drilling

03	Fitting Shop		SL No.	Equipment Name	Quantity	Function
			01	Shearing Machine	03	
			02	Bending Machine	02	
			03	Drilling Machine	02	
			04	Pedestal Grinding Machine	02	
			05	Power Saw	01	
			06	Small Shearing Machine	01	
			07	Hand Drilling Machine	01	
			08	Small Bending Machine	02	
			09	Foot Shearing Machine	06	
			10	Pneumatic Hammer	01	
			11	Circular Cutting Machine	01	
			12	Blacksmith Hopper	04	
04	Foundry Shop		SL No.	Equipment Name	Quantity	Function
			01	Drilling Machine	01	Drilling
			02	Pedestal Grinding Machine	01	Grinding
			03	Cupola Furnace	01	Melting
			04	Crucible Furnace	01	Melting
			05	Electric Oven	02	Heating
			06	Compressor	01	Air Compressing
			07	Weight Balance	01	Weight
			08	Chirpy Test	01	Shear Test
05	Testing Lab		09	Wood Lathe	01	Pattern Making
			SL No.	Equipment Name	Quantity	Function
			01	Universal Testing Machine	01	Tensile, Compression, Shear
			02	Brineil Hardness Testing Machine	01	Hardness Testing
			03	Rockwell Hardness Testing Machine	01	Hardness Testing
			04	Drilling Machine	01	Drilling
			05	Grinding Machine	01	Grinding

			06	Electric Oven	02	Heating
			07	Electric Furnace	01	Heating
			08	Polishing Machine	01	Polishing
			09	Portable Drilling Machine	01	Drilling



