

## N : Workshop Machinery, Miscellaneous Tools & Mixers

### NI WORKSHOP MACHINERY

#### NI (1) Drills, Lathes, Grinders, Milling and Honing Machines

##### (a) Drills

1. Manufacturer/Supplier : M/s Batliboi & Co.,  
P. B. 479, V.B. Gandhi Marg, Fort,  
Mumbai - 400 023.  
  
 Model : BVR - 3  
 Type : Radial  
 Drilling cap in steel : 32 mm  
       in cast iron : 35 mm  
 Drilling motor power KW/rpm : 1.5/1500  
 Elevating motor arm KW/rpm : 0.75/1500
  
2. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301, L. B. Shastri Marg, P. B. No. 7761, Mulund,  
Mumbai - 400 080  
  

Model : 3075-0-1000	(ii) CP 3075-0-1000
Type : Non-reversible	CP-"Power Vane"
Drilling cap in steel mm : 13	13
  
3. Manufacturer/Supplier : M/s Engineering And Industrial Foundary Co.,  
Ramnagar,  
Coimbatore - 641 009, Tamil Nadu  
  

Model : BDM/LD	(ii) BDM/MD	(iii) PDM/LD	(iv) PDM/MD
Type : Bench	Bench	Pedestal	Pedestal
Drilling cap in steel mm : 13	13	13	13
Spindle drive motor HP/rpm : 0.5/1425	0.5/1425	0.5/1425	0.5/1425

  

Model : BDM/HD	(vi) BDM/GT	(vii) P2/25	(viii) P2/25/GT	(ix) P2/25/GT/A	(x) RDH/325	(xi) BC 540
Type : -	-	-	-	-	Radial	Box Column Upright
Drilling cap in steel mm : 20	20	25	25	25	25	50
Power HP/rpm : 1/1425	1/1425	1/1425	1/1425	2/1440	1/1425	1/1425
  
4. Manufacturer/Supplier : M/s Shree Mahalaxmi Engg. Works,  
27, D.L.F. Industrial Area,  
Najafgarh Road,  
New Delhi - 110 015

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

Model	:	(i)	(ii)	(iii)	(iv)	(v)
Type	:	S-100	S-1	S-2	S-3	SK-5
Drilling cap in steel	mm	Pillar	Pillar	Pillar	Pillar	Geared
Power	HP	13	20	25	30	50
		0.5	0.75	1	2	5

**(b) Pneumatic Drills**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
30, L.B. Shastri Marg, P.B. 7761, Mulund,  
Mumbai - 400 080

Model	:	(i)	(ii)	(iii)	(iv)	(v)
Type	:	303	CP 303-MD-3000	CP 303-ML-3000	305	3075-0-1500
Drilling cap in steel	mm	CP Drills	CP Power Vane	CP Power Vane	CP Non-reversible	CP Non-reversible
Wt approx	kg	Non-reversible	6	6	10	10
Air consumption	cu m/min	1.14	1.25	1.25	1.25	2.8
		0.48	-	-	0.76	1.13
Model	:	(vi)	(vii)	(viii)	(ix)	(x)
Type	:	CP 305-MO-2200	CP 3075-ML-2200	CP 3075-0-1500	CP 0315-Sufal (CP-315-750)	Cp 0315-Rafal (CP-315-R-750)
Drilling cap in steel	mm	CP Power Vane	CP Power Vane	CP Power Vane	Non-reversible	Reversible
Ramping cap	mm	10	10	10	14.3	14.3
Wt approx	kg	-	-	-	11.1	11.1
Air consumption	cu m/min	1.36	1.45	2.8	6.6	7.7
		-	-	-	-	-
Model	:	(xi)	(xii)	(xiii)	(xiv)	(xv)
Type	:	3270-Rafud	CP 0315-Sufal (CP 315-350)	CP 0315-Rafal (CP 315-R-350)	315-350	315-R-350
Drilling cap in steel	mm	Reversible	Non-reversible	Reversible	Non-reversible	Reversible
Ramping cap	mm	22.2	22.2	22.2	23	23
Wt approx	kg	-	15.9	-	-	-
Air consumption	cu m/min	14.1	6.6	7.2	6.9	8
		3.73	-	-	1.42	1.42
Model	:	(xvi)	(xvii)	(xviii)	(xix)	(xx)
Type	:	3270-Rafel	CP 3270-Sufel (CP 3270-450)	CP 3270-Rafel (CP 3270-R-450)	3270-Sufyr	3270-Rafyr
Cap		Reversible	Non-reversible	Reversible	Non-reversible	Reversible
Steel drilling	mm	25.4	25.4	25.4	31.8	31.8
Reaming	mm	-	23.8	23.8	-	-
Tapping	mm	-	-	22.2	-	-
Tube rolling	mm	-	-	38.1	-	-
Air consumption	cu m/min	3.73	-	-	3.34	3.4

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model			(xxi) 3270-0 TAFBA	(xxii) CP 3270-SUFYR	(xxiii) CP 3270-RAFYR	(xxiv) CP 3270 -TAFBA	(xxv) 3270-TAFLY	
Type			Reversible	(CP 3270-300) Non-reversible	(CP 3270-R-350) Reversible	(3270-R-250) Reversible	Reversible	
Cap								
Steel drilling	mm	:	31.8	31.8	31.8	31.8	38.1	
Reaming	mm	:	-	31.8	31.8	31.8	-	
Tapping	mm	:	-	-	22.2	34.9	-	
Tube rolling	mm	:	-	-	57.2	63.5	-	
Air consumption	cu m/min	:	3.4	-	-	-	3.4	
Model			(xxvi) 3270-Tafly (CP 3270-R-150)	(xxvii) CP 3270-FR-100	(xxviii) CP 3270-FR-55			
Type			Reversible	Reversible	Reversible			
Cap								
Steel drilling	mm	:	38.1	38.1	38.1			
Reaming	mm	:	31.8	38.1	38.1			
Tapping	mm	:	41.3	44	44			
Tube rolling	mm	:	76.2	76.2	76.2			
2. Manufacturer/Supplier		:	M/s Engineering And Industrial Foundary Co., Ramnagar, Coimbatore - 641 009, Tamil Nadu					
Model		:	P4/38					
Drilling cap in steel	mm	:	38 to 40					
3. Manufacturer/Supplier		:	M/s New Standard Engineering Co. Ltd., Nse Estate, Goregaon East, Mumbai - 400 063					
Type		:	(i) Geared	(ii) Pillar	(iii) Radial			
Spindle Power	HP	:	2	3.5	13			
Drilling cap in steel	mm	:	-	40				
4. Manufacturer/Supplier		:	M/s Shree Mahalaxmi Engineering Works, 27, D.L.F. Industrial Area, Najafgarh Road, New Delhi - 110 015					
Model		:	SK - 4					
Power	HP	:	3					
<b>(b) Lathes</b>								
1. Manufacturer/Supplier		:	M/s Batliboi And Co.Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Fort, Mumbai - 400 001					

N : Workshop Machinery, Miscellaneous Tools & Mixers

			(i)	(ii)	(iii)	(iv)	(v)
Model			E-1330	E-1550	E-1675	E-1810	E-2215
Centre	H	mm	175	190	200	230	280
Main Motor Power		KW	2.2	3.7/2.2	5.5	7.5	11
Model			(vi) E-3225	(vii) E-3825	(viii) Mumbai	(ix) Oil	(x) Sliding
Centre	H	mm	400	475	318	318	318
Main Motor Power		KW	18.7	18.7	11	11	11

2. Manufacturer/Supplier : M/s Leading Engineering Works Pvt.Ltd.,  
31, New Rohtak Road,  
Anand Prabhat Industrial Estate,  
New Delhi - 110 005

			(i)	(ii)	(iii)	(iv)	(v)
Model			Superprise-1330	Superprise-1550	Superprise-1650	Superprise-2000	Superprise-2050
Motor		HP	3	5	5/7.5	7.5	5/7.5
Centre	H	mm	165/175	190	200	190	250
Model			(vi) Superturn-200	(vii) Superturn-250	(viii) Superprise-1810	(ix) Superprise-2215	(x) Superprise-5630
Motor		HP	7.5	7.5	15	15	30/40/50
Centre	H	mm	200	250	230	280	700
Model			(xi) Super-20	(xii) Super-25	(xiii) Super Lag-225	(xiv) Super Lag-250	(xv) Super Lag-305 H
Motor		HP	2/3/5	2/3/5	5/7.5	5/7.5	10
Centre	H	mm	215	250	225	250	305
Model			(xvi) Triumph Lag-330	(xvii) Triumph Lag-335	(xviii) Triumph Lag-400	(xix) Superprise-2520	(xx) Superprise-2620
Motor		HP	15	15	15	20	20/30
Centre	H	mm	330	355	400	320	325
Model			(xxi) Superprise-3225	(xxii) Superprise-4020	(xxiii) Superprise-3625	(xxiv) Superprise-4125	(xxv) Superprise-4830
Motor		HP	25/40	20	25/40	25/40	30/40/50
Centre	H	mm	325	500	450	500	600

3. Manufacturer/Supplier : M/s Mysore Kirloskar Ltd.,  
Yantrapur,  
Harihar - 577 602, Karnataka.

			(i)	(ii)	(iii)	(iv)
Model			Enterprise 1330	1550	1675	1810
Type			Bed 2 V & 2 Flats	Bed 2 V & 2 Flats	Bed 2 V & 2 Flats	Bed 2 V & 2 Flats
Centre	H	mm	175	190	200	230
Main Motor		HP (KK)	3(2.25)	5/3(3.75/ 2.24)	7.5(3.6)	10(7.5)

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model	:	(v)	(vi)	(vii)	(viii)
Type	:	2215	3225	3825	Shimoga Heavy Duty
Centre	H mm	Bed 2 V	Bed 2 V	Bed 2 V	Bed 2 V
Main Motor	HP (kW)	& 2 Flats	& 2 Flats	& 2 Flats	& 2 Flats
		280	400	475	-
		15(11)	25(18.7)	25(18.7)	3(2.2)

4. Manufacturer/Supplier : M/s New Standard Engineering Co.Ltd.,  
Goregaon East,  
Mumbai - 400 063

Type	:	(i)	(ii)
Power	HP	Capstan & Turrent	Precision Centre
Centre	H mm	27	19
		375	450

(c) Grinders

1. Manufacturer/Supplier : M/s Bhasin Engineering Works,  
Kriplani Estate,  
Saki Vihar Road,  
Mumbai - 400 072

Model	:	(i)	(ii)	(iii)	(iv)
Type	:	H-1030 (Manual)	H-1545 (Manual or Hydraulic)	H-2050	H-3060
Wheel head motor power	HP	Micromax Horizontal Spindle Surface	Micromax Horizontal Spindle Surface	Micromax Horizontal Spindle Surface	Micromax Horizontal Spindle Surface
Hydraulic motor power	HP	1	1	2	3
Wheel head rapid traverse motor power	HP	-	-	1	2
Wheel speed	rpm	2800	2800	0.5 2800	0.5 2800

Model	:	(v)	(vi)	(vii)	(viii)	(ix)	(X)
Type	:	HR-300	HR 450	VR-300	VH-400	VR - 450	VH-800
Wheel head motor	HP	Micromax Horizontal Spindle Rotary Table Surface	Micromax Horizontal Spindle Rotary Table Surface	Micromax Vertical Spindle Rotary Surface	Micromax Vertical Spindle Recipro-cating Table Surface	Micromax Vertical Spindle Rotary Table Surface	Micromax Vertical Spindle Reciproca-ting Table Surface
Table drive motor	HP	2	3	5	5	10	10
Rapid traverse (wheel head) motor	HP	1	2	1	1.5	2	3
Grinding wheel speed	rpm	-	-	0.5	0.5	0.5	0.5
		2800	2800	3000	2800	3000	2800

2. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd,  
301, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model		(i)	(ii)	(iii)	(iv)	(v)	(vi)
Type		9107 CP Die	3050 CP Die	3051 CP Die CP-Short Die	3050 CP Die	3051 CP Die CP-Short Spindle Die	3050 CP Die
Wheel	mm	6	40	40	50	50	56
Free speed	rpm	30000	21000	21000	18000	18000	15000
Wt approx	kg	0.45	2.5	2.4	2.5	2.4	2.5
Air consumption on 'no load'	cu m/ min	0.54	0.76	0.76	0.62	0.62	0.62
Model		(vii)	(viii)	(ix)	(x)	(xi)	
Type		3051 CP Die CP-Short Spindle Die	3050 CP Die	3050 CP Die	3051 CP-Short Spindle Die	3051 CP-Short Spindle Die	
Wheel	mm	56	63	63	63	63	
Free speed	rpm	15000	12000	8000	12000	8000	
Wt approx	kg	2.4	2.5	2.5	2.4	2.4	
Air consumption on 'no load'	cu m/min	0.62	0.37	0.37	0.37	0.37	
Model		(xii)	(xiii)	(xiv)	(xv)	(xvi)	
Type		3140-S-6000 CP 'Power Vane' Steelclad Wire Brush	3140-P-6000 CP 'Power Vane' Steelclad Wire Brush	3220-S-5800 CP 'Power Vane' Steelclad Wire Brush	3220-P-5800 CP 'Power Vane' Steelclad Wire Brush	3140-S-6000 Buffing Wheel	
Wheel cap	mm	100	100	150	150	150	
Free speed	rpm	6000	6000	5800	5800	6000	
Wt approx with guard	kg	5.5	5.6	-	-	-	
Model		(xvii)	(xviii)	(xix)	(xx)	(xxi)	
Type		3140-P-6000 Buffing Wheel	3220-S-5800 Buffing Wheel	3220-P-5800 Buffing Wheel	3220-S-4500 CP Steelclad Wire Brush	3220-P-4500 CP Steelclad Wire Brush	
Wheel cap	mm	150	150	150	200	200	
Free speed	rpm	6000	5800	5800	4500	4500	
Model		(xxii)	(xxiii)	(xxiv)	(xxv)	(xxvi)	(xxvii)
Type		3220- -S-3500 CP Steelclad Wire Brush	3220- -P-3500 CP Steelclad Wire Brush	3220- -S-4500 Buffing	3220- -P-4500 Buffing	3220- -S-3500 Buffing	3220- -P-3500 Buffing
Wheel cap	mm	200	200	200	200	200	200
Free speed	rpm	3500	3500	4500	4500	3500	3500
Model		(xxviii)	(xxix)	(xxx)	(xxxi)	(xxxii)	
Type		3140 CP Straight	3220 CP Straight	3140-S-6000 CP Power Vane Steelclad Elastic Bonded	3140-P-6000 CP Power Vane Steelclad Elastic Bonded	3220-S-5800 CP Power Vane Steelclad Elastic Bonded	

N : Workshop Machinery, Miscellaneous Tools & Mixers

Wheel	mm	: 150 x 25	150 x 25	150 x 25	150 x 25	150 x 25	
Free speed	rpm	: 6000	5800	6000	6000	5800	
Air consumption	cu m/min	: 1.59	1.67	-	-	-	
Model		: (xxxiii) 3220-P-5800	(xxxiv) 3220	(xxxv) 3220-S-4500	(xxxvi) 3220-S-3500	(xxxvii) 3220-P-3500	
Type		: CP Power Vane Steelclad Elastic Bonded	CP Straight	CP Power Vane Steelclad Elastic Bonded	CP Power Vane Steelclad Elastic Bonded	CP Power Vane Steelclad Elastic Bonded	
Wheel	mm	: 150 x 25	200 x 25	200 x 25	200 x 25	200 x 25	
Free speed	rpm	: 5800	4500 & 3500	4500	3500	3500	
Air consumption	cu m/min	: -	1.67	-	-	-	
Model		: (xxxviii) 319-AG	(xxxix) 319-A-6000	(xxxx) 319-AG	(xxxxi) 319-A-4500	(xxxxii) 319-A-6000	
Type		: CP Vertical Sanding Pad	CP Angle CP-Dished Disc	CP Vertical CP-Cut-Off Disc	CP Angle Sanding Pad	CP Angle Sanding Pad	
Wheel	mm	: 125	125	150	150	175	
Free speed	rpm	: 6000	6000	4500	4500	6000	
Air consumption	cu m/min	: 1.7	1.7	1.7	1.7	-	
Model		: (xxxxiii) 319-AS	(Xxxxiv) 319-A-6000	(Xxxxv) 319-A-6000		(Xxxxvi) 319-AS	
Type		: VP Vertical Sanding Pad	CP Angle CP-Dished Disc	CP Angle CP-Cut-Off Disc		CP Vertical Sanding Pad	
Wheel	mm	: 180	180	180		230	
Free speed	rpm	: 6000	6000	6000		4500	
Air consumption	cu m/min	: 1.7	-	-		1.7	
Model		: (xxxxvii) 319-A-4500	(xxxxviii) 319-A-4500	(xxxxix) 319-A-4500			
Type		: CP Angle Sanding Pad	CP Angle Dished Disc	CP Angle CP-Cut-Off Disc			
Wheel	mm	: 230	230	230			
Free speed	rpm	: 4500	4500	4500			
Air consumption	cu m/min	: -	-	-			
3. Manufacturer/Supplier		M/s Engineering and Industrial Foundry Co., Ramnagar, Coimbatore - 641 009, Tamil Nadu					
Model		: (i) MG-10	(ii) MG-12	(iii) MG-14	(iv) MG-16	(v) MG-18	(vi) MG-20
Type		: Heavy Duty Double Pedestal	Heavy Duty Double Pedestal	Heavy Duty Double Pedestal	Heavy Duty Double Pedestal	Heavy Duty Double Pedestal	Heavy Duty Double Pedestal
Motor power	HP	: 2	2	3	5	5	5, 2 Nos.
Wt approx	kg	: 400	420	550	580	1000	1100
Spindle speed	rpm	: 2292	1910	1637	1432	1273, 1637	1146, 1432
Grinding wheel size	mm	: 250 x 25 x 31.75	300 x 40 x 50.8	350 x 50 x 50.8	400 x 50 x 50.8	450 x 50 x 50.8	500 x 75 x 152.4
Wheel centre distance	mm	: 645	645	745	745	1280	1280

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model	:	(vii) MG-24	(viii) PGM/MD	(ix) BGM/MD	(x) MFS/15/DC	(xi) -	(xii) CU 280
Type	:	Heavy Duty Double Pedestal	Pedestal	Bench	V-Belt Driven & Direct Coupled, Shaft	-	Hydraulic Cylindrical Grinder
Motor power	HP	: 7.5 2 Nos.	0.8	0.8	-	1	7.5 3 Nos.
Wt approx	kg	: 1200	-	-	-	-	2500
Spindle speed	rpm	: 955, 1146, 1432	2860	2860	-	2860	1950
Grinding wheel size	mm	: 600 x 75 x 203.2	203.2 x 25.4 x 19.05	203.2 x 25.4 x 19.05	-	-	350 x 50 x 127
Wheel centre distance	mm	: 1280	432	432	-	-	-
Shaft Dia	mm	: -	-	-	-	15	-
	mm	: -	-	-	-	2000	-
4. Manufacturer/Supplier	:	M/s Holman-Climax Manufacturing Ltd., Dolphin Court, 2nd Floor, 7 A, Middleton Street, Calcutta - 700 071					
Type	:	(i) 40 TC	(ii) 40 LG	(iii) 40 LS	(iv) Holman 40 HS	(v) 40 HG	
Free speed at 5.6 kg/sq cm	rpm	: 3000	4400	4400	5700	5700	
Dia wheel							
Vitrified	mm	: 203	127	127	102	102	
Resinoid	mm	: -	203	203	152	152	
Dia wire brush radial	mm	: -	152	152	-	-	
5. Manufacturer	:	M/s Mysore Kirloskar Ltd., P.O. Yantrapur, Harihar - 577 602, Karnataka		Supplier	M/s Batliboi & Co.Ltd., Apeejay House, Dr. V.B. Gandhi Marg, Fort, Mumbai - 400 023		
Model	:	(i) -	(ii) -	(iii) -	(iii) MK-350 x 700 SG		
Type	:	MK Nova S-HE		MK Nova L-CNC		Surface	
Max I/D to be ground	mm	: 120		120	-		
Max L to be ground	mm	: 150		150	-		
Installed power	KW	: 11		11	8		
Hydraulic pump motor power	KW	: -		-	1.5		
Max table load	kg	: -		-	560		
Net wt approx	kg	: -		-	2700		
6. Manufacturer/Supplier	:	M/s New Standard Engg. Co. Ltd., Nse Estate, Goregaon East, Mumbai - 400 063					
Job L	max	mm	(i) 1600	(ii) -			
Job Dia	max	mm	: 400	-			
Power		KW	: 5.5	-			
Grinding Dia	max	mm	: -	400			
Grinding L	max	mm	: -	3500			



N : Workshop Machinery, Miscellaneous Tools & Mixers

Bore grinding	D	mm	:	-	300
Table size	max	mm	:	-	1500 x 300
Job	H	max	mm	:	500

**(d) Milling Machines**

Manufacturer/Supplier : M/s Batliboi & Co. Ltd.,  
Apeejay House,  
Dr. V. B. Gandhi Marg, Fort,  
Mumbai - 400 001

	(i)	(ii)	(iii)	(iv)
Model	FA 3 H	FA 3 U	FA 3 V	BFK - 10
Type	-	-	-	Knee
L x W	mm : 1250 x 300	1250 x 300	1250 x 300	1500 x 400
No. of T-slots	3	3	3	-
T-slots W	mm : 14	14	14	-
Main spindle motor	KW : 3.7	3.7	3.7	11
Feed motor				
For X-axis	KW : -	-	-	2.8
For Y & Z-axis	KW : -	-	-	3.8
Edit facility	-	-	-	Sub-programme nesting progra- mme by manual data input teach in, play-back externally, actual position display, programme memory with battery back-up

**(e) Slotting Machines**

1. Manufacturer/Supplier : M/s Engineering and Industrial Foundary Co.,  
Ramnagar,  
Coimbatore - 641 009, Tamil Nadu

Model	:	ESM 105
Stroke	mm :	105
Motor power	HP :	1
Wt net	kg :	700
Table Dia	mm :	250

2. Manufacturer/Supplier : M/s New Standard Engineering Co. Ltd.,  
NSE Estate, Goregaon East,  
Mumbai - 400 063

RAM stroke	mm :	450
Power	HP :	2
Table Dia	mm :	580

**(f) Honing Machine**

Manufacturer/Supplier : M/s Engineering and Industrial Foundary Co.,  
Ramnagar,  
Coimbatore - 641 009, Tamil Nadu

N : Workshop Machinery, Miscellaneous Tools & Mixers

Max dia to be honed mm : 150  
 Motor power HP : 2  
 rpm : 1440  
 Spindle speeds rpm : 275, 390, 540  
 Max hone head travel mm : 500

(g) Saws

1. Manufacturer/Supplier : M/s Batliboi & Co. Ltd.,  
 Apeejay House,  
 Dr. V. B. Gandhi Marg, Fort,  
 Mumbai - 400 001

	(i)	(ii)
Model	Cobra No 9	Cobra No.12
Type	Hacksaw	Hacksaw
Cuts round material upto	mm : 225	300
Cuts square material upto	mm : 200	300
Cuts square or round material	mm : -	180
Blade L admissible	mm : 450	600
Blade W admissible	mm : 32	38
Drive cap approx	KW : 0.75	1.5
	Hr : 1	2
Speed	rpm : 1440	1440

2. Manufacturer/Supplier : M/s Engineering and Industrial Foundary Ltd.,  
 Ramnagar,  
 Coimbatore - 641 009, Tamil Nadu

Model HP : 200  
 Type : Hacksaw  
 Max dia mm : 200  
 Max square mm : 175  
 No of speed strokes : 3  
 Range of speed strokes per min : 80-100-125  
 Size of saw blade : 400 x 32  
 Size mm : 1175 x 820 x 1150  
 Net weight kg : 500

3. Manufacturer/Supplier : M/s The Mysore Kirloskar Ltd.,  
 Yantrapur P. O.  
 Harihar - 577 602, Karnataka

Type : Circular  
 Dia mm : 710  
 Speed rpm : 5.5, 7.5, 10 and 13  
 Cutting cap round max : 230  
 square max : 210  
 Power supply V : 400/440  
 pH : 3  
 Hz : 50  
 Motor power KW : 7.5  
 HP : 10

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

**N I (2) Welding and Cutting Sets**

**(a) Welding Sets**

Manufacturer/Supplier		: M/s Trio Sales Syndicate, 22-3, Zaveri Building, 12th Khetwadi Lane, Mumbai - 400 004				
Model		(i)	(ii)	(iii)	(iv)	(v)
Type		Mini Spot	Bench Type Spot Welders	Spot cum Arc Welders	GPR-30, 50,75 Press/ Projection	GPS-2.5G, 10G, 15G Portable Gun Type Spot Welders
Rating at 50% duty cycle	KVA	: 3	6	6	-	-
Throat D	mm	: 100 to 161	200	-	-	-
Weldability max x 2	MS	: 0.8 mm	1.6 mm	1.6 mm	-	1
	SS	: 0.5 mm	1.4 mm	1.4 mm		
	BR	: 0.4 mm	0.6 mm	-		
	Min x 2	MS	: 0.25 mm	0.3 mm	0.3 mm	0.2
		SS	: 0.2 mm	0.25 mm	0.2 mm	
		BR	: 0.2 mm	0.2 mm	0.2 mm	
Main supply	V	: 250	230	-	415	230
	A	: 15	-			
	C/S	: 50	50			
	pH	: Single	Single	Single	Single	
Model		(vi)	(vii)	(viii)	(ix)	(x)
Type		PBW-51,52,53 24	GM-11,12,13, 14,15,16	Special Machine For Cycle Bead Wire	GBB-KVA-3, 5,12	CBW-0.5, 2,4,8,12,15 20,25,30 KVA
Max electrical rating	KVA	: -	1	-	3	-
Power supply	V	: 415	230	230	230	-
	pH	: Three	Single	Single	Single	-
Blade	W	mm	: -	-	3-19	-
Model		(xi)	(xii)	(xiii)	(xiv)	(xv)
Type		50A,100A,150A Mini Portable Ac Arc Welders	Micro Butt Welders For Fine Wires	Heavy Duty Cabinet Type Wire Butt Welders	BBW-CBW Upset Butt Welder For Rods/Strips	Bandsaw Blade Butt Welders
Primary supply	V	: 230	-	-	-	-
	pH	: Single				
Ratin KVA		: -	-	0.5, 2, 4, 8, 12, 15, 20	20, 25, 30	3, 5, 12

N : Workshop Machinery, Miscellaneous Tools & Mixers

Type	(xvi) Pedal Operated Wire Butt Welders	(xvii) High Freq. PVC Welders	(xviii) Bench Type Spot Welders	(xix) Portable Gun Type Spot Welders Manual/Pedal Operated 2.5, 5, 10, 15	(xx) Precision Mini Spot Welders 3/6	
Rating KVA	-	-	3/6	-	-	
Model Type	(xxi) Rocker Arm Type Spot Welders	(xxii) Spot-Cum- Arc Welder With Scissor Type	(xxiii) Spot-Cum- Projection Welders & Solid State Control	(xxiv) Single/ Double Operator Arc Welders Air & Oil Cooled Standard & Heavy duty Models	(xxv) GS Series Rocker Arm Type Spot	(xxvi) Argon Arc Manual Welding Process
Rating KVA	6, 7.5, 10, 15 - 20, 25 & 30	-	30, 50, 75 & 100	-	-	
Current range	A : -	-	-	50 to 600	-	
Mains supply	V : -	-	-	-	230 & 415	
	pH : -	-	-	-	Single	

**(b) Gas Cutting Sets**

Manufacturer/Supplier	: M/s Trio Sales Syndicate, 22-3, Zaveri Building, 12th Khetwadi Lane, Mumbai - 400 004
Model Type	: GR-200, 300, 400, 600 DC Power Source Model (With Flat Characteristics) Semi Automatic Mig/CO <sub>2</sub> Shielded Arc Welding Unit
Primary supply	V : 415 pH : Three

**(c) Mig Torches**

Manufacturer/Supplier	: M/s Trio Sales Syndicate, 22-3, Zaveri Building, 12th Khetwadi Lane, Mumbai - 400 004
Model Type	: GT-200, 350, 400, 600/M Standard/Heavy Duty Gas/ Water Cooled
Current Rating	A : 250 to 500 50 to 60% Duty Cycle

**(d) Brazing Machine**

Manufacturer/Supplier	: M/s Trio Sales Syndicate, 22-3, Zaveri Building, 12th Khetwadi Lane, Mumbai - 400 004
-----------------------	--

N : Workshop Machinery, Miscellaneous Tools & Mixers

Type	(i)	(ii)	(iii)	(iv)	(v)	(vi)
	Wire Table Mounted	Sandsaw Blade	Bandsaw	Electro	Wire With Torch	Arc-Brazer (Two-In-One)
Rating KVA	: 2	3 & 6	3 & 6	6 to 50	-	-
Braze blades mm	: -	3 to 50	-	-	-	-
Power V	: -	230	-	-	-	-

**(e) Welding Transformers**

Manufacturer/Supplier	: M/s Trio Sales Syndicate, 22-3, Zaveri Building, 12th Khetwadi Lane, Mumbai - 400 004					
Model	(i)	(ii)	(iii)	(iv)		
	DOT-300 & 400 Single/Double Operator	GSO-300 & 450 DV Single Operator	200 A, 300 A, 400 A	300 A, 400 A, 500 A, 600 A		
Type	Heavy Duty AC Arc	-	Portable Industrial Standard/AC/ARC	Heavy Duty AC		
Rating KVA @ 60% duty cycle	: 40	-	-	-		
@ 100% duty cycle	: 31	-	-	-		
Max	: 48	-	-	-		
Primary supply V	: 415	415	230/415	415		
pH	: Single	Two	Single, Two, Three	Two, Three		
Welding Current Range A	: 50-300,100-600	-	-	-		

**(f) Welding Rectifiers**

Manufacturer/Supplier	: M/s Trio Sales Syndicate, 22-3, Zaveri Building, 12th Khetwadi Lane, Mumbai - 400 004					
Model	(i)	(ii)	(iii)			
	GRW-150 M, 200 M, 300 M, 400 M,	GRW-150 T, 200 T, 300 T, 400 T, 500 T, 600 T				
Type	Shunt Controlled AC/DC Transformer	DC Transformer (Transductor Type)	DC Tig Welding			
			Type-200 T, 300 T, 400 T, 500 T, 600 T			
Primary supply V	: 415	415	-			
pH	: Two	Three	-			
Current range A	: -	-	150 to 600			

**(g) Welding Electrodes**

Manufacturer/Supplier	: M/s Trio Sales Syndicate, 22-3, Zaveri Building, 12th Khetwadi Lane, Mumbai - 400 004					
-----------------------	--	--	--	--	--	--

N : Workshop Machinery, Miscellaneous Tools & Mixers

Type : Gemarc  
 Cap W : 100  
 Supply Voltage V : 230  
 pH : Single  
 Temp : 200 °c With Auto-Cut-Off

**(h) Welding Accessories**

Manufacturer/Supplier : M/s Trio Sales Syndicate,  
 22-3, Zaveri Building,  
 12th Khetwadi Lane,  
 Mumbai - 400 004

: 5 M Flexible Welding Cable with Insulated Electrode Holder  
 3 M Earthing Cable with Clamp, Protective Mask with Set of Glasses  
 Chisel for Slag Removal, Wire Brush, Pair of Handgloves  
 Pressure Regulator with Flow Meter, CO<sub>2</sub> Heater  
 Inter Connections, Sprayers, Hard/Soft Wire Kits  
 Water Circulation Device for Torches, Spot Welding Attachment

**N I (3) Materials Transporting Equipments**

(a) **Trucks Capacity** t : Up to 10

1. Manufacturer/Supplier : M/s Mahindra Owen Ltd.,  
 148, Mumbai-Pune Road, Pimpri,  
 Pune - 411 018

Model	(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)
Type	MC-20 C	MCE 20 C	MC 25 C	MCE 25 C	MC 30 C	MCE 30 C	MC 40 C
	Forklift	Forklift	Forklift	Forklift	Forklift	Forklift	Forklift
	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	Engine	Engine	Engine	Engine	Engine	Engine	Engine
Cap t	2	2	2.5	2.5	3	3	4
Power HP	45	45	45	45	45	45	45
Speed m/min	23	23	23	23	23	23	23
Lifting H mm	3600	3600	3600	3600	3600	3600	3600

2. Manufacturer/Supplier : M/s Pullman Engineering Co. Pvt. Ltd.,  
 32, Ganesh Chandra Avenue  
 Calcutta - 700 013

Type : Forklift  
 Cap t : 6  
 Travel Speed Max kmph : 24

3. Manufacturer/Supplier : M/s W. H. Brady & Co. Ltd  
 Brady House, 12/14, Veer Nariman  
 Road, P. B. No. 26,  
 Mumbai - 400 023

Type	(i)	(ii)	(iii)
Cap t	Elevating	Elevating	Platform
	0.5	1	2

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

Lifting Power	H mm	: 44.45	53.98	-
	HP	: -	-	4 Stroke Air - Cooled Diesel Engine 6.5 at 1800 rpm
Travel Speed	kmph	: -	-	10

**(b) Dumpers**

1. Manufacturer/Supplier	:	M/s Dipco Metal Fabricators Pvt. Ltd., P. O. Box 240, Vadodra - 390 001	Supplier :	M/s Sigil (India) Services Pvt. Ltd., P.B. No.240, Vadodra- 390 001.	
Model	:	(i) DIPCO - 1250	(ii) DIPCO - PH2	(iii) 4 x 2 RD 1000	(iv) 4 x 2 RD 2000
Pay load	kg	: 1250	-	1000	2000
Discharge	m	: -	Upto 1.5	-	-
	kg	: -	2000	-	-
HP	:	8.2	18	8.2	16.4
Skip tipping	:	-	-	Hydraulic Rear End	Hydraulic Rear End
2. Manufacturer/Supplier	:	M/s Sayaji Iron And Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat.			
Type	:	(i) Diesel Engine	(ii) Diesel Engine		
Cap	t	: 1.25	2		

**(c) Trailers**

Manufacturer/Supplier	:	M/s Mechanical Movements Pvt. Ltd., 3, Netaji Subhash Marg, New Delhi - 110 002				
Type	:	(i) Garbage	(ii) Garbage	(iii) Platform	(iv) Platform	(v) Heavy Duty
Cap	t	: 1.5	2	3	5	20
Size	mm	: 2450x1370x1220	3000x1370x1220	-	-	-
				Fitted with 2 Nos. wheels with Parking Jacks	Fitted with 4 Nos. wheels Optional Rear wheel with Hand Brake	
Tipping	:	Manual or Automatic	Manual or Automatic	-	-	-
Type	:	(vi) Heavy Duty	(vii) -	(viii) -	(ix) -	(x) Diesel Fuel Tank
Cap	t	: 25	30	35	40	625, 1250 & 2500 Lit

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

**(d) Wheel Barrows**

**Capacity** cu m : Up to 10

**Manufacturer/Supplier** : M/s Mechanical Movements Pvt. Ltd.,  
3, Netaji Subhash Marg,  
New Delhi - 110 002

Type		(i)	(ii)	(iii)	(iv)
		Pan Single Wheel	Municipal	Automatic Tipping	Dump all Double Wheel
<b>Cap</b>	cu m	0.07	0.1	0.035	0.16
		Fitted With one 25x5 cm Solid Rubber Bush Bearing Wheel	Fitted with two Nos. of 30x5 cm Solid Rubber Bearing Wheels	Having 40x10 cm Solid Rubber Ball Bearing Wheels	Fitted with two Nos. of 40x10 cm Pneumatic Tyred Ball Bearing Wheels
<b>Wt</b>	kg			500	

**(e) Grab Buckets**

**Manufacturer/Supplier** : M/s Pullman Engineering Co. Pvt. Ltd.,  
32, Ganesh Chandra Avenue,  
Calcutta - 700 013.

Cap	cu m	(i)	(ii)	(iii)	(iv)	(v)	(vi)
		0.35	0.45	0.75	1.1	1.45	1.75
<b>Wt</b>	t	0.967	1.385	2.080	2.911	3.820	4.780

**(f) Water Tankers**

**Manufacturer/Supplier** : M/s Mechanical Movements Pvt. Ltd.,  
3 Netaji Subhash Marg,  
New Delhi - 110 002.

Cap	Lit	(i)	(ii)	(iii)	(iv)
		250	500	1000	4500
		Fitted with Two wheels	Fitted with Two wheels	Fitted with Two wheels	Fitted with 4 Nos. Pneumatic Type Wheels

**(g) Cranes**

**Capacity** t : Up to 5

1. **Manufacturer/Supplier** : M/s Escorts Ltd.,  
Industrial and Construction Equipment,  
Sector - 13,  
Faridabad - 121 007

Model		(i)	(ii)	(iii)
<b>Type</b>		TMC - 650	3-E	5-E
		Escort Hydraulic Truck Mounted Crane Loader	Escort Hydraulic Pick and Carry Cranes	Escort Hydraulic Pick and Carry Cranes
<b>Cap</b>	t	2.2	3	5
<b>Boom Max</b>	m	6.4	3.74	5.69

2. **Manufacturer/Supplier** : M/s Mechanical Movements Pvt. Ltd.,  
3, Netaji Subhash Marg,  
New Delhi - 110 002



**N : Workshop Machinery, Miscellaneous Tools & Mixers**

---

Type	:	(i)	(ii)	(iii)
Cap	t	: Portable Jib Crane	-	-
Lift	mm	: 0.5	1.0	2.0
		: 2000 and 2500	2000 and 2500	2000 and 2500
3. Manufacturer/Supplier	:	M/s Pulling And Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Srram Road, Civil Lines, Delhi - 110 054		
Type	:	Mobile		
Cap	t	: 3 to 5		
4. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018.		
Cap	t	: 5		
Span	m	: 15 to 25		
Motor	HP	: 5 to 9		
5. Manufacturer/Supplier	:	M/s W. H. Brady & Co. Ltd., Brady House, 12/14, Veer Nariman Road, Mumbai - 400 023		
Type	:	Single Girder Electric Crane, Independent Swing		
Cap	t	: 5		
<b>Capacity</b>	t	: 5.1 to 10		
1. Manufacturer/Supplier	:	M/s Escorts Ltd., Industrial and Construction Equipment, Sector - 13, Faridabad - 121 007		
Model	:	(i)	(ii)	
Type	:	: 8-E	: C-8000	
	:	Escort Hydraulic Pick and Carry Cranes		
Cap	t	: 8		
Outreach Max	m	: 5.53		
Speed Max	km/hr	: 15.0		
		: 15.0		
2. Manufacturer/Supplier	:	M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002		
Model	:	E. O. T. Cranes		
Type	:	Jib Crane		
Cap	t	: 10		
3. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018		
Cap	t	(i)	(ii)	
Span	m	: 7.5	: 10	
Motor	HP	: 15 to 25	: 15 to 25	
		: 5 to 9	: 5 to 10	

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

<b>Capacity</b>	t	:	Above 10				
1. Manufacturer/Supplier	:	M/s Escorts Ltd., Industrial and Construction Equipment, Sector - 13, Faridabad - 121 007					
Model	:	(i)	(ii)	(iii)	(iv)		
Type	:	HY-17	HK-17	RT-30	RT-40		
	:	Escort Hydraulic Mobile Crane Escorts Raier	-	Escorts Faun	Escorts Faun		
Cap	t	:	18	18	32	40	
2. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018					
Cap	t	:	(i)	(ii)	(iii)	(iv)	
Span	m	:	15 TO 30	15 TO 30	15 TO 30	15 TO 30	
Motor	HP	:	7.5 to 15	7.5 to 18.5	10 to 20	10 to 25	
Cap	t	:	(v)	(vi)	(vii)	(viii)	
Span	m	:	15 to 30	15 to 30	15 to 30	15 to 30	
Motor	HP	:	15 to 30	15 to 40	20 to 30	25 to 40	
3. Manufacturer/Supplier	:	M/s Pulling & Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Sriram Road, Civil Lines, Delhi - 110 054					
Type	:	Heavy Duty Self Raising Portable Gantry Crane					
Cap	t	:	Upto 25				
4. Manufacturer/Supplier	:	M/s Voltas Limited, Mining and Construction Equipment Business Group, 19, J. N. Heredia Road, Ballard Estate, Mumbai - 400 038					
Model	:	(i)	(ii)	(iii)	(iv)		
Type	:	Omega 20	Omega 23	Omega 25	Omega 30		
Cap	t	:	Hyd.Rt	Hyd.Rt	Hyd.Rt	Hyd.Rt	
Power rating HP @ rpm	:	18.15	20.00	25.00	28.00		
	:	112 @ 2500	112 @ 2500	152 @ 2500	152 @ 2500		
Model	:	(v)	(vi)	(vii)	(viii)		
Type	:	Omega 35	Omega 40	Omega 45	Omega 50		
Cap	t	:	Hyd.Rt	Hyd.Rt	Hyd.Rt	Hyd.Rt	
Power Rating HP @ rpm	:	31.75	36.30	40.80	45.35		
	:	152 @ 2500	216 @ 2500	216 @ 2500	216 @ 2500		
5. Manufacturer/Supplier	:	M/s W. H. Brady And Co. Ltd., Brady House, 12/14, Veer Nariman Road, Mumbai - 400 023.					
Type	:	Double-Girder Electric Crane. Hand Operated Crane of Single or Double Girder or Single Girder Under Slung Transporter					
Cap	t	:	30				



**N : Workshop Machinery, Miscellaneous Tools & Mixers**

---

2. Manufacturer/Supplier	:	M/s Chicago Pneumatic India Ltd., 302, L. B. Shastri Marg, P. B. No. 7761, Mulund, Mumbai - 400 080			
Model	:	(i) CP 1100-500	(ii) CP 1100-500-R		
Type	:	High speed air			
Cap	t	0.5			
Control	:	Pull cord	Pendant		
3. Manufacturer	:	M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mumbai - 400 080	Supplier	: M/s Batliboi and Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Mumbai - 400 023.	
Type	:	(i) Indef medium duty baby with hook suspension chain electric	(ii) Baby with trolley chain electric	(iii) Baby with an electric trolley chain electric	(iv) Indef heavy duty & high speed wire rope electric. Electric trolley, push trolley, geared trolley, cross travel
Cap	t	0.5	0.5	0.5	0.5
Hoist motor power	HP (KW)	1.5	-	0.25	1.5 (1.1)
Cross travel motor power	HP (KW)	-	-	-	0.18
Cross travel motor Speed	m/min	-	-	-	1.6
Lift	H mm	9600	-	-	6400, 11400, and 18000
4. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018.			
Model	:	5			
Type	:	Electric wire rope			
Cap	t	0.5			
Hoist motor	HP	1.5			
Travel motor	HP	0.12			
Lift H max	mm	12000			
5. Manufacturer/Supplier	:	M/s Sayaji Iron and Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat			
Type	:	Electric wire rope			
Lifting cap	t	0.25 to 0.5			
Design	:	Stationary push, geared or motorised trolley			

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

6. Manufacturer/Supplier : M/s W. H. Brady and Co. Ltd.,  
Brady House, P. B. No. 26,  
12/14, Veer Nariman Road,  
Mumbai - 400 023

Type : Morris hand chain  
Cap t : 0.5  
Test load t : 0.75  
Track Range I mm : 80-110  
Range I mm : 125-180  
Min radius of track curve mm : 150

**Capacity** t : 0.6 to 1.0

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L.B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

		(i)	(ii)
Model	:	CP 1100-1000	CP 1100-1000 R
Type	:	High Speed Air Hoist	High Speed Air Hoist
Cap	t :	1	1
Control	:	Pull Cord	Pendant

2. Manufacturer : M/s Consolidated Hoists Pvt. Ltd., Supplier : M/s Greaves Cotton & Co. Ltd.,  
Plot No. 29 & 30, 1, Dr. V. B. Gandhi Marg,  
Gultekdi Industrial Estate, Mumbai - 400 023  
Pune - 411 037

		(i)	(ii)	(iii)	(iv)	(v)	(vi)
Model	:	104	102	E - 104	3E 104	E 102	2E 102
Type	:	Electric	Electric	Swift	Swift	Swift	Swift
		Wire Rope	Wire Rope	Electric	Electric	Electric	Electric
Cap	t :	1	1	1	1	1	1
Hoist Motor	HP :	1	2	-	-	-	-
	kW :	0.74	1.47	-	-	-	-
Cross Travel Motor	HP :	0.6	0.6	-	-	-	-
	kW :	0.44	0.44	-	-	-	-

		(vii)	(viii)	(ix)	(x)	(xi)	(xii)
Model	:	3E 102	201	E 201	2E 201	3E 201	LR E 104 MO
Type	:	Swift	Swift	Swift	Swift	Swift	With LR
		Electric	Electric	Electric	Electric	Electric	Drums
Cap	t :	1	1	1	1	1	1
Hoist Motor	HP :	-	-	-	-	-	2
	kW :	-	-	-	-	-	1.42
Cross Travel Motor	HP :	-	-	-	-	-	0.6
	kW :	-	-	-	-	-	0.44
Cross Travel Speed	m/min :	-	-	-	-	-	17
Lift H Max	mm :	-	-	-	-	-	506

3. Manufacturer : M/s Hercules Hoists Ltd., Supplier : M/s Batliboi & Co. Ltd.,  
L. B. Shastri Marg, Mulund, Apeejay House, 6th Floor,  
Mumbai - 400 080 Dr. V. B. Gandhi Marg,  
Mumbai - 400 023

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model	(i)	(ii)	(iii)	(iv)
Type	: INDEF Medium Duty 'BABY' with Hook Suspension Chain Electric	: 'BABY' with Trolley Chain Electric	: 'BABY' with an Electric Trolley Chain	: P 101 INDEF Heavy Duty & High Speed Wire Rope Electric
Cap	t : 1	1	1	WRH - 1
Hoisting motor	HP : 1.5	-	-	3
	KW : -	-	-	2.2
Travel motor	HP : -	-	0.26	0.25
	KW : -	-	-	0.18
Lift H max (Std 3m)	mm : 9600	-	-	5600, 11200, & 18700
Type	: (v) Short Headroom	(vi) Fixed Mounting WRH - I	(vii) INDEF Heavy Duty & High Speed Wire Rope Electric, Electric Trolleys, Push Trolley, Geared Trolley, Cross Travel Electric	
Cap	t : 1	1	1	
Hoisting motor	HP : 3	-	1.5	
	KW : 2.2	-	1.1	
Travel motor	HP : 0.25	-	0.25	
	KW : 0.18	-	0.18	
Lift H max (Std 3m)	mm : 5600, 11200 & 18700	5600, 11200 & 18700	3200, 5700 & 9000	
4. Manufacturer/Supplier	: M/s Pulling & Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Sri Ram Road, Civil Lines, Delhi - 110 054.			
Type	: Ratchet, Manually Operated		Electric Wire Rope	
Cap	t : 0.75 to 1		Custom Built	
5. Manufacturer/Supplier	: M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018			
Model	: 10			
Type	: Electric Overhead Wire Rope			
Cap	t : 1			
Hoist motor	HP : 2			
Travel motor	HP : 0.25			
Lift H max	mm : 12000			
6. Manufacturer/Supplier	: M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat			
Type	: Electric Wire Rope			
Lifting cap	t : 0.25 to 1			
Design	: Stationary Push, Geared or Motorised Trolley			
7. Manufacturer/Supplier	: M/s W. H. Brady & Co. Ltd Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023			

N : Workshop Machinery, Miscellaneous Tools & Mixers

Type		(i)	(ii)	(iii)	(iv)	(v)	(vi)
		Push	Morris	Morris	Morris	Ropemaster	Morris
		Travel	Geared	Electric	Hand Chain	Close-Lift	Ropemaster
		Ropemaster	Travel	Travelling		Electric	Close-Lift
			Ropemaster	Ropemaster			Electric
							Morris Fixed
							Mounting
							Ropemaster
Cap		t	1	1	1	1	1
Lift H	max	mm	6100,	6100,	6100,	-	6100,
			12200	12200	12200		12200
Track W	Range I	mm	100 to 140	100 to 140	100 to 140	80 to 110	-
	Range II	mm	150 to 210	150 to 210	150 to 210	-	-
<b>Capacity</b>		t	1.1 to 1.5				
1. Manufacturer			M/s Consolidated Hoists Pvt. Ltd.,		Supplier :	M/s Greaves Cotton & Co. Ltd.,	
			Plot No. 29 & 30,			1, Dr. V. B. Gandhi Marg,	
			Gultekdi Industrial Estate,			Mumbai - 400 023	
			Pune - 411 023				
Model			(i)	(ii)	(iii)	(iv)	
Type			301	E 301	2E 301	3E 301	
			Swift	Swift	Swift	Swift	
			Electric	Electric	Electric	Electric	
Cap		t	1.5	1.5	1.5	1.5	
Lift H	max	mm	14000	24000	34000	44000	
2. Manufacturer/Supplier			M/s Pulling & Lifting Machines Pvt. Ltd.,				
			P. B. No. 1042, 12, Sri Ram Road, Civil Lines,				
			Delhi - 110 054				
Type			(i)	(ii)			
Cap		t	Ratchet, Manually operated	Electric Wire Rope			
			0.72 to 1.5	Custom Built			
3. Manufacturer/Supplier			M/s Sayaji Iron & Engg. Co. Pvt. Ltd.,				
			Chhani Road,				
			Baroda - 390 002, Gujarat				
Type			Electric Wire Rope				
Cap		t	0.25 to 1.5				
Design			Stationary Push, Geared or Motorised Trolley				
4. Manufacturer/Supplier			M/s W. H. Brady and Co. Ltd.,				
			Brady House, P. B. No. 26,				
			12/14, Veer Nariman Road,				
			Mumbai - 400 023				
Type			Morris Hand Chain				
Cap		t	1.5				
Track W Range I		mm	100 to 140				
Track W Range II		mm	150 to 210				
<b>Capacity</b>		t	1.6 to 2.0				
1. Manufacturer			M/s Consolidated Hoists Pvt. Ltd.,		Supplier :	M/s Greaves Cotton & Co. Ltd.,	
			Plot No. 29 & 30,			1, Dr. V. B. Gandhi Marg,	
			Gultekdi Industrial Estate,			Mumbai - 400 023	
			Pune - 411 037				

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model	:	(i)	(ii)	(iii)	(iv)	(v)	(vi)
Type	:	E 204	E 202	2E 202	3E 202	T 201	TE 201
	:	Swift	Swift	Swift	Swift	Swift	Swift
	:	Electric	Electric	Electric	Electric	Electric	Electric
Cap	t	2	2	2	2	2	2
Lift H	max mm	750	13500	18500	23500	17000	27000
Model	:	(vii)	(viii)	(ix)	(x)	(xi)	
Type	:	T 2E 201	T 3E 201	204	202	LR E 204 MD	
	:	Swift	Swift	Swift	Swift	with	
	:	Electric	Electric	Electric	Electric	LR Drums	
Cap	t	2	2	2	2	2	
Lift H	max mm	37000	47000	5000	8500	-	
Hoist motor	HP	-	-	2	3.5	3.5	
	kW	-	-	1.47	2.57	2.59	
Cross travel motor	HP	-	-	0.6	0.6	0.6	
	kW	-	-	0.44	0.44	0.44	
2. Manufacturer	:	M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080			Supplier : M/s Batliboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Mumbai - 400 023		
Model	:	(i)	(ii)	(iii)	(iv)	(v)	(vi)
Type	:	P201 & P102	-	-	-	-	-
	:	INDEF Heavy	Short	INDEF Medium	'BABY' with	'BABY' with	Fixed
	:	Duty & High	Headroom	Duty 'BABY'	Trolley	an Electric	Mounting
	:	Speed Wire		with Hook	Chain	Trolley	WRH-I
	:	Rope Electric		Suspension	Electric	Chain	WRH-II
	:	Chain		Chain			
Cap	t	2	2	2	2	2	2
Hoist motor	HP	5 & 3	5	1.5	-	-	-
	kW	3.7 & 2.2	3.7	-	-	-	-
Travel motor	HP	0.5 & 0.25	0.5	-	-	0.25	-
	kW	0.37 & 0.18	0.37	-	-	-	-
Lift H	max mm	6300, 11200, 18700, & 2800, 5600	2800, 5600- 9350 & 1110, 1230, 1500, 1110, 1230, 1500	-	-	-	2800, 5600, 9350 & 6300, 11200, 18700
3. Manufacturer/Supplier	:	M/s Pulling & Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Sri Ram Road, Civil Lines, Delhi - 110 054					
Type	:	(i)	(ii)				
	:	Ratchet,	Electric Wire Rope				
	:	Manually Operated					
Cap	t	0.75 to 2	Custom Built				
4. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018					





**N : Workshop Machinery, Miscellaneous Tools & Mixers**

3. Manufacturer/Supplier	:	M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat							
Type	:	Electric Wire Rope							
Design	:	Stationary Push, Geared or Motorised Trolley							
Cap	t	: 0.25 to 2.5							
<b>Capacity</b>	t	: 2.6 to 3							
1. Manufacturer	:	M/s Consolidated Hoists Pvt. Ltd., Plot No. 29 and 30, Gultekdi Industrial Estate, Pune - 411 037 (Maharashtra)	Supplier :	M/s Greaves Cotton & Co. Ltd., 1, Dr. V. B. Gandhi Marg, Mumbai - 400 023					
Model	:	(i) E 304	(ii) E 302	(iii) 2E 302	(iv) 3E 302	(v) 5E 302			
Type	:	Swift Electric	Swift Electric	Swift Electric	Swift Electric	Swift Electric			
Cap	t	: 3	3	3	3	3			
Lift H	max mm	: 6500	12000	17000	22000	12500			
Model	:	(vi) E 5302	(vii) 2E 5302	(viii) 3E 5302	(ix) T-301	(x) TE 301			
Type	:	Swift Electric	Swift Electric	Swift Electric	Swift Electric	with LR Drums			
Cap	t	: 3	3	3	3	3			
Lift H	max mm	: 19000	25500	32000	14000	24000			
Model	:	(xi) T 2E 301	(xii) T 3E 301	(xiii) T 5301	(xiv) TE 5301	(xv) T 2E 5301	(xvi) T 3E 5301		
Type	:	Swift Electric	Swift Electric	Swift Electric	Swift Electric	Swift Electric	Swift Electric		
Cap	t	: 3	3	3	3	3	3		
Lift H	max mm	: 34000	44000	45000	38000	51000	64000		
Model	:	(xvii) 304	(xviii) 302	(xix) E-304	(xx) 302	(xxi) -			
Type	:	Swift Electric Wire Rope	Swift Electric Wire Rope	Bi-Rail Crab	Bi-Rail Crab	Bi-Rail Crab with LR Drum			
Cap	t	: 3	3	3	3	3			
Hoist motor	HP	: 3.5	7.5	3.5	7.5	7.5			
	kW	: 2.57	5.52	-	-	5.52			
Cross travel	HP	: 0.6	0.6	0.6	0.6	0.6			
Motor	kW	: 0.44	0.44	-	-	0.44			
Lift H	max mm	: 4250	7000	6750	7000	3560			
2. Manufacturer	:	M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080	Supplier :	M/s Batliboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V.B. Gandhi Marg, Mumbai - 400 023					
Model	:	(i) P 301	(ii) -						
Type	:	Wire Rope Electric	Fixed Mounting						
Cap	t	: 3	3						
Hoist motor	HP	: 7.5	-						
	kW	: 5.5	-						
Travel motor	HP	: 0.5	-						
	kW	: 0.37	-						
Lift H max	mm	: 6200, 11200 & 18700	6200, 11200 & 18700						

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

---

3. Manufacturer/Supplier	:	M/s Pulling & Lifting Machines Pvt. Ltd., P. B. No. 1042, Civil Lines, Delhi - 110 054			
Type	:	(i)	(ii)		
Cap	t	Ratchet, Manually Operated	Electric Wire Rope		
		0.75 to 3	Custom built		
4. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018			
Model	:	30			
Type	:	Electric Wire Rope			
Cap	t	3			
Hoist motor	HP	5			
Travel motor	HP	0.50			
Lift H max	mm	9000			
5. Manufacturer/Supplier	:	M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat			
Type	:	Electric Wire Rope			
Design	:	Stationary Push, Geared or Motorised Trolley			
Cap	t	0.25 to 3			
6. Manufacturer/Supplier	:	M/s W. H. Brady & Co. Ltd., Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023			
Type	:	(i)	(ii)	(iii)	(iv)
		Morris Ropemaster	Morris Geared	Morris	Morris
		Close-Lift Travel	Travel	Electric	Hand Chain
		Electric Morris	Ropemaster	Travelling	
		Fixed Mounting		Ropemaster	
		Ropemaster			
Cap	t	3	3	3	3
Lift H max	mm	8000	8000	8000	-
Track W	mm	-	100 to 140	100 to 140	125 to 150
Range I	mm	-	150 to 210	150 to 210	180 to 210
Range II	mm	-			
<b>Capacity</b>	:	3.1 to 4			
1. Manufacturer	:	M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080	Supplier :	M/s Battliboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Mumbai - 400 023	
Model	:	(i)	(ii)		
Type	:	P 202	-		
	:	INDEF Heavy Duty & High Speed	Fixed Mounting		
	:	Wire Rope Electric			
Cap	t	4	4		

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

Hoist motor	HP	:	5	-	-
	kW	:	3.7	-	-
Travel motor	HP	:	0.75	-	-
	kW	:	0.55	-	-
Lift H max	mm	:	3150, 5600 & 9350	3150, 5600 & 9350	
2. Manufacturer/Supplier	: M/s Pulling and Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Sri Ram Road, Civil Lines, Delhi - 110 054				
Type		:	(i) Ratchet, Manually Operated	(ii) Electric Wire Rope	
Cap	t	:	0.75 to 4	Custom Built	
3. Manufacturer/Supplier	: M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat				
Type		:	Electric Wire Rope		
Design		:	Stationary Push, Geared or Motorised Trolley		
Cap	t	:	0.25 to 4		
<b>Capacity</b>	t	:	5		
1. Manufacturer	: M/s Consolidated Hoists Pvt. Ltd., Plot No. 29 & 30, Gultekdi Industrial Estate, Pune - 411 037 (Maharashtra)				
			Supplier : M/s Greaves Cotton & Co. Ltd., 1, Dr. V. B. Gandhi Marg, Mumbai - 400 023		
Model		:	(i) E 504	(ii) E 502	(iii) 2E 502
Type		:	Swift	Swift	Swift
Cap	t	:	5	5	5
Lift H max	mm	:	6000	15500	21000
			(iv) 3E 502	(v) T 501	
Model		:	(vi) TE 501	(vii) T 2E - 501	(viii) T3E - 501
Type		:	Swift	Swift	Swift
			Electric	Electric	Electric
Cap	t	:	5	5	5
Hoist motor	HP	:	-	-	7.5
	kW	:	-	-	5.52
Cross travel	HP	:	-	-	0.6
Motor	kW	:	-	-	0.44
Lift H max	mm	:	31000	42000	53000
			(ix) 504	(x) LR E 504 MD	
Model		:	(x) 502	(xi) E 504	(xii) 502
Type		:	Swift	Bi - Rail	Bi - Rail
			Electric	Crab	Crab
Cap	t	:	5	5	5
Hoist motor	HP	:	10	7.5	10
	kW	:	7.4	-	7.4
Cross travel	HP	:	0.6	0.6	0.6
Motor	kW	:	0.44	-	0.44
Lift H max	mm	:	10000	6000	10000
			(xiii) with LR Drums		5340

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

---

2. Manufacturer/Supplier	:	M/s Pulling & Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Sri Ram Road, Civil Lines, Delhi - 110 054			
Type	:	(i)	(ii)		
Cap	t	: Ratchet, Manually Operated	Electric Wire Rope		
		: 0.75 to 5	Custom Built		
3. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018			
Model	:	50			
Type	:	Electric Wire Rope			
Cap	t	: 5			
Hoist motor	HP	: 5			
Travel motor	HP	: 0.5			
Lift H max	mm	: 9000			
4. Manufacturer/Supplier	:	M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat			
Type	:	Electric Wire Rope			
Design	:	Stationary Push, Geared or Motorised Trolley			
Cap	t	: 0.25 to 5			
5. Manufacturer/Supplier	:	M/s W. H. Brady & Co. Ltd Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023			
Type	:	(i)	(ii)	(iii)	(iv)
	:	Morris Hand Chain	Morris Geared Ropemaster Close-Lift Electric Morris Fixed Mounting Ropemaster	Morris Geared Travel Ropemaster	Morris Electric Travelling Ropemaster
Cap	t	: 5	5	5	5
Lift H max	mm	: -	6100	6100	6100
Track W	Range I	mm	: 125 to 150	-	125 to 140
	Range II	mm	: 180 to 210	-	150 to 210
<b>Capacity</b>	t	: 5.1 to 6			
1. Manufacturer	:	M/s Consolidated Hoists Pvt. Ltd., Plot No. 29 & 30, Gultekdi Industrial Estate, Pune - 411 037 (Maharashtra)	Supplier :	M/s Greaves Cotton & Co. Ltd., 1, Dr. V. B. Gandhi Marg, Mumbai - 400 023	
Model	:	(i)	(ii)	(iii)	(iv)
Type	:	T 302	TE-302	T 2E-302	T 3E-302
	:	Swift	Swift	Swift	Swift
	:	Electric	Electric	Electric	Electric
Cap	t	: 6	6	6	6
Lift H max	mm	: 7000	12000	17000	22000

N : Workshop Machinery, Miscellaneous Tools & Mixers

2. Manufacturer	:	M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080	Supplier :	M/s Batliboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Mumbai - 400 023			
Model	:	(i) P 302	(ii) -				
Type	:	Wire Rope Electric	Fixed Mounting				
Cap	t	7.5	-				
Travel motor	kW	5.5	-				
	HP	0.75	-				
	kW	0.55	-				
Lift H max	mm	3100, 5600 & 9350	3100, 5600 & 9350				
3. Manufacturer/Supplier	:	M/s Pulling and Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Sri Ram Road, Civil Lines, Delhi - 110 054					
Type	:	(i) Ratchet, Manually Operated	(ii) Electric Wire Rope				
Cap	t	0.75 to 6	Custom Built				
4. Manufacturer/Supplier	:	M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat					
Type	:	Electric Wire Rope					
Design	:	Stationary Push, Geared or Motorised Trolley					
Cap	t	0.25 to 6					
<b>Capacity</b>	t	6.1 to 7.5					
1. Manufacturer	:	M/s Consolidated Hoists Pvt. Ltd., Plot No.29 and 30, Gultekdi Industrial Estate, Pune - 411 037 (Maharashtra)	Supplier :	M/s Greaves Cotton & Co. Ltd., 1, Dr. V. B. Gandhi Marg, Mumbai - 400 023			
Model	:	(i) E 7504	(ii) 2E 7504	(iii) 3E 7504	(iv) 4E 7504	(v) 7504	(vi) E 7504
Type	:	Swift Electric	Swift Electric	Swift Electric	Swift Electric	Swift Electric	Swift Bi-Rail Crab
Cap	t	7.5	7.5	7.5	7.5	7.5	7.5
Lift H max	mm	7500	10500	13000	16000	4700	7500
Hoist motor	HP	-	-	-	-	10	10
	kW	-	-	-	-	7.4	-
Cross travel	HP	-	-	-	-	0.9	0.9
Motor	kW	-	-	-	-	0.66	-
2. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt.Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018					
Model	:	75					
Type	:	Electric Wire Rope					
Cap	t	7.5					
Hoist motor	HP	7.5					
Travel motor	HP	0.75					
Lift H max	mm	9000					

N : Workshop Machinery, Miscellaneous Tools & Mixers

3. Manufacturer/Supplier : M/s Sayaji Iron & Engg. Co. Pvt. Ltd.,  
Chhani Road,  
Baroda - 390 002, Gujarat

Type : Electric Wire Rope  
Design : Stationary Push, Geared or Motorised Trolley  
Cap t : 0.25 to 7.5

4. Manufacturer/Supplier : M/s W. H. Brady & Co. Ltd  
Brady House, P. B. No. 26,  
12/14, Veer Nariman Road,  
Mumbai - 400 023

Type : Morris Hand Chain  
Cap t : 7.5  
Track W Range I mm : 140 to 210

**Capacity** t : 7.5 to 10

1. Manufacturer : M/s Consolidated Hoists Pvt. Ltd., Supplier : M/s Greaves Cotton & Co. Ltd.,  
Plot No. 29 & 30, 1, Dr. V. B. Gandhi Marg,  
Gultekdi Industrial Estate, Mumbai - 400 023  
Pune - 411 037 (Maharashtra)

	(i)	(ii)	(iii)	(iv)	(v)
Model	E - 1004	2E - 1004	3 E - 1004	4E - 1004	T - 502
Type	Swift	Swift	Swift	Swift	Swift
Cap t	Electric	Electric	Electric	Electric	Electric
Lift H max mm	10	10	10	10	10
	7500	10500	13000	16000	10000
Model	(vi) TE 502	(vii) T 2E - 502	(viii) T3E - 502	(ix) 1004	(x) E - 1004
Type	Swift	Swift	Swift	Swift	Swift Bi-Rail
	Electric	Electric	Electric	Electric	Crab
Cap t	10	10	10	10	10
Hoist motor HP	-	-	-	10	10
	-	-	-	7.4	-
Cross travel HP	-	-	-	2 x 0.6	1.3
Motor kW	-	-	-	2 x 0.44	-
Lift H max mm	15500	21000	26500	4700	7500

2. Manufacturer : M/s Hercules Hoists Ltd., Supplier : M/s Battiboi & Co. Ltd.,  
L. B. Shastri Marg, Mulund, Apeejay House, 6th Floor,  
Mumbai - 400 080 Dr. V. B. Gandhi Marg,  
Mumbai - 400 023

	(i)	(ii)
Model	P 303	-
Type	Wire Rope Electric	Fixed Mounting
Cap t	10	10
Hoist motor HP	7.5	-
	kW : 5.5	-
Travel motor HP	2 x 0.75	-
	kW : 2 x 0.55	-
Lift H max mm	3700 & 6230	3700 & 6230

N : Workshop Machinery, Miscellaneous Tools & Mixers

3. Manufacturer/Supplier	:	M/s Sikka N Sikka Engineers Pvt. Ltd., D - Shiv Sagar Estate, Worli, Mumbai - 400 018			
Model	:	100			
Type	:	Electric Wire Rope			
Cap	t	:	10		
Hoist motor power	HP	:	7.5		
Travel motor power	HP	:	1		
Lift H	mm	:	9000		
4. Manufacturer/Supplier	:	M/s Sayaji Iron & Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat			
Type	:	Special High Lifts			
Cap	t	:	Upto 10		
Lift H Max	mm	:	Upto 28000		
5. Manufacturer/Supplier	:	M/s W. H. Brady & Co. Ltd Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023			
Type	:	(i)	(ii)		
Design	:	Morris Hand Chain	Electric Wire Rope		
Cap	t	:	Stationary; Push, Geared or Motorised Trolley		
Track W	mm	:	0.25 to 10		
Range I	mm	:	-		
Capacity	t	:	Above 10		
1. Manufacturer	:	M/s Consolidated Hoists Pvt. Ltd., Plot No. 29 & 30, Gultekdi Industrial Estate, Pune - 411 037 (Maharashtra)	Supplier :	M/s Greaves Cotton & Co. Ltd., 1, Dr. V. B. Gandhi Marg, Mumbai - 400 023	
Model	:	(i) 2E-1506	(ii) 3E-1506	(iii) T 2E-7503	(iv) T 3E-7506
Type	:	Swift	Swift	Swift	Swift
Cap	t	:	Electric	Electric	Electric
Lift H	mm	:	15	15	15
		:	7000	8500	14000
		:			17000
Model	:	(v) T 4E-7503	(vi) T 5E-7503	(vii) 2E-1506	
Type	:	Swift	Swift	Swift	
Cap	t	:	Electric	Electric	Electric Wire Rope
Lift H	mm	:	15	15	15
Hoisting motor	HP	:	20000	23000	7000
		:	-	-	10
		:	-	-	7.4
Cross travel	HP	:	-	-	2 x 0.9
Travel	kW	:	-	-	2 x 0.66
2. Manufacturer/Supplier	:	M/s Power Build Ltd., Anand Sujitra Road, Vallabh Vidhyanagar - 388 120, Gujarat			
Type	:	Electric Wire Rope			
Cap	t	:	32		



**N : Workshop Machinery, Miscellaneous Tools & Mixers**

3. Manufacturer/Supplier	:	M/s W. H. Brady & Co. Ltd Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023	
Type	:	(i)	(ii)
Design	:	Morris Hand Chain	Morris Hand Chain
Cap	t	15	20
Track W	mm	140 to 210	150 to 210
Range l	mm	140 to 210	-

**(j) Hydro Electric Auto Lift**

1. Manufacturer/Supplier	:	M/s Elgi Equipments Ltd., India House, Trichy Road, Coimbatore - 641 018			
Model	:	(i)	(ii)	(iii)	(iv)
Type	:	-	-	PU 4	2 PU 8
Cap	kg	-	Two wheeler lift	-	-
Power	kW	2000	400	4000	8000
Operating PR	kg/sq cm	1.5	-	-	-
Lift H max	mm	-	-	10	10
Hydraulic pump - air Pr	kg/sq cm	1800	-	-	-
		-	8	-	-

**(k) Trolleys**

**Capacity** t : Up to 0.5

1. Manufacturer/Supplier	:	M/s Mechanical Movements Pvt. Ltd., 3, Netaji Subhash Marg, New Delhi - 110 002				
Model	:	(i)	(ii)	(iii)	(iv)	(v)
Type	:	-	MMT-1	MMT-2	-	-
Cap	t	Drum Lifter	Rubber Tyred Bush Bearing Wheels	Rubber Tyred Bush Bearing Wheels	Platform	Platform
Cap	t	0.220	-	-	0.250	0.250
Type	:	(vi)	(vii)	(viii)	(ix)	(x)
Cap	t	Cable	Cable	Side Loading	Sack Truck	Tipping Hand Truck
Type	:	(xi)	(xii)	(xiii)	(xiv)	
Cap	t	0.250	0.500	0.250	0.250	0.250
Type	:	Box	Battery	Bobin	Cage	
Cap	t	0.110 to 0.5	0.050	Custom Built	Custom Built	
2. Manufacturer/Supplier	:	M/s W. H. Brady & Co. Ltd., Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023				
Type	:	(i)				(ii)
Cap	t	Morris Flexible Switch Type Overhead Travelling				Morris Push Ungearred or Geared Travel Overhead Travelling
		0.500				0.500

**N : Workshop Machinery, Miscellaneous Tools & Mixers**

---

<b>Capacity</b>	t	: 0.51 to 1.0		
1. Manufacturer	:	M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080	Supplier :	M/s Batliboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Mumbai - 400 023
Type	:	(i) INDEF Monorail Pull-Push	(ii) INDEF Monorail Geared Travel	(iii) INDEF Monorail Electric Travelling
Cap	t	: 1	1	1
Motor power	HP	: -	-	0.25
2. Manufacturer/Supplier	:	M/s Mechanical Movements Pvt. Ltd., 3, Netaji Subhash Marg, New Delhi - 110 002		
Type	:	Platform		
Cap	t	: 1		
3. Manufacturer/Supplier	:	M/s W. H. Brady & Co. Ltd Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023		
Type	:	(i) Morris Flexible Switch Overhead Travelling	(ii) Morris Push (Ungeared) or Geared Travel Overhead Travelling	
Cap	t	: 1	0.2 to 1	
<b>Capacity</b>	t	: Above 1.0		
1. Manufacturer	:	M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080	Supplier :	M/s Batliboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Fort, Mumbai - 400 023
Type	:	(i) INDEF Monorail Pull-Push	(ii) Geared Travel	(iii) Electric Travel
Cap	t	: 2	2	3
Motor	HP	: -	-	0.25
Type	:	(v) Geared Travel	(vi) -	(vii) -
Cap	t	: 3	5	10
				(viii) INDEF Manual or Electric
2. Manufacturer/Supplier	:	M/s Mechanical Movements Pvt. Ltd., 3, Netaji Subhash Marg, New Delhi - 110 002		
Type	:	(i) Welders Fitted with 2 Nos Solid Rubber Bush Bearing Wheels	(ii) Drum Lifter Fitted with 254 mm x 50.8 mm Solid Rubber Bush Bearing Wheels Upto 0.045	(iii) Tipping Wagon Fitted with 304.8 mm Dia Wheels
Cap	cu m	: -	-	1

3. Manufacturer/Supplier : M/s W. H. Brady & Co. Ltd.,  
Brady House, P. B. No. 26,  
12/14, Veer Nariman Road,  
Mumbai - 400 023
- Type : Morris Push Ungearred or Geared Travel Overhead Travelling  
Cap t : 1.1 to 20

## N II MISCELLANEOUS TOOLS

### 1. Abrasive Cutting-Off Machine

1. Manufacturer/Supplier : M/s G R. Industries,  
10, Jessore Road,  
Calcutta - 700 020
- Type : GR  
: For Solid Rounds, Pipes, Drills, Bushes, Tool Bits, Etc.

### 2. Aero Riveter

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

		(i)	(ii)
Model	:	3 X	4 X
Type	:	CP	CP
Cap Steel	mm	4	5
Blows/Min	:	2500	1900
Wt with Regulator	kg	1.5	1.7
L	mm	193.2	219.1

### 3. Band Sawing and Filing Machine

1. Manufacturer/Supplier : M/s G. R. Industries,  
10, Jessore Road,  
Calcutta - 700 020
- Throat Depth mm : 450 to 900  
: In 4 Different Models

### 4. Bench Swivel Surface Grinder

1. Manufacturer/Supplier : M/s G. R. Industries,  
10, Jessore Road,  
Calcutta - 700 020
- : For Toolroom Work, Engine Plants, etc.

### 5. Broaching Machines

1. Manufacturer/Supplier : M/s Bemco Hydraulics Ltd.,  
Udyambag,  
Belgaum - 590 008, Karnataka
- Type : Horizontal  
Cap kN : 40, 63, 100, 160, 250  
Strokes mm : 1000, 1600, 2000, 2500, Vertical Open Throat Push Type Custom Built

N : Workshop Machinery, Miscellaneous Tools & Mixers

**6. Chains**

<b>Lifting Capacity</b>	t	Up to 10				
1. Manufacturer/Supplier	:	M/s Indian Link Chain Manufacturers Ltd., L. B. Shastri Marg, Bhandup, Mumbai - 400 078				
		Hercules Mild Steel Type				
Grade	:	(i)	(ii)	(iii)	(iv)	(v)
Lifting cap	t	30	30	30	30	30
		0.45	0.80	1.2	1.5	2.0
Grade	:	(vi)	(vii)	(viii)	(ix)	(x)
Lifting cap	t	30	30	30	30	30
		3.2	5.0	6.3	8	10
		Indalloy Steel Link Type				
Grade	:	(xi)	(xii)	(xiii)	(xiv)	(xv)
Lifting cap	t	30	80	63	80	63
		1.2	1.5	16	20	2.5
Grade	:	(xvi)	(xvii)	(xviii)	(xix)	(xx)
Lifting cap	t	80	63	63	80	63
		3.2	3.5	5	4.5	6.3
Grade	:	(xxi)	(xxii)	(xxiii)	(xxiv)	(xxv)
Lifting cap	t	80	63	80	63	80
		6.3	8	8	10	10
		Indalloy Cage Suspension Type				
Lifting cap	t	(xxvi)	(xxvii)	(xxviii)	(xxix)	
		3	5	7.5	10	
Type	:	(xxx) Indalloy Sling				
Lifting cap	t	0.5 to 10				
Chains						
Lifting capacity	t	Above 10				
1. Manufacturer/Supplier	:	M/s Indian Link Chain Manufacturers Ltd., L. B. Shastri Marg, Bhandup, Mumbai - 400 078				
		Indalloy Steel Link Type				
Grade	:	(i)	(ii)	(iii)	(iv)	(v)
Lifting cap	t	63	80	80	63	63
		12	12.5	15	16	20
Grade	:	(vi)	(vii)	(viii)	(ix)	
Lifting cap	t	63	63	30	-	
		22.5	25	12.5	Upto 50	
		Indalloy Conveyor & Coal Cutter Type				
Test load	t	(x)	(xi)	(xii)		
		11 to 37	15 to 53	20 to 68		

**(7) Chippers**

1. Manufacturer/Supplier	: M/s Chicago Pneumatic India Ltd., 301/302, L. B. Shastri Marg, P. B. No. 7761, Mulund, Mumbai - 400 080		
Model	(i)	(ii)	(iii)
Type	: 4123 PYSE/PYSA	: 4123 PYRE/PYRA	: 4123 PYBE/PYBA
Blows/Min	: Simplate	: Simplate	: Simplate
Wt	: 1920	: 2400	: 2800
Wt kg	: 6.5	: 5.9	: 5.5
Air Consumption cu m/min	: 0.99	: 0.93	: 0.85
Model	(iv)	(v)	(vi)
Type	: 4123 PYLE/PYLA	: 455 L	: CP 455 L
Blows/Min	: Simplate	: Weld Flux	: Weld Flux
Wt	: 3080	: 4200	: 4200
Wt kg	: 5.3	: 2	: 2
Air Consumption cu m/min	: 0.68	: 0.59	-
Handle	-	-	: Lever Blower Type

**(8) Chipping Hammer**

1. Manufacturer/Supplier	: M/s Chicago Pneumatic India Ltd., 301/302, L. B. Shastri Marg, P. B. No. 7761, Mulund, Mumbai - 400 080		
Model	(i)	(ii)	(iii)
Type	: No. NC - 4	: No. 4123-PYSE	: No. NC - 2
Blows/Min	: Holman	: Holman	: Holman
Wt approx	: 1800	: 1920	: 2400
Wt approx kg	: 6.1	: 6.5	: 5.7
Overall L	: 384	: 387	: 321
Model	(iv)	(v)	
Type	: No. CP 4123 PYRE	: No. CP 4123 PYBE	
Blows/Min	: Holman	: Holman	
Wt Approx	: 2400	: 2820	
Wt Approx kg	: 5.9	: 5.5	
Overall L	: 327	: 308	

**(9) Couplings**

1. Manufacturer/Supplier	: M/s Fluidomat Limited., 7C-8J, Industrial Area, A. B. Road, Dewas - 455 001, Madhya Pradesh		
Type	: Fluidomat T Type SM : SMD : SMP : SF : WF : PCL SC : DUFL : IC Available in more than 70 models & sizes to suit requirements upto 3000 HP		

**(10) Cupola Blowers**

1. Manufacturer/Supplier	: M/s Engineering & Industrial Foundary Co. Ramnagar, Coimbatore - 642 009, Tamil Nadu		
--------------------------	--	--	--

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model	:	(i) CB/MS	(ii) CB/HS
Cap	cu m	: 35	50
Motor	HP	: 5	7.5
Blower Speed	rpm	: 3000	3000

**(11) Demolition Tools**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

Model No.	:	(i) CP-1230	(ii) CP-1170	(iii) CP-117	
Wt approx	kg	: 27.7	37.1	-	
Spring	kg	: -	-	35.1	
Operating pressure	kg/sq cm	: -	6.33	6.33	
Overall L	mm	: 680	733	730	
Model No.	:	(iv) CP-1175	(v) CP-1170	(vi) CP-1170-S	(vii) CP-9
Wt approx	kg	: -	37.1	38.4	3.5
Spring	kg	: 37	-	-	-
Operating Pressure	kg/sq cm	: 6.33	6.33	6.33	-
Overall L	mm	: 730	733	733	374.6

**(12) Dynamometers**

1. Manufacturer/Supplier : M/s Pulling and Lifting Machines Pvt. Ltd.,  
P. B. No. 1042, 12, Sri Ram Road, Civil Lines,  
Delhi - 110 054

Cap kg : 20,000

**(13) Hydraulic Motors**

1. Manufacturer/Supplier : M/s BEMCO Hydraulics Ltd.,  
Udyambag,  
Belgaum - 590 008, Karnataka

Model	:	(i) 200	(ii) 630
Displacement nominal	cc/rev	: 200	630
Working PR max	bar	: 250	250
Torque max	kgm	: 100	250
Speed max	rpm	: 800	800

**(14) Impact Wrenches**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model	:	(i) 3440-RSER	(ii) 606 RS	
Bolt size	mm	: 10	19	
Wt	kg	: 3.3	5.4	
Air consumption	cu m/min	: 0.62	0.99	
Model	:	(iii) 3440-RSEB	(iv) 606-RS	(v) 610-RP
Bolt size	mm	: 13	20	32
Socket Wt	kg	: 3.3	5.4	9.6
Model	:	(vi) 3440-RTSR	(vii) CD CP-3440-RTSR	
Wt	kg	: 3.5	3.5	
Air consumption	cu m/min	: 0.62	-	
Overall L	mm	: -	212	

**(15) Needle Scaler**

Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

Model	:	(i) CP 455 LNS
Type of Handle	:	Lever Blower Type
Blow/Min	:	4200
Wt approx	kg	: 3.1
Bore x Stroke	mm	: 23.8 x 25.4
Overall L	mm	: 450

**(16) Pneumatic Power Hammers**

1. Manufacturer/Supplier : M/s New Standard Engg. Co. Ltd.,  
N. S. E. Estate, Goregaon East,  
Mumbai - 400 063

Clear Space Type

Hammer size	cwt/mkgs	:	(i) 2	(ii) 3	(iii) 5	(iv) 10
Motor	HP	:	15	21 or 25	33	60
Wt	kg	:	110	170	280	580
Hammer size	cwt/mkgs	:	(v) 15	(vi) 20	(vii) 30	(viii) 40
Motor	HP	:	80	100	150	200
Wt	kg	:	490	1210	1750	2350

**(17) Presses**

1. Manufacturer/Supplier : M/s Batliboi And Co. Ltd.,  
Apeejay House,  
Dr. V. B. Gandhi Marg, Fort,  
Mumbai - 400 001

Fly Single Sides Type

Size	:	(i) 0	(ii) 1	(iii) 2	(iv) 3	(v) 4
Wt with wheel net approx	kg	:	-	75	100	130
Size	:	(vi) 5	(vii) 6	(viii) 8	(ix) 8	(x) 10
Wt with wheel net approx	kg	:	185	265	345	500

N : Workshop Machinery, Miscellaneous Tools & Mixers

2. Manufacturer/Supplier	:	M/s BEMCO Hydraulics Ltd., Udyambag, Belgaum - 590 008, Karnataka		
Type	:	(i) Scrap Baling Two-Side Compaction	(ii) Scrap Baling Two-Side Compaction	
Cap	kN	: 500 - 160	: 800 - 400	
Bale Wt	kg	: 15 - 20	: 25 - 35	
Chamber size	mm	: 300 x 600 x 600	: 350 x 800 x 800	
Bale size	mm	: 300 x 300 x 150 to 200 Custom Built	: 350 x 350 x 150 to 200 Custom Built	
Type	:	(iii) Throat	(iv) Deep Drawing	
Cap	kN	: 63 to 1000	: 100 to 1000	
Strokes	mm	: 315 x 1000	: 315 to 1000	
Table size B x L	mm	: 315 x 400 to 630 x 800 Custom Built	: 800 x 800 to 5000 x 5000 Custom Built	
Type	:	(v) Moulding	(vi) Powder Compacting	
Cap	kN	: 100 to 1000	: 200 to 1000	
Strokes	mm	: 315 x 1000	: 315 to 1000	
Table size B x L	mm	: 315 x 315 to 1000 x 1000 Custom Built	: 400 x 400 to 1250 x 1250 Custom Built	
Type	:	(vii) Horizontal Forcing	(viii) Three-Side Compaction	
Cap	kN	: 1000	: 630	
Strokes	mm	: 400 x 800	-	
Bale Wt	kg	-	: 60 - 80	
Chamber size	mm	-	: 900 x 800 x 1000	
Bale size	mm	- Custom Built	: 300 x 300 x 300 Custom Built	
Type	:	(ix) Throat	(x) Deep Drawing	
Cap	kN	: 1001 to 5000	: 1001 to 10,000	
Strokes	mm	: 1000 x 1600	: 1000 to 1600	
Table size B x L	mm	: 315 x 400 to 630 x 800 Custom Built	: 800 x 800 to 5000 x 5000 Custom Built	
Type	:	(xi) Moulding	(xii) Powder Compacting	(xiii) Horizontal Forcing
Cap	kN	: 1001 to 10,000	: 1001 to 20,000	: 1001 to 12,500
Strokes	mm	: 1000	: 1000 to 1600	: 400 to 800
Table size B x L	mm	: 315 x 315 to 1000 x 1000 Custom Built	: 400 x 400 to 1250 x 1250 Custom Built	- Custom Built



N : Workshop Machinery, Miscellaneous Tools & Mixers

Type		(xiv)	(xv)
		Scrap Baling	Scrap Baling
		Two Side Compaction	Three Side Compaction
Cap	kN	1250 to 6300	2000 to 1250
Bale Wt	kg	-	60 - 80
Chamber size	mm	450 x 1000 x 1000	900 x 800 x 1000
Bale size	mm	450 x 450 x 200 to 250 Custom Built	300 x 300 x 300 Custom Built
Type		(xvi)	(xvii)
		Powder	Inclinable & Fixed Bed
			Basic Parameters of Sand Moulding
Cap max	t	70	-
Power	HP	5	70
Workable size	mm	523 x 810	-
Production rate	mould/hr	-	160 to 180

**(18) Pulley Blocks**

<b>Capacity</b>	t	Up to 10	
1. Manufacturer		M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080	Supplier : M/s Batiiboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Mumbai - 400 023
Type		INDEF Chain	
Cap	t	0.5 to 10	
2. Manufacturer/Supplier		M/s W. H. Brady & Co. Ltd Brady House, P. B. No. 26, 12/14, Veer Nariman Road, Mumbai - 400 023	
Type		(i) Balanced Spur Gear	(ii) Built-In
Cap	t	0.5 to 10	Upto 10
<b>Capacity</b>	t	Above 10	
1. Manufacturer		M/s Hercules Hoists Ltd., L. B. Shastri Marg, Mulund, Mumbai - 400 080	Supplier : M/s Batiiboi & Co. Ltd., Apeejay House, 6th Floor, Dr. V. B. Gandhi Marg, Mumbai - 400 023
Type		(i) INDEF Chain	(ii) INDEF Chain
Cap	t	10.1 to 40	15
Time for lift of 1 M	min	-	7
2. Manufacturer/Supplier		M/s Pulling & Lifting Machines Pvt. Ltd., P. B. No. 1042, 12, Sri Ram Road, Civil Lines, Delhi - 110 054	(iii) INDEF Chain 20 10
Type		Somson Chain	
Cap	t	Upto 30	

N : Workshop Machinery, Miscellaneous Tools & Mixers

3. Manufacturer/Supplier : M/s W. H. Brady & Co.Ltd  
Brady House, P. B. No. 26,  
12/14, Veer Nariman Road,  
Mumbai - 400 023

Type : Balanced Spur Gear  
Cap t : 10.1 to 20

**(19) Ratchet Handles/Adoptors**

1. Manufacturer/Supplier : M/s Powermaster Industrial Equipments Pvt.Ltd.,  
229, (New) Todi Industrial Estate,  
316, N. M. Joshi Marg, Chinchpokli,  
Mumbai - 400 011

Model		(i)	(ii)	(iii)	(iv)
PHR - 38		PHR - 38	PHR - 50	PHR - 75	PHR - 100
Type	(a)	Ratchet	Ratchet	Ratchet	Ratchet
		Handles	Handles	Handles	Handles
Sq. drive	mm	9.5	12.5	19.0	25.0
Overall L	mm	300	375	600	875

Model		(v)	(vi)	(vii)	(viii)
PRA 38		PRA 38	PRA 50	PRA 75	PRA 100
Type	(b)	Ratchet	Ratchet	Ratchet	Ratchet
		Adoptors	Adoptors	Adoptors	Adoptors
Sq. drive	mm	9.5	12.5	19.0	25.0
Overall L	mm	50	68	98.0	110.0

**(20) Rivet Cutters**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

Model		(i)	(ii)
CP 4181 - PVSER(CP-81 X)		CP 4181 - PVSER(CP-81 X)	CP 4181 - PVSER(CP-11 X)
Type		CP	CP
Rivet Cutting Dia	mm	24.2	27
Wt approx	kg	1080	720
Blows/Min approx		13.2	15
Overall L	mm	584	660

**(21) Riveting Hammers**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

Model		(i)	(ii)
No.3 Simplate		No.3 Simplate	4689 Pubar(Boyer No.50)
Type		CP	CP
Steel rivet dia(hot) cap	mm	14	20
Blows/Min approx		2100	1500
Wt approx	kg	7	7.6
Overall L	mm	425	430

N : Workshop Machinery, Miscellaneous Tools & Mixers

		(iii)	(iv)
Model	:	4689 Pugar (Boyer No.60)	4689 Pugar (Boyer No.80)
Type	:	CP	CP
Steel rivet dia(hot) cap	mm	1320	1200
Blows/Min approx	mm	24	30
Wt approx	kg	8.6	9.4
Overall L	mm	470	523

**(22) Riverting Tools**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

		(i)	(ii)	(iii)
Model	:	3x	4x	No.3
Type	:	Light Riverters	Light Riverters	Heavy Riverters
Cap steel	mm	4	4.5	14
Blow/Min		2500	1900	2100
Wt	kg	1.5	1.7	6.9
Air consumption	cu m/min	0.37	0.42	0.93

		(iv)	(v)	(vi)
Model	:	4689 PUBAR	4689 PUBAR	4689 PUGAR
Type	:	Heavy Riverters	Heavy Riverters	Heavy Riverters
Cap steel	mm	19	24	30
Blow/Min		1500	1320	1200
Wt	kg	9.1	10.1	10.9
Air consumption	cu m/min	1.08	1.16	1.19

		(vii)	(viii)
Model	:	4181 - PUSER	4181 - PUSER
Type	:	Rivet Cutters	Rivet Cutters
Cap steel	mm	22.2	25.4
Blow/Min		-	-
Wt	kg	13.2	15.0
Air consumption	cu m/min:	1.16	1.27

**(23) Sand Rammers**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

		(i)	(ii)	(iii)
Model	:	4 RV	CP - 3	CP - 1
Blow/Min		750	800	850
Wt	kg	20	12	5.7
Butt Dia	mm	184	127	73

		(iv)	(v)
Model	:	CP 4003 Lyra(CP 3)	CP 4711 Lyra (CP 1)
Type	:	CP 'Simplate'	CP 'Simplate'
Blows/Min		800	850
Wt approx	kg	10.9	4.2

**(24) Tampers**

1. Manufacturer/Supplier : M/s Chicago Pneumatic India Ltd.,  
301/302, L. B. Shastri Marg,  
P. B. No. 7761, Mulund,  
Mumbai - 400 080

			(i)	(ii)
Model	:		CP -387	CP - 487
Type	:		CP Triple	CP Triple
Wt net	kg	:	53	84
Blow/Min		:	800	750
Butt Dia	mm	:	127	184

			(iii)
Model	:		CP - 4RV
Type	:		Ring Valve
Wt Net	kg	:	20 (with Butt)
Blows/Min		:	750
But Dia		:	-

**(25) Tool Kits**

1. Manufacturer/Supplier : M/s Powermaster Torque Systems Pvt. Ltd.  
229, (New) Todi Industrial Estate,  
316, N. M. Joshi Marg, Chinchpokli,  
Mumbai - 400 011

i) Standard Range Service Tool Sets  
ii) General Service Tool Kit Mechanics Breakdown Tool Sets  
iii) Super Maintenance Breakdown Tool Set  
iv) Basic Service Tool Kit  
v) Electrician Tool Kit  
vi) Garage Mechanics Maintenance Tool Kit  
vii) General All-Purpose Tool Kit  
viii) Fitter's Special Tool Kit  
ix) Machine Shop-Maintenance Tool Set

**(26) Torque Wrenches**

1. Manufacturer/Supplier : M/s Powermaster Industrial Equipments Pvt. Ltd.,  
229, (New) Todi Industrial Estate,  
316, N. M. Joshi Marg, Chinchpokli,  
Mumbai - 400 011

Adjustable Click Built-in Ratchet Type

			(i)	(ii)	(iii)
Model	:		TQW 1, TQW/R 1	TQW 2, TQW/R 2	TQW 3, TQW/R 3
Torque range	kgfm	:	0.3 to 1.4	0.5 to 3.5	1 to 7
Sq. drive	mm	:	9.5	9.5	12.5
Overall L	mm	:	250	340	400
Wt approx	kg	:	0.6	0.7	1.5
			(iv)	(v)	(vi)
Model	:		TQW 4, TQW/R 4	TQW 5, TQW/R 5	TQW 6A, TQW/R 6A
Torque range	kgfm	:	3 to 14	5 to 22	7 to 35
Sq. drive	mm	:	12.5	12.5	12.5
Overall L	mm	:	460	600	690
Wt approx	kg	:	2.0	2.7	3.5

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model		(vii)	(viii)	(ix)
Torque range	kgfm	TQW 6B, TQW/R6B	TQW 7, TQW/R 7	TQW 8, TQW/R8
Sq. drive	mm	7 to 35	14 to 56	49 to 105
Overall L	mm	19.0	19.0	19.0
Wt approx	kg	690	910	1225
		4.0	7.4	13.0
Model		(x)	(xi)	(xii)
Torque range	kgfm	TQW 9, TQW/R 9	TQW 10, TQW/R 10	TQW 11, TQW/R 11
Sq. drive	mm	55 to 140	105 to 195	170 to 255
Overall L	mm	25.0	25.0	25.0
Wt approx	kg	1155	1155	1290
		15.5	16.5	19.5
Type		(xiii)		(xiv)
		Crowfoot Wrenches, Open Jaw	Type	Slugging Wrenches
		Ring Type Open Ring	Model	MSW 36 to 80
			Wrench "AF"	mm : 36 to 80
			Head depth	mm : 25 to 54
			Head Dia	mm : 55 to 116
			Overall L	mm : 207 to 358

**(27) Torque Multipliers**

1. Manufacturer/Supplier : M/s Powermaster Industrial Equipments Pvt. Ltd.,  
229, (New) Todi Industrial Estate,  
316, N.M. Joshi Marg, Chinchpokli,  
Mumbai - 400 011

Model		(i)	(ii)	(iii)	(iv)
Type		BTM 1	BTM 2	BTM 2/25	BTM - 5
Multiplication factor		Hand	Hand	Hand	Hand
		5	5	25	5
Model		(v)	(vi)	(vii)	(viii)
Type		BTM 5/25	BTM 6	BTM 6/25	BTM 7
Multiplication factor		Hand	Hand	Hand	Hand
		25	5	25	5
Model		(ix)	(x)		
Type		BTM 7/25	BTM 9/25		
Max output torque	kgfm	Hand	Hand		
Multiplication factor		622	968		
		25	25		

**N III MIXERS**

**N III (1) Concrete Mixers**

**(a) Concrete Mixer Tilting Type**

**Capacity** Lit : 280 to 300

1. Manufacturer/Supplier : M/s ACME Manufacturing Co. Ltd.,  
Victoria House, Victoria Road,  
Mumbai - 400 027

(i) Model : 10/7 HF  
Type : Tilting  
Cap unmixed Lit : 280

N : Workshop Machinery, Miscellaneous Tools & Mixers

Cap mixed	Lit	:	200	
Drum opening	mm	:	510	
Drum speed	rpm	:	20/22	
Discharge	mm	:	500	
Transmission		:	Roller Chain	
Towing speed	km/hr	:	20	
Wt basic machine approx	kg	:	1000	
(ii) Model		:	10/7 HL-BW	
Cap unmixed	Lit	:	290	
Cap mixed	Lit	:	200	
Drum opening	mm	:	535	
Drum speed	rpm	:	18/20	
Discharge	mm	:	600	
Towing speed	km/hr	:	20	
Wt Basic machine approx	kg	:	1510	
(iii) Model		:	10/7 BL	
Type		:	Tilting	
Cap unmixed	Lit	:	300	
Cap mixed	Lit	:	200	
Drum opening	mm	:	535	
Drum speed	rpm	:	18/20	
Discharge	mm	:	700	
Wt basic machine approx	kg	:	1500	
2. Manufacturer/Supplier		:	M/s C. Comens & Sons Ltd., 103/3, Diamond Harbour Road, Calcutta - 700 088	
Type		:	(i) Tilting Hand-Fed (ii) Concrete Mixer	
Cap	Lit	:	140/100 200/140	
Drum		:	Large Diameter Gaded Cast Iron Drum	
Frame		:	Sturdy & Light MS Cast Iron Wheels & Arrangement Fabricated Frame Swivelling Draw-Bar	
3. Manufacturer/Supplier		:	M/s Sayaji Iron And Engg. Co.Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat	
Cap Mixed	Lit	:	(i) 100 (ii) 140 (iii) 200	
Drum		:	Portable/Stationary Double Cone Reversible Lifting	

**(b) Concrete Mixer Non Tilting Type**

Capacity	Lit	:	300 to 750
1. Manufacturer/Supplier		:	M/s ACME Manufacturing Co. Ltd., Millars Construction Machinery Division, Antop Hill, Wadala, Mumbai - 400 037
Model		:	14/10 BNT
Cap unmixed	Lit	:	400
Cap mixed	Lit	:	300
Discharge	mm	:	750

N : Workshop Machinery, Miscellaneous Tools & Mixers

2. Manufacturer/Supplier	:	M/s C. Comens & Sons Ltd., 103/3 Diamond Harbour Road, Calcutta - 700 088		
Model	:	10 NT		
Cap	Lit	:	400/280	
Power	:	Air/Water Cooled Diesel Engine Electric Motor		
3. Manufacturer/Supplier	:	M/s Millars Machinery Company Ltd., Victoria House, Victoria Road, Mumbai - 400 027		
Model	:	(i)	(ii)	(iii)
Cap dry filling	Lit	:	250/375	375/500
Cap concrete	cu m	:	375	500
Cap input max for skip hoist	kg	:	12	16
Mixer motor	HP	:	550	750
Hoist motor	HP	:	4	6
			4	5
4. Manufacturer/Supplier	:	M/s Sayaji Iron & Engg.Co. Pvt. Ltd., Chhani Road, Baroda - 320 002, Gujarat		
Type	:	Drum		
Cap	Lit	:	Portable/Stationary Double Cone Reversible 280 to 700	

**(c) Concrete Mixer Transit Type**

1. Manufacturer/Supplier	:	M/s ACME Manufacturing Co. Ltd., Millars Construction Machinery Division, Antop Hill, Wadala, Mumbai - 400 037		
Model	:	(i)	(ii)	
Cap	cu m	:	HSTM 4	HSTM 6
Drum volume	cu m	:	4.0	6.0
Filling ratio	%	:	7.8	10.5
Power	HP	:	0.51	0.58
			40	57
2. Manufacturer/Supplier	:	M/s Sayaji Iron and Engg. Co. Pvt. Ltd., Chhani Road, Baroda - 390 002, Gujarat		
Cap	cu m	:	(i)	(ii)
			3	4.5

**(d) Concrete Batching And Mixing Plant**

1. Manufacturer/Supplier	:	M/s Millars Machinery Company Ltd., Victoria House, Victoria Road, Mumbai - 400 027		
Model	:	(i)	(ii)	(iii)
Cap max input	Lit	:	375 THZ	500 THZ
	kg	:	375	500
Output of compacted concrete per batch	cu m	:	600	800
Mixer motor	kW/HP	:	0.25	0.33
Hoist winch motor	kW/HP	:	11/15	15/20
			3/4	3/7.5
				750 THZ
				750
				1200
				0.5
				22/30
				5.5/7.5

N : Workshop Machinery, Miscellaneous Tools & Mixers

Model		(iv)	(v)	(vi)	
Cap max input	Lit	: 1125 THZ	: 1500 THZ	: 1875 THZ	
	kg	: 1800	: 2400	: 3000	
Output of compacted concrete per batch	cu m	: 0.75	: 1.0	: 1.25	
Mixer motor	kW/HP	: 30/40	: 37/50	: 55/75	
Hoist winch motor	kW/HP	: 7.5/10	: 11/15	: 11/20	
Model		(vii)	(viii)	(ix)	(x)
Cap max input	Lit	: 2250 THZ	: 3000 THZ	: 3750 THZ	: 4500 THZ
	kg	: 2250	: 3000	: 3750	: 4000
		: 3600	: 4800	: 6000	: 7200
Output of compacted concrete per batch	cu m	: 1.5	: 2.0	: 2.5	: 3.0
Mixer motor	kW/HP	: 55/75	: 75/100	: 90/125	: 110/150
Hoist winch motor	kW/HP	: 15/22	: 22/30	-	-

**(e) Roller Pan Mixer**

1. Manufacturer/Supplier : M/s ACME Manufacturing Co. Ltd.,  
Victoria House, Victoria Road,  
Mumbai - 400 027
- Type : Pan Type  
Cap Lit : 150  
Discharge mm : 320

**(f) Concrete Vibrator**

**Capacity** : 12000/15000 VPM

1. Manufacturer/Supplier : M/s C. Comens & Sons Ltd.,  
103/3 Diamond Harbour Road,  
Calcutta - 700 088
- |             |     |                   |                   |                   |
|-------------|-----|-------------------|-------------------|-------------------|
| Model       |     | (i)               | (ii)              | (iii)             |
| Prime mover |     | : CVP - 24        | : CVP - 26        | : CVP - 34        |
|             |     | : Villiers        | : Villiers        | : Villiers        |
|             |     | : MK-12/2         | : MK-12/2         | : MK - 25         |
|             |     | : Petrol/Paraffin | : Petrol/Paraffin | : Petrol/Paraffin |
|             |     | : Eninge          | : Eninge          | : Eninge          |
|             | HP  | : 1.95            | : 1.95            | : 3.4             |
|             | rpm | : 3000            | : 3000            | : 3000            |
| Shaft L     | m   | : 4               | : 6               | : 4               |
| Needle      |     | : COM - 1, 2, 3   | : COM - 1, 2      | : COM - 1, 2, 3   |
| Model       |     | (iv)              | (v)               | (vi)              |
| Prime mover |     | : CVP - 36        | : CVD - 44        | : CVD - 46        |
|             |     | : Villiers        | : Kirloskar       | : Kirloskar       |
|             |     | : MK - 25         | : Model KA - 27   | : Model KA-27     |
|             |     | : Petrol/Paraffin | : Air Cooled      | : Air Cooled      |
|             |     | : Eninge          | : Diesel Engine   | : Diesel Engine   |
|             | HP  | : 3.4             | : 4.3             | : 4.3             |
|             | rpm | : 3000            | : 3000            | : 3000            |
| Shaft L     | m   | : 6               | : 4               | : 6               |
| Needle      |     | : COM - 1, 2, 3   | : COM - 1, 2, 3   | : COM - 1, 2, 3   |
| Model       |     | (vii)             | (viii)            | (ix)              |
| Prime mover |     | : CVD - 54        | : CVD - 56        | : CVE - 24        |
|             |     | : Greaves         | : Greaves         | : A/C Electric    |
|             |     | : Lambardini      | : Lambardini      | : Motor           |



N : Workshop Machinery, Miscellaneous Tools & Mixers

		Model - 520	Model - 520	-
		Air Cooled	Air Cooled	-
		Diesel Engine	Diesel Engine	-
	HP	: 4.8	4.8	2
	rpm	: 3000	3000	2850/3000
	V	: -	-	400/440
	cycles	: -	-	50
Shaft L	m	: 4	6	4
Needle		: COM - 1, 2, 3	COM - 1, 2, 3	COM - 1, 2, 3
Needle specifications				
	Type	: -	-	COM - 1
	Dia mm	: -	-	25
	L mm	: -	-	469
		(x)	(xi)	(xii)
Model		: CVE - 26	CVE - 34	CVE - 36
Prime mover		: A/C Electric	A/C Electric	A/C Electric
		Motor	Motor	Motor
	V	: 400/440	400/440	400/440
	cycles	: 50	50	50
	HP	: 2	3	3
	rpm	: 2850/3000	2850/3000	2850/3000
Shaft L	m	: 6	4	6
Needle		: COM - 1, 2	COM - 1, 2, 3	COM - 1, 2, 3
Needle specifications				
	Type	: COM - 2	COM - 3	-
	Dia mm	: 40	60	-
	L mm	: 504	642	-
2. Manufacturer/Supplier		: M/s Chicago Pneumatic India Ltd., 301/302, L.B. Shastri Marg, P. B. No. 7761, Mulund, Mumbai - 400 080.		
Model		: CP - 2190		
Type		: CP		
Cap	cu m/hr	: 31		
Frequency	VPM	: 12,000		
Air consumption	cu m/min	: 1.84		
Wt	kg	: 12.3		
Vibration tube	L mm	: 349		
Vibration tube	Dia mm	: 63.5		

**N III (2) Asphalt Mixer**

1. Manufacturer/Supplier		: M/s ACME Manufacturing Co. Ltd., Victoria House, Victoria Road, Mumbai - 400 027		
Model		(i)	(ii)	(iii)
Type		: BB	EE	Highway Mixer
		: Cold Mix	Cold Mix	Combined Drying & Mixing
Cap batch	Lit	: 200	300	300
Cap paddle mixer	kg	: 325	550	-
Output	tph	: 5 to 8	15 to 20	6 to 8
Diesel engine	HP	: 12/14	18/20	-