

Infrastructure and other resources available

Workshop

LIST OF FACILITIES AVAILABLE (Built- up - Area – 1428.35 sqm)

Major Equipments / Machines available in Workshop (Cost as on date of purchase)

(UPDATED AS ON 21 APRIL, 2007)

Items	Qty	Amount (Rs.)	Items	Qty	Amount (Rs.)
Smithy Shop			Foundry Shop		
1. Smithy Hearths	6	33231.00	1. Sand Sieves 200 mm	1	19888.00
2. Anvil with stand 75 kg.	7	10375.00	2. Moisture Tester	1	4719.00
3. Electric Blower with 3 HP motor	1	2200.00	3. Sand Permeability meter	1	8268.00
4. Bench Vice 100 mm	1	820.00	4. Sand Muller – 5kg capacity	1	29887.00
5. Bench Grinder ¾ HP 2800 RPM	1	2200.00	5. Universal sand strength testing M/c.	1	30159.00
6. Swage Block 75 kg.	1	2590.00	6. Sand Rammer	1	11547.00
7. Shearing M/c.	1	3850.00	7. Mould Hardness Tester range 0-100	1	8975.00
8. Work Bench 6' x 4' x 3'	1	3000.00	8. Core Hardness Tester range 0-100	1	3710.00
Tool Set	18	8225.00	9. Molding M/c. (Hydraulic)	1	14250.00
Welding Shop			10. Furnaces		
1. Spot welding M/c.	1	19944.00	Oil fired Tiling furnace 20 kg. capacity	1	53675.00
2. Welding Transformer Copper wound Air-cooled 6KVA–150 Amp	1	3750.00	b) Pit furnace 5 kg. Capacity	1	--
Amp	1	7750.00	c) Cut out model of Cupola Furnace	1	9000.00
3. Gas Cylinder Oxygen 6.7 cu.mm	1	2420.00	11. Blower 3 H.P. Motor	1	4240.00
Acetylene 41 Ltr.	1	4160.00	12. Lab Balance 5 Kg capacity	1	2968.00
4. Bench vice 100 mm	2	1640.00	weighing M/c. 300 kg capacity	1	18000.00
				21	1518.00
5. Work Bench			Mould Boxes (Diff. Sizes) Lab.Table	2	4000.00
6. Tool Set	2	6000.00	Tool Set	--	2038.00
	18	3117.00			

Major Equipments / Machines available in Workshop Items	Qty	Amount (Rs.)	Items	Qty	Amount (Rs.)
Machine (M/c) Shop					
1. Lathe Machines	21	494168.00	12. Drill tool Dynamometer PE 02	1	13728.00
2. Venus Lathe Machine	1	41000.00	13. Portable Grinding M/c. FF-2	1	3928.00
3. Shaping M/c.3-24'' stroke	1	35750.00	14. Vernier Height Gauge 18'' 12''	1 1	11950.00 4800.00
3-18'' stroke	2	45280.00	15. Spirit Level	1	600.00
3-12'' stroke	2	31752.00	16. Surface Plate 400x 400 mm (C.I)	1 1	1250.00 1440.00
4. Radial Drill Machine	1	17368.00	17. Vernier Calliper 8'' 6''	1 1	1600.00 560.00
5. Bench Grinder	2	4050.00	18. Micrometer 25-50 mm 0-25 mm	1 1	410.00 1937.00
6. Slotting Machine	1	25025.00	19. Dial Indicator with stand 0.01	27	10204.00
7. Power Saw Machine	1	18500.00	20. Clamp/Holding Devices	1	3000.00
8. Vernier Calliper 8''	1	1050.00	21. Work Bench 6' x 4' x 3'	--	8747.00
9. Chuck 8''	1	1679.00	22. Tool Set		
10. Milling Machine Vice 4''	1	2864.00	23. Vertical Milling m/c	1	272752.0
11. Work Bench 6' x 4' x 3'	2	6000.00	Carpentry shop		
12. Tool Set	--	30000.00	1. Wood Turning Lathe M/c. 4 ¹ / ₂ '	2	
13. HMT lathe m/c 1m ABC	4	1050000.00	2. Circular Saw 2 HP / 3 Phase	1	15693.30
Tool Engineering Shop.					
1. Lathe M/c. A-26	1	86019.00	3. Bench Grinder ¾ HP , 2800 rpm	1	10450.00
2. Capstan Lathe M/c.	1	79946.00	4. Bench Vice 8''	18	2200.00
3. Cylinder .Grinding M/c.	1	78848.00	5. Work Bench 6' x 4' x 3'	8	15000.00
4. Drilling Machine (Bench type) ½' Cap.	2	5247.00	6. Tool Set	18	24000.00
5. Lathe Machine	1	126526.00	Fitting Shop		
H.M.T. Make 8'	2	246428.00	1. Bench Vices 100 mm	17	13562.00
Dilip Make 4 ½'	1	16373.00	2. Surface plate 18'' x 18''	1	13940.00
Turner Make 4 ½'	1	46900.00	3. Slotted Angle Plate 180 x 135 x 110 mm	1	1675.00 1140.00
6. Milling Machine Table size 1050 x 250 mm	1	15331.00	4. Drilling M/c. pillar type ½capacity	1	12306.00
7. Power press m/c. 5 Ton.	1	24750.00	5. Wooden Work Bench 6' x 4' x 3'	7	21000.00
8. Shaper M/c. 18''	1	26581.00	6. Power saw M/c.	1	7900.00
9. Surface Grinding M/c.	1	21300.00	7. Tool set	18	4401.00
10. Tool & cutter Grinder	1	13728.00			
11. Lathe tool Dynamometer PE01					

(B) Total Cost of Equipments / Machines in Workshop

Sr. No.	Name of the (Shop) Lab.	Actual Cost (Rs.)
1	Foundry Shop	2,19,831
2	Machine Shop	17,74,486
3	Carpentry Shop	67,343
4	Fitting Shop	59,811
5	Welding Shop	45,664
6	Smithy Shop	68,766
7	Tool Engineering shop	9,65,211
8	Proposed additional amount	17,14,000.00
• Grand Total		49,15,112.00