








## LIST OF PLANT & MACHINERY & TESTING FACILITIES



UNIT - 1			
SL no.	Description of Machine	Capacity	PHOTOGRAPHS
<b>A. Hot Forging Bolt Making Plant</b>			
1	Friction screw press hot forging Bolt with oil Fired Furnace	56 mm (250 MT)	
2.	Power press	150 MT	



3.	Power press	60 MT			
4.	Bolt Shanking & pointing machine	52 mm			



5.	Bolt Threading machine	52 mm	
<b>B. Hot Forging Nut Making Plant</b>			
6.	Hot forging nut machine with oil fired furnace	30 mm	
7.	Hot forging nut machine with oil fired furnace	24 mm	
8.	Hot forging nut machine with oil fired furnace	52 mm	


9.	Power press	75 MT	
10.	Automatic Double head nut tapping machine	24 mm	



11.	Automatic single spindle nut cutting machine (For A.T. nut)	16 mm			
12.	Manual Nut Tapping Machine	52 mm			



13.	Centre lathe	8 Ft			
14.	Shaping machine	18 Inch			



15.	Drill machine	½ Inch			
16.	Tool and Cutter grinder	8 dia wheel			



17.	Bench Grinder	8 dia			
18.	Electric Muffle Furnace (For Tool Heat Treatment)	1200°C			



19.	Welding Machine	----			
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<b>C. Hot Dip Galvanizing Plant</b>			
20.	Oil Fired Hot Dip Galvanizing bath with centrifuge for bolts, nuts and washers etc.	20 MT/Day	
21.	Blower, heater, Oil pump	10 HP	
22.	Pollution control system with scrubber, stainless steel Chimney 56 Ft. High x 15 Inch diameter	40 HP	
<b>D. Packing Section</b>			
23.	Bolt & Nut Buttoning Machine	Manual	



24.	Bolt & Nut Automatic Buttoning Machine	16 mm dia		
<b>E. Testing Laboratory</b>				
SL no.	Description of Machine	Capacity	PHOTOGRAPHS	
25.	Universal Testing Machine (0 – 600kN & 0 – 1000kN)	06 to 39mm		



26.	Hardness Tester	60 to 150Kgf			
27.	Vickers Testing Machine	5 to 30 Kgf.			



28.	Proof Load Testing Device	60MT	
29.	Cantilever Testing Device	150 Kgm	



30.	Profile Projector	20X	
31.	Digital Metallurgical Microscope	200X	



33.	Spectrometer	14 Element			
34.	Torque Wrench	50 – 950Nm			



35.	Coating Gauge	0 – 1200µm	
36.	Salt Spray Testing Machine	500mm	



37.	Impact Testing Machine	0 – 300J	
38.	Automatic Temperature control cooling Chamber	-22°C	


39.	Head Soundness Testing Fixture	10 - 25mm		
40.	Micro Vickers Hardness Tester	HV 0.1 - 1.0		



F. Miscellaneous				
41.	Electronic Weighing Scale	0.3 MT		
42.	Generator	125 KVA		

43.	Furnace oil reservoir Steel Tank	20000Ltrs			
44.	Deep tube- Well with pump	280 Ft.			



45.	Over Head Water Reservoir	20000Ltrs.			
46.	Effluent Treatment Plant	0.3 MT			


47.	HDPE Line Tank for ETP Studge	2 MT	
48.	Shot blasting machine for wire rod and rod in coil continuous Drawing	27 mm	



<b>A. Cold Forging Bolt Making Plant</b>				
49.	Bolt Header, Trimmer, Roll Thread Machine	For M16 dia		
50.	Bolt Header, Machine Trimmer, Roll Thread Machine	For M20 dia		



51.	Bolt Header, Trimmer, Roll thread machine	For M24 dia	
52.	Bolt Maker	For M12dia	



53.	Bolt Maker	For M16dia	
54.	Bolt Maker	For M20dia	



<b>B. Cold Forging Nut Making Plant</b>				
55.	Cold forging Nut making machine	18 mm		
56.	Cold Forge Nut Making Machine	16mm		

<b>C. Heat Treatment Plant</b>			
57.	Heat treatment furnace (Sealed Quench type) for Hardening & tempering	1500 Kg per Batch	

<b>D. Drilling Section -</b>				
59.	Double spindle drill	12 mm dia		
60.	Single Spindle drill	16mm dia		


E. Tool Room Section -			
SL no.	Description of Machine	Capacity	PHOTOGRAPHS
61.	Lathe Machine	6 Ft.	
62.	Grinding machine	3 Ft.	



63.	Hacksaw Machine	1 Ft.			
64.	Shaper Machine	24 Inch			

65.	Cutting Machine	---	
66.	Hydraulic press	100 MT	



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**MILL TEST CERTIFICATE EN 10204:2004 UNDER 3.1**

67.	Carbide Dies Remarking and Polishing Set	8 " Dia	
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F. Others-			
68.	Overhead Cranes	5 MT	
69.	Electronic Weighing Scale	200 Kg	



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