

BHEL::HYDERABAD											
M&S-P&C DEPARTMENT											
TENDER REF.M&S//P&C/2019/05 DT.12/04/2019											
COMPREHENSIVE AMC OF MC,CP and Other AC Equipment Totalling 3437.5TR											
S.N o.	Block & Machine Name	Location Bay, Column	Asst no.	Capacity each in TR	Total TR	Machine Make, Year, Refregerant, Voltage	No. of units	Operating Input	Refrigerant	Capacity (kCal)	Year
I. CENTRAL PLANTS											
1	New Blade Shop Chiller	New blade shop	CP-35	400	400	Central Plant:- Carrier Chiller	1	415V, 3Ph	134A	1200000	2014
2	9FA Block	9 FA assy. block	CP -29 to 32	40 X 2	80	Central Plant : - Batliboi S.sealed	2	415V, 3Ph	22	120000	2009
3	02- Impregnation plant New	02- Cross Bay	CP - 33,34	50 X 2	100	Central Plant :- Carrier, 50 X 2 nos.	2	415V, 3Ph	407	300000	2012
4	02- OLD Impregnation plant	02- Block	CP -14/28	40 X 2	80	Central Plant : - Voltas 5H40	2	415V, 3Ph	22	120000	1-1988 2-2007
5	02-Coil winding (Taping section)	02- Block	CP -16	40	40	Central Plant : - Voltas 5H40	1	415V, 3Ph	22	120000	1988
6	06 - Central Archives	06-Annexure back side	CP -10	40	40	Central Plant : - Voltas 5H40	1	415V, 3Ph	22	120000	1984
7	29 Building Material lab.	90 Bldg. West side	CP -27	40	40	Central Plant : - Voltas 5H40	1	415V, 3Ph	22	120000	2000
8	91 Central gauging centre	91-Building	CP -18	40	40	Central Plant : - Voltas 5H40	1	415V, 3Ph	22	120000	1990
9	27 Stores (insulating material)	90 Bldg. West side	CP -20	20	20	Central Plant : - Voltas 5F20	1	415V, 3Ph	22	60000	1990
10	Gen.Hospital Mortuary	Right side of G.H	CP -12	10	10	Central Plant : - Danfoss Scrol 5x2	1	415V, 3Ph	22	30000	1988
11	Gen.Hospital Two Body Mortuary Unit	Right side of G.H	CP-36	1.5 x 2	3	Two Body Mortuary Unit	1	230V, 1Ph	407C	6000	2015
12	01 Comp.Testing CO2 bulk plant	Near Boiler house Back Side	CP -17	1.5	1.5	Central Plant : - Bitzer 111	1	415V, 3Ph	22	4500	1989
13	Deep Freezer Sub Zero treatment chamber	51-Bay 4 assb	CP-37	1	3	Deep Freezer : - Comet Environs	1	415V, 3Ph	404	3.5kW	2004
14	02 Rotor Winding Hall	02 Rotor Winding	CP-	56 X1 45.5 X1	101.5	Water Chiller- Blue Star	2	415V, 3Ph	407		2015
Total for Central AC					959.00		18				

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II . PACKAGE AIR CONDITIONERS												
1	Admn.Building HR dept.	Adm.G.floor	PKG - 133, 134	15.5 X 2	31	Package Plant : - Voltas 15.5 X 2	2	415V, 3Ph	22	93000	2011	
2	Admn.Building Conference hall	Adm.1st floor	PKG - 37, 38, 39	10 X 3	30	Package Plant : - B.Star 5X2sealed	3	415V, 3Ph	22	90000	1995	
3	Admn.Building (wages & finance)	Adm.1st floor	PKG-114 to123	17 X 10	170	Package Plant:-Carrier 8.5x2 each	10	415V, 3Ph	22	510000	2009	
4	Admn.Building Commercial dept.	Adm.3rdfloor	PKG - 97 to101	17 X 5	85	Package Plant:-Carrier 8.5x2 each	5	415V, 3Ph	22	255000	2008	
5	Admn.Building purchase dept.	Adm.4thfloor	PKG-106 to110	17 X 5	85	Package Plant:-Carrier 8.5x2 each	5	415V, 3Ph	22	255000	2008	
6	IT Bldg Data processing center	IT building	PKG-124 to127	17 X 4	68	Package Plant:-Carrier 8.5x2 each	4	415V, 3Ph	22	204000	2009	
7	Telephone Exchange	Adjustent to building	IT PKG - 53,54	15 X 2	30	Package Plant : - Voltas 6D 48x2	2	415V, 3Ph	22	90000	1999	
8	Project - Civil office	Near 90 build.	PKG-111 to113	17 X 3	51	Package Plant:-Carrier 8.5x2 each	3	415V, 3Ph	22	51000	2009	
9	Safety department	Near 'J' gate	PKG - 131, 132	17	17	Package Plant : - B.Star 8.5 X 2	1	415V, 3Ph	22	51000	2011	
10	6 MW diesel power house	Near 'J' gate	PKG - 48,49	10 X 2	20	Package Plant : - B.Star 5X2sealed	2	415V, 3Ph	22	120000	1997	
11	Gen.Hospital Operation Theatre	BHEL T/S	PKG -13, 52, 76,77	7.5 X 1 10 X 3	37.5	Package Plant : - B.Star 5X2sealed	4	415V, 3Ph	22	30000	1-1985 2-2000	
12	01- New Enggineering building.	Adjustent to Annex.	01 PKG-58to73	15 X 16	240	Package Plant : - Voltas 6D 48	16	415V, 3Ph	22	720000	1999	
13	01-GT Test Bed CR I & II	01 cross assembly	bay PKG - 24,25,26	7.5 X 3	22.5	Package Plant : - Voltas 6D 48	3	415V, 3Ph	22	22500	1987	
14	01-MAB testing	01- Block	PKG - 78	10	10	Package Plant : - B.Star 5X2sealed	1	415V, 3Ph	22	30000	2000	
15	01-5 axis CNC center	End bay of 01 block	PKG - 42 to 46	10 X 5	50	Package Plant : - B.Star 5X2sealed	5	415V, 3Ph	22	30000	1996	
16	01 - Buckets & Nozzles	End bay of 01 block	PKG - 80 to 85	17 X 6	102	Package Plant:-Carrier 8.5x2 each	6	415V, 3Ph	22	51000	2003	
17	70 PUMPS TESTING Control Room	70-TESTING	PKG - 151	17	17	Package Plant : - CARRIER	1	415V, 3Ph	22	15000	2015	
18	01 - SpinTest chilling unit	01 near compressor testing	PKG - 30	10	10	Package Plant : - Bock S.sealed	1	415V, 3Ph	404	30000	1997	
19	9 FA control rooms	9 FA test block	PKG - 128,129,130	8.3 X 2 11 X 1	27.5	Package Plant:- Batliboi8.3 x 2	3	415V, 3Ph	22	51000	2010	

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20	02 (EM) Engg. PC room	02 Annexure left side	PKG - 52, 53	10 X 2	20	Package Plant : - B.Star 5X2sealed	2	415V, 3Ph	22	60000	1997	
21	02 Test pit control room	02 - Block	PKG - 35	7.5	7.5	Package Plant : - Voltas 6D 48	1	415V, 3Ph	22	22500	1992	
22	02 Super Bay	03 - Block	PKG - 86 to 95	16.5 X 10	165	Package Plant:- Batliboi5.5x3each	10	415V, 3Ph	22	51000	2006	
23	06 Annexure Electronics Dept.	06 annex 1st floor	PKG - 96	11	11	Package Plant:- Batliboi5.5 x 2	1	415V, 3Ph	22	51000	2007	
24	06-kolb Control Room with 6D48	06-Bay-4 D-13	PKG - 40	7.5	7.5	Package Plant : - Voltas 6D 48	1	415V, 3Ph	22	22500	1995	
25	07 Jig boaring machine center	07-Bay-1 A-12	PKG - 12,56,57	8 X 1	25	Package Plant : - Carrier Duct.	3	415V, 3Ph	22		B/S- 1968 Carrier- 1999	
26	27 Stores (insulating material)	90 bldg. G.floor left side	PKG-41, 79	8.5 X 2	20	AC Package Plant : - B.Star 5X2sealed	2	415V, 3Ph	22	30000	1987	
27	51-VDF contrl room	51-Bay -2 C-5	PKG - 36	7.5	7.5	Package Plant : - Voltas sealed	1	415V, 3Ph	22	22500	1999	
28	70 bldg. pump testing	70- Pumps	PKG - 47	10 X 1	10	Package Plant : - B.Star 5X2sealed	1	415V, 3Ph	22	30000	1997	
29	71-Balancing Tunnel	02-near super bay	PKG - 22, 23	7.5 X 2	15	Package Plant : - Voltas 6D 48	2	415V, 3Ph	22	22500	1984	
30	30TPH Boiler control room	New boiler control room	PKG - 55	15	15	Package Plant : - Voltas 6D 48x2	1	415V, 3Ph	22	45000	1999	
31	20TPH Boiler control room	Old boiler control room	PKG - 29	7.5	7.5	Package Plant : - Voltas 6D 48	1	415V, 3Ph	22	22500	1989	
32	New Blade Shop Cabins	New blade shop	PKG- 135,136,137	11X3	33	Package Plant:- Carrier Unit	3	415V, 3Ph	22	99000	2014	
33	TIC BLDG	TIC BLDG	PKG- 138,139	17X2	34	Package Plant:- Carrier unit	2	415V, 3Ph	22	102000	2014	
34	Adm.Bldg.Sub Contract & PR	Adm.bldg	PKG- 140,141	17X2	34	Package Plant:- Carrier unit	2	415V, 3Ph	22	102000	2014	
35	IT BLDG SERVER ROOM	IT building	PKG- 142,143	15X1	15	Precision AC-Emerson	1	415V, 3Ph	404A	22500	2012	
36	9FA GT Annexe	9FA ANNEXE	PKG- 144,145,146, 147	17X4	68	Package Plant:- LG unit	4	415V, 3Ph	22	204000	2014	
37	IT BLDG SERVER ROOM	IT building	PKG- 148,149	15X1	15	Precision AC-Emerson	1	415V, 3Ph	404A	22500	2012	
38	Logistics	Near K-Gate	PKG-150	5.5 x 2	11	Package Plant - Bluestar	2	415V, 3Ph	134a		2015	
Total for Package AC					1624.50		118					

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III . CNC Machine connected OC, PAC, PND, AD equipment											
1	NBS - BFW H440a	NBS	1.2301	3	3	Oil Chiller : - Advance	1	415V, 3Ph	134A	9000	2008
				1	1	Oil Chiller : - Advance	1	415V, 3Ph	134A	3000	2009
				1 X 2	2	Panel AC : - Advance(2No,s)	2	230V, 1Ph	134A	1450	2009
				1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	160W	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	40Cfm	2009
2	NBS - BFW H440a	NBS	1.2302	3	3	Oil Chiller : - Advance	1	415V, 3Ph	134A	9000	2009
				1	1	Oil Chiller : - Advance	1	415V, 3Ph	134A	3000	2009
				1 X 2	2	Panel AC : - Advance(2No,s)	2	230V, 1Ph	134A	1450	2009
				1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	1800W	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	40Cfm	2009
3	NBS - BFW H650a	NBS	1.2303	3	3	Oil Chiller : - Advance	1	415V, 3Ph	134A	9000	2009
				1	1	Oil Chiller : - Advance	1	415V, 3Ph	134A	3000	2009
				1 X 2	2	Panel AC : - Advance(2No,s)	2	230V, 1Ph	134A	1450	2009
				1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	160W	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	40Cfm	2009
4	NBS - BFW H650a	NBS	1.2304	3	3	Oil Chiller : - Advance	1	415V, 3Ph	134A	9000	2009
				1	1	Oil Chiller : - Advance	1	415V, 3Ph	134A	3000	2009
				1 X 2	2	Panel AC : - Advance(2No,s)	2	230V, 1Ph	134A	1450	2009
				1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	160W	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	40Cfm	2009
5	NBS - BFW H650a	NBS	1.2305	3	3	Oil Chiller : - Advance	1	415V, 3Ph	134A	9000	2009
				1	1	Oil Chiller : - Advance	1	415V, 3Ph	134A	3000	2009
				1 X 2	2	Panel AC : - Advance(2Nos.)	2	230V, 1Ph	134A	1450	2009
				1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	160W	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	40Cfm	2009
6	NBS - BFW Bmv 60TC 20	NBS	1.2306	1	1	Oil Chiller : - Advance	1	415V, 3Ph	134A	1960	2009
				1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1450	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	40Cfm	2009
7	NBS - Favrettoe FMTMC -130	NBS	1.2309	2	2	Oil Chiller : -	1	415V, 3Ph	22	6000	2010
				1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	1450	2009
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	1800W	2009
8	Favrettoe FMTMC -130	NBS	1.2310	2	2	Oil Chiller : -	1	415V, 3Ph	22	6000	2010
				1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	1500W	2009
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	1800W	2009
9	NBS - ANCA RX7	NBS	1.2311	1	1	Panel AC : - Air Con.	1	230V, 1Ph	407C	550W	2009
10	NBS - ANCA RX7	NBS	1.2312	1	1	Panel AC : - Air Con	1	230V, 1Ph	407C	550W	2010

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11	NBS - Liechti g-mill 550Twin	NBS	1.2328	3	3	Panel AC : - Schimpre	1	415V, 3Ph 24V DC	134A	10kW	2009	
12	NBS - Liechti g-mill 550Twin	NBS	1.2329	3	3	Panel A/C : - Schimpre	1	415V, 3Ph 24V DC	134A	10kW	2009	
13	NBS - Liechti g-mill 550Twin	NBS	1	3	3	Panel AC : - Schimpre	1	415V, 3Ph 24V DC	134A	10kW	2009	
14	NBS - Starragheckert the milling experts HX 253	NBS	1.2331	2.5	2.5	Oil Chiller : - Schimpre	1	415V, 3Ph 24V DC	134A	8.5kW	2010	
				2	2	Air Drier : - ELGI	1	230V, 1Ph	407	85Cfm	2009	
15	NBS - Starragheckert the milling experts HX 253	NBS	1.2332	2.5	2.5	Oil Chiller : - Schimpre	1	415V, 3Ph 24V DC		8.5kW	2012	
				2	2	Air Drier : - ELGI	1	230V, 1Ph	407	85Cfm	2010	
16	Starragheckert the milling experts Lx151	NBS	1.2333	1.5	1.5	Oil Chiller : - Schimpre	1	415V, 3Ph 24V DC	134A	3.9kW	2010	
17	Hamuel Reichenbacher HSTM 300	NBS	1.2334	1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	3000W	2010	
				1.5 X 2	3	Panel AC : - Rittal (2No,s)	2	415V, 3Ph	134A	4500W	2010	
				2	2	Panel AC : - KLH Kaltetechnik Gmbh	1	415V, 3Ph	134A	6.5kW	2010	
18	SCHENEK VIBRO TUMBLING MACHINE GALA	9 FA	01A.2324	1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	2590W	2011	
19	World Machinery works HMT (BH 109)	9 FA	01A.2308	2.5	2.5	Oil Chiller : - Advance	1	415V, 3Ph	134A	7500kCal/l	2012	
				1 x 3	3	Panel AC : - Rittal (3No,s)	3	230V, 1Ph	134A	2000W	2004	
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	300W	2009	
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	20Cfm	2011	
20	HMT (BH 108)	9 FA	01A.2309	2.5	2.5	Oil Chiller : - Advance	1	415V, 3Ph	134A	7500kCal/l	2012	
				1 X 3	3	Panel AC : - Rittal (3No,s)	3	230V, 1Ph	134A	2000W	2012	
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	300W	2012	
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	20Cfm	2011	
21	FPT	9 FA	01A.2304	7.5	7.5	Oil Chiller : - Pfannenber	1	415V, 3Ph	407	25kW	2012	
				4	4	Oil Chiller : - Pfannenber	1	415V, 3Ph	407	13kW	2012	
				1 X 2	2	Panel AC:-Pfannenber (2No)	2	230V, 1Ph	134A	1.6kW	2012	

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22	PREMIER PTC 2300 (VTL 1.60 m) / 01A.3060	9 FA	01A.3060	1	1	Pendent Cooler : - Pfannenber	1	230V, 1Ph	134A	300W	2009
				1.5	1.5	Air Drier : - ELGI	1	230V, 1Ph	407	50Cfm	2011
				2	2	Oil Chiller : - Span associates	1	415V, 3Ph	134A	5000kCal/hr	
				1 X 2	2	Oil Chiller : - Span associates	2	415V, 3Ph	134A	1285kCal/hr	
				1 X 2	2	Panel AC : - Advance (3No,s)	2	230V, 1Ph	22	2000W	2011
23	MAG - I-NBH 800	9 FA	01A.2305	1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	250W	2011
				1.5	1.5	Air Drier : - ELGI	1	230V, 1Ph	407	64Cfm	2010
				1	1	Oil Chiller : - Haber Pasion	1	415V, 3Ph	134	9000	2012
				1 x 2	2	Panel AC:- Pfannenber	2	415V, 3Ph	134A	3000	2012
				1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	780W	2012
24	Mag-II - NBH 800	9 FA	01A.2306	1	1	Oil Chiller : - Haber Pasion	1	415V, 3Ph	134	9000	2012
				1 x 2	2	Panel AC:- Pfannenber	2	415V, 3Ph	134A	3000	2012
				1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	780W	2012
25	Qi Qihar Centre Lathe 3.50m	9 FA	01A.	1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	780W	2012
				6 X 4	24	Oil Chiller : - ETE X 4 No's	4	415V, 3Ph	134A	20kW	2012
				1.5 X 3	4.5	Panel AC : - Rittal	3	415V, 3Ph	134A	1230W	2012
				2	2	Air Drier : - ELGI	1	230V, 1Ph	407	64Cfm	2012
26	TAITAN	9FA		1x2	2	Panel AC : - Pfannenber	2	230V, 1Ph	134A	1500W	2012
				2x2	4	Oil Chiller : - Eurocold	2	415V, 3Ph	407C	6.7kW	2012
				1.5X2	3	Oil Chiller : - Eurocold	2	415V, 3Ph	407C	4.32kW	2012
				3	3	Oil Chiller : - Eurocold	1	415V, 3Ph	407C	8.88kW	2012
				1.5	1.5	Air Drier : - ELGI	1	230V, 1Ph	407	64Cfm	2014
27	QIER / Q2	01-Bay-0 0-3	01-2287	2.5	2.5	Oil Chiller : - Habo	1	415V, 3Ph	407	8850W	2009
				1	1	Oil Chiller : - Habo	1	415V, 3Ph	407	2700W	2009
				1 X 2	2	Panel AC : - Rittal X 2 No's	2	415V, 3Ph	134A	1150W	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134	20Cfm	2011
28	QIER / Q1	01-Bay-0 0-6	01-2286	2.5	2.5	Oil Chiller : - Habo	1	415V, 3Ph	407	8850W	2009
				1	1	Oil Chiller : - Habo	1	415V, 3Ph	407	2700W	2009
				1 X 2	2	Panel AC : - Rittal X 2 No's	2	415V, 3Ph	134A	2350	2009
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134	20Cfm	2011
29	Torni Tacchi - 3	01-Bay-0 0-9	01-2299	3.5	3.5	Oil Chiller : - EATA	1	415V, 3Ph	407	11164W	2011
				2	2	Oil Chiller : - EATA	1	415V, 3Ph	407	5700W	2011
				1 X 3	3	Panel AC : - Kelvin X 3 Nos	3	415V, 3Ph	134	1580W	2011
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134	20Cfm	2011
30	Torni Tacchi - 2	01-Bay-0 A-9	01-2295	3.5	3.5	Oil Chiller : - EATA	1	415V, 3Ph	134	11164W	
				2	2	Oil Chiller : - EATA	1	415V, 3Ph	407	5700W	
				1.5 X 2	3	Oil Chiller : - EATA X 2No's	2	415V, 3Ph	407	3890W	
				1 X 3	3	Panel A/C : - Kelvin X 3 No's	3	415V, 3Ph	134A	2000W	2010

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31	Qi Q1HAR no.1 Machine tool works	01-Bay-0 0 -13	01-*****	1	1	Air Drier : - ELGI	1	230V, 1Ph	407	20Cfm	2011
				7 X 2	14	Oil Chiller : - Tongfel Refrg.	2	415V, 3Ph	22	20kW	2012
				1 X 4	4	Panel AC : - Rittal X 4 Nos	4	415V, 3Ph	134A	3250W	2012
				2	2	Air Drier : - ELGI	1	230V, 1Ph	407	64Cfm	2005
32	Torni Tacchi - 1	01-Bay-1 A-6	01-2242	3	3	Oil Chiller : - EATA	1	415V, 3Ph	22	11164W	2005
				2	2	Oil Chiller : - EATA	1	415V, 3Ph	22	5700W	2005
				1 X 2	2	Panel AC:- Kelvin	2	415V, 3Ph	134A	2000W	2005
				1	1	Panel AC:- Kelvin	1	230V, 1Ph	134A	2000W	2005
33	INNSE CNC	01-Bay-1 B-3	01-2192	1	1	Air Drier : - GEM	1	230V, 1Ph	407	20Cfm	2005
				10	10	Oil Chiller : - Advance	1	415V, 3Ph	22	30000	2006
				5	5	Oil Chiller : - Chilton	1	415V, 3Ph	22	15000	2006
				3	3	Panel AC:- Kelvin	1	415V, 3Ph	134A	9000	1996
34	Gantry Toskurm CNC	01-Bay-1 B-5	01-2245	2 X 3	6	Oil Chiller : - Rittal X 3 nos.	3	415V, 3Ph	407	5700W	2012
				1 X 2	2	Panel AC : - Rittal X 4 Nos	2	415V, 3Ph	134A	3000W	2010
				1 X 2	2	Panel AC : - Rittal X 4 Nos	2	415V, 3Ph	134A	3000W	2010
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	320W	2010
35	Gantry Drilling Mch.	01-Bay-1 B-8	01-2246	5	5	Oil Chiller : - Rittal	1	415V, 3Ph	407	16000W	2008
				1 X 4	4	Panel AC : - Rittal X 4 No's	4	415V, 3Ph	134A	1510W	2010
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	320W	2010
				1	1	Air Drier : - Premier	1	230V, 1Ph	134	20Cfm	2010
36	SKODA - WD 200-2000	01-Bay1-A-13	01-1148,	1	1	Panel AC:- Advance	1	230V, 1Ph	22	1000	2000
37	SKODA WD 200	01-Bay1-B-11	01-1156,	1	1	Panel AC:- Advance	1	230V, 1Ph	22	1450W	2000
38	SKODA WD 200	01-Bay1-B-12	01-1155,	1	1	Panel AC:- Advance	1	230V, 1Ph	22	1450W	2000
39	SKD - 50 B NC	01-Bay-2-C-12	01-2149,	5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	2004
				1	1	Panel AC:- Advance	1	230V, 1Ph	134A	1500W	2008
40	SKODA WD - 160	01-Bay-2 B-8	01-1102	1	1	Panel AC:- Advance	1	230V, 1Ph	134A	1450	2008
41	Mitsubishi MAF 240 / 180 B	01-Bay-2 B-10	01-1625	2	2	Oil Chiller : - Advance	1	415V, 3Ph	22	6000	2004
				1 X 2	2	Panel AC:- Rittal	2	230V, 1Ph	134A	1850W	2008
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	240W	2010
42	SKODA WD-200 CNC	01-Bay-2 B-11	01-1108	1	1	Panel AC:- warner finley	1	230V, 1Ph	22	1000	2007
43	SHODA WD-200	01-Bay-2 B-12	01-2125	1	1	Panel AC:- Advance	1	230V, 1Ph	134A	1500W	2012
44	WD 130-A TDS	01-Bay-2 C-3	01-1117	1	1	Panel AC:- Rittal	1	230V, 1Ph	134A	3000	2007
45	SK - 50 A -2 Blansko	01-Bay-2 C-8	01-1305	1.5	1.5	Panel AC:- Advance	1	230V, 1Ph	134A	3500	2012
46	DORRIES CNC Vertical Lathe	01-Bay-2 C-11	01-1657	5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	2004
				2	2	Panel AC:- Advance	1	415V, 3Ph	134A	6000	2000
47	5 Axis Room	01- Bay-3 C-6	01-*****	5	5	Oil Chiller : - Advance	5	415V, 3Ph	22	15000	2004
				1	1	Air Drier : - Premier	1	230V, 1Ph	134	20Cfm	2010

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48	Starrage -2	01- Bay-3 C-8	01-1295	5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	2004
49	Starrage -3	01-Bay-3 C-9	01-1452	5	5	Oil Chiller : - Chilton	1	415V, 3Ph	22	15000	2004
50	Batliboi	01-Bay-3-C-10	01-2118,	1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134a	800W	2009
51	Batliboi	01-Bay-3-C-11	01-2114.	1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	800W	2009
52	HELLER CNC	01-Bay-3 C-11	01-1293.	1	1	Panel AC:- Mitsubishi	1	230V, 1Ph	22	3000	1998
53	HELLER CNC	01-Bay-3 C-11	01-1293.	1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	800W	1998
54	BMC -3100 (BFW)	01-Bay-3 C-11	01-1521	1	1	Panel AC:- Warner Finlay	1	230V, 1Ph	22	1000	1988
55	Batliboi	01-Bay-3 C12	01-2116.	1	1	Panel AC:- Batliboi	1	230V, 1Ph	134A	2000	1998
56	Batliboi	01-Bay-3 C12	01-2121.	1	1	Panel AC:- Batliboi	1	230V, 1Ph	134A	1500	1998
57	Batliboi	01-Bay-3-C-12	01-2124.	1	1	Panel AC:- Batliboi	1	230V, 1Ph	134A	1500	1998
58	Surface Grinding	01-Bay-3 D-10	01-1359.	5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	1998
59	LB drillingm/c	01-Bay-4 D 13	01-****	1	1	Panel AC:- Rittal	1	230V, 1Ph	22	600W	1998
60	KARATS	01-Bay-4 E-7	01-1622.	2	2	Oil Chiller : - WARKIN BKW	1	415V, 3Ph	22	6000	1998
				3	3	Panel AC:- Mclean Midwest	1	415V, 3Ph	22	9000	1996
61	BP-130 CNC	01-Bay-4 E-3 Rotor Shop	01-2292	2 X 2	4	Oil Chiller : - Euro Cold X 2Nos	2	415V, 3Ph	404A	5700W	2010
				1.5 X 2	3	Panel AC : - Cosmote X 2 Nos	2	415V, 3Ph	134A	4kW	2010
				1	1	Pendent Cooler : - Cosmote	1	230V, 1Ph	134A	.33kW	2010
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	20Cfm	2010
62	SUT 160 SKODA	01-Bay-4 E-5	01-2164.	5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	2000
				1	1	Panel AC:- Rittal	1	415V, 3Ph	134A	2000	2006
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	.3kW	2010
63	IMPELLER WELDING	01-Bay-4 E-5	01-****	2.5	2.5	Air Drier : - ELGI	1	415V, 3Ph	407	126Cfm	2010
64	Cincinnati Milacron	01-Bay-5 -F-4	01-1910.	1	1	Panel AC:- Advance	1	230V, 1Ph	22	1000	2008
65	SB-CNC (HMT)	01-Bay-5- F-6	01-2209.	1	1	Panel AC:- chilton	1	230V, 1Ph	134A	3000	2000
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	800W	2009
66	OKK CNC - MCH8000	01-Bay-5 F-11	01-1623.	2	2	Oil Chiller : - Advance	1	415V, 3Ph	22	6000	2000
				1	1	Panel AC:- Rittal	1	230V, 1Ph	22	3000	2000
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	800W	2000
67	TDS	01-Bay-6 F-8	01-1307	1	1	Panel AC:- Advance	1	230V, 1Ph	134A	1500	2002
68	VMS	01-Bay-6 G-3	01-1415	1	1	Panel AC:- Warner	1	415V, 3Ph	134A	900W	2003
69	HMT-HMC-630 CNC	01 Bay-6 G-7	01-****	2 X 2	4	Oil Chiller : - Advance X 2	2	415V, 3Ph	134	6000	2010
				1	1	Panel AC:- Advance	1	415V, 3Ph	134A	3000	2006
				1	1	Air Drier : - ELRO	1	230V, 1Ph	407	20Cfm	2010
70	PAL COOPER VCE 1600/140	01-Bay-6 G-10	01-2177.	5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	1998
				1	1	Panel AC:- Advance	1	415V, 3Ph	134A	4500	2008
				1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	280W	2000
71	Kirloskar Dynacut 250CNC	01-Bay-6 G-12	01-2178.	1	1	Panel AC:- Advance	1	415V, 3Ph	134A	3000	2002

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72	LODI Grinding m/c	01- Bay-7 G-8	01-2272.	1.5	1.5	Panel AC:- Rittal	1	415V, 3Ph	134A	4500	2010
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	800W	2010
73	Max Muller-Hannover	01-Bay-7 G-10	01-2015.	1	1	Panel AC:- Advance	1	230V, 1Ph	134A	1500	2008
74	SB-CNC (HMT)	01-Bay-7 G-11	01-1390	1	1	Panel AC:- Advance	1	230V, 1Ph	134A	2000	2008
75	Manfort RNC-1002	01-Bay-7,G-12	01-1392.	3	3	Oil Chiller : - Rittal	1	415V, 3Ph	22	9000	2000
			PAC-35	1	1	Panel AC:- Rittal.	1	415V, 3Ph	134	3000	2000
			PND-07	1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	270W	2009
76	SKODA-WD 200	01.Bay-7-H-2	01-2008.	1	1	Panel AC:- Advance	1	230V, 1Ph	134A	1500	2008
77	WHN-13.8 - CNC-I	01-Bay-7 H-4	01-2139.	1 X 2	2	Panel AC:- Rittal X 2 nos.	2	415V, 3Ph	134A	3000	2008
78	WHN-13.8-CNC-II	01-Bay-7 H-5	01-2146.	1	1	Panel AC:- Rittal	1	415V, 3Ph	134A	3000	2009
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	315W	2009
79	WOTAN Rapid 3	01-Bay -7 H -5	01-2011.	5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	2006
				2	2	Panel AC:- Advance	1	415V, 3Ph	134A	6000	2003
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	800W	2009
				2	2	Air Drier : - ELGI	1	230V, 1Ph	407	64Cfm	2005
80	OM 16 CNC	01-Bay-7 H-8	01-2113.	1	1	Panel AC:- Advance	1	230V, 1Ph	134A	2000W	2007
81	O M - 40 CNC	01- Bay-7,H-9	01-2213.	2	2	Oil Chiller : - Oilmatic	1	415V, 3Ph	134	6000	2006
				1	1	Panel AC:- Apiste	1	415V, 3Ph	134A	3000	2004
82	Praga - Mitsubishi	01-Bay 7-H-11	01-2126.	5	5	Oil Chiller : - Chilton	1	415V, 3Ph	22	15000	2008
				1	1	Panel AC:- Rittal	1	415V, 3Ph	134A	3000	2003
83	HMC 1000 (HMT)	01-Bay-7 H-12	01-2129.	5	5	Oil Chiller : - Advance	1	415V, 3Ph	134	15000	2002
				1.5	1.5	Panel AC:- Advance	1	415V, 3Ph	134A	4000	2008
84	S I P - CNC	01- 5 Axis center	01-2197.	2 X 2	4	Oil Chiller : - Schime Kchi X 2Nos	2	415V, 3Ph	22	5000W	1994
85	Strrage ZT 800	01- 5 Axis center	01-2174.	2	2	Oil Chiller : - Schimepre	1	415V, 3Ph	22	9000	1994
				1 X 4	4	Panel AC : - Mclean Midwest 4nos	4	415V, 3Ph	134A	3000	1994
				1	1	Panel AC:- Rittal	1	115V	134A	2000	1994
				1	1	Air Drier : - GEM	1	230V, 1Ph	134	40Cfm	2005
86	MGC - Creep 130 Grinding-I	01- Buckets & Nozzles	01-2220.	10	10	Oil Chiller : - HYFRA	1	415V, 3Ph	134	30000	2003
				1	1	Panel AC:- Pfannenber	1	230V, 1Ph	134A	3000	2003
87	MGC - Creep 130 Grinding- II	01- Buckets & Nozzles	01-2221.	10	10	Oil Chiller : - Kelvin CE	1	415V, 3Ph	134	30000	2003
				1	1	Panel A/C:- Pfannenber	1	415V, 3Ph	134A	3000	2003
				1	1	Air Drier : - GEM	1	230V, 1Ph	407	40Cfm	2003
88	PRIME - TDS	01- Buckets & Nozzles	01-2222.	2	2	Oil Chiller : - Kelvin CE	1	415V, 3Ph	134	6000	2003
				1	1	Panel AC:- Pfannenber	1	415V, 3Ph	134A	3000	2003
89	3 D measurig m/c	01- Buckets & Nozzles		1	1	Air Drier : - SANPER	1	230V, 1Ph	134	40Cfm	2003

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90	BFW CNC Drilling Mch	02-Rotor Coil Shop	02-2041.	10	10	Water Chiller : - I Bag	1	415V, 3Ph	22	35kW	
				1	1	Panel AC : - Rittal	1	230V, 1Ph	134A	1000W	
				2	2	Air Drier : - Air Solutions	1	415V, 3Ph	134	55Cfm	
91	JUARASTI	02-Bay.4-B-3	02-2032.	3	3	Oil Chiller : - Pfannenber	1	415V, 3Ph	404	9000	2006
				1	1	Panel AC:- Himel S.A.	1	415V, 3Ph	134A	3000	2006
				1	1	Air Drier : - GEM	1	230V, 1Ph	134A	40Cfm	2006
92	Geminis-Goruto CNC	02-Bay-4 D-4		1 X 2	2	Panel AC:- Rittal	2	230V, 1Ph	134A	3000	2004
93	MARIO - CARNAGHI	02-Bay.4-C-2	02-2028.	2	2	Oil Chiller : - EATA	1	415V, 3Ph	407	5700WI	2004
				1.5	1.5	Oil Chiller : - EATA	1	415V, 3Ph	134	3896W	2004
				1	1	Panel AC:- Pavarini	1	415V, 3Ph	134A	3000	2004
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	800W	2006
				1	1	Air Drier : - GEM	1	230V, 1Ph	134	20Cfm	2006
94	Heller Rotor slot milling M/C	02-Bay-3 C-4	02-1041	1	1	Panel AC : - Advance	1	230V, 1Ph	22	1500W	
				1	1	Panel AC:- Rittal	1	230V, 1Ph	134A	3000	2008
95	Skoda WD -160-I	02-Bay -3 D- 5		1	1	Panel AC : - Advance	1	230V, 1Ph	22	1000W	2012
96	SUT - 160 CNC	02-Bay-3 D -7	02-1336	10	10	Oil Chiller : - Advance	1	415V, 3Ph	22	30000	2008
				1	1	Panel AC : - Sun Beam	1	230V, 1Ph	134A	2000W	2013
				1	1	Pendent Cooler : - Sun Beam	1	230V, 1Ph	134A	180W	2013
97	Skoda WD-160 II	02- Bay-3 D-8	02-1048	1	1	Panel AC : - Advance	1	230V, 1Ph	22	1000W	2012
98	PAMA - CNC	02- Bay-2B-2	02-2022.	15	15	Oil Chiller : - Kelvin	1	415V, 3Ph	22	46500WI	2008
				1	1	Panel AC:- Himel SA	1	230V, 1Ph	134	3000	2002
				1	1	Air Drier : - SANPAR	1	230V, 1Ph	134	20Cfm	2006
99	6 Axis Taping M/C	02-Bay - D -	02-2057.	1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	2000W	
				1	1	Air Drier : - Sanpar	1	230V, 1Ph	134	20Cfm	
100	Stollberg	Bay -2 B - 12		1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	2000W	
101	Tacchi CNC	Bay - D -		3.5	3.5	Oil Chiller : - EATA	1	415V, 3Ph	134	11164W	2013
				2	2	Oil Chiller : - EATA	1	415V, 3Ph	134	5700W	2013
				1 X 2	2	Panel A/C : - Rittal	2	415V, 3Ph	134A	1580W	2013
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134	20Cfm	
102	Core Sloting M/C	02-Bay 6 G-2		1	1	Panel AC:- Advance	1	230V, 1Ph	22	3000	2000
				1	1	Air Drier : - SANPAR	1	230V, 1Ph	134	20Cfm	2000
103	BFW - Copper Bar Slotting M/C	02-Bay 6 G-2	02-2041.	1	1	Panel AC:- Rittal	1	230V, 1Ph	134A	3000	2008
				1	1	Air Drier : - IDFA6E	1	230V, 1Ph	134	20Cfm	2008
104	Roter winding hall water chillers	Bay -2 B - 13		3 X 4	12	Water Chiller :-Advance X 4 nos	4	415V, 3Ph	134	9000	2011
105	Impregnation plant New	02-Cross -Bay		1	1	Panel A/C : - Rittal	1	415V, 3Ph	134A	1675W	2011
106	Torni Tacchi Slot Cutting M/C	02 Block-F6		3.5X2	7	Oil Chiller : - EATA	2	415V, 3Ph	407	11164W	2012
				2	2	Oil Chiller : - EATA	1	415V, 3Ph	407	5175W	2012

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107	Torni Tacchi Slot Cutting M/C-II	02 Block-C6		1 X 3	3	Panel AC : - Rittal X 3 Nos	3	415V, 3Ph	134	1440W	2012
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134	20Cfm	2012
				3.5	3.5	Oil Chiller : - EATA	1	415V, 3Ph	407	11164W	2012
				2	2	Oil Chiller : - EATA	1	415V, 3Ph	407	5700W	2012
				1 X 2	2	Panel AC : - Kelvin X 2 nos.	2	415V, 3Ph	134	1440W	2012
108	Vincent Industries Copper cutting	02 Block-C11		1	1	Air Drier : - ELGI	1	230V, 1Ph	134	20Cfm	2012
				1	1	Panel AC:- Schneider Electric	1	230V, 1Ph	22	3000	2014
				1 X 2	2	Panel AC:- Schneider Electric	2	230V, 1Ph	22	3000	2014
				1	1	Panel AC:- Cosmotec	1	230V, 1Ph	22	3000	2014
				1	1	Air Drier : - BEL AIR	1	230V, 1Ph	407C	20Cfm	2014
109	BAR TECH	02 BLOCK		1	1	Air Drier : - ELGI	1	230V, 1Ph	134	20Cfm	2012
110	SB - CNC 35	03-Bay-3 D-5		1	1	Panel AC:- Advance	1	230V, 1Ph	22	3000	2006
111	STC - 25 - CNC	03-Bay-2 D-5	03-1433.	1	1	Panel AC:- Advance	1	230V, 1Ph	22	3000	2010
112	FNC 600 S CNC	03-Bay-2 B-3	03-1422.	1	1	Panel AC:- Advance	1	230V, 1Ph	134	3000	2009
113	FNC -2 600 S CNC	03-Bay-2 B-4	03-1428.	1	1	Panel AC:- Advance	1	230V, 1Ph	134	3000	2009
114	H B M -CNC	03-Bay -2-E- 8	03-1481	1	1	Panel AC : - Rittal	1	230V, 1Ph	134A	1400W	
115	HighVacu Heat Trtmnt&Boring Furnance	03 -Bay-2 E-9	03-1002	1	1	Panel AC : - Sun Bream	1	230V, 1Ph	134A	1500W	
116	03 BLOCK Plasma Coating Water Chiller	03 block		7.5 X 2	15	Oil chiller : - Werner Finely x 2 nos.	2	415V, 3Ph	22	22500	2012
				40	40	Water Chiller	1	415V, 3Ph	407C	1200000	2014
117	Mario Carnaghi	70-Bay-2 D-2	70-1199.	1.5	1.5	Oll Chiller : - EATA	1	415V, 3Ph	134	3896W	2008
				2	2	Oll Chiller : - EATA	1	415V, 3Ph	134	5700W	2008
				1	1	Panel A/C : - TEXA	1	230V, 1Ph	134	3000	2008
				1	1	Air Drier : - GEM	1	230V, 1Ph	134A	20Cfm	2008
118	SKS-12 CNC V.B	70 - Bay-2 C-3	70-1175.	3	3	Oll Chiller : - Chilton	1	415V, 3Ph	22	15000	2012
				1	1	Panel AC : - Rittal	1	230V, 1Ph	134	3000	2006
				1	1	Pendent Cooler :Rittal	1	415V, 3Ph	134	800W	2006
119	BR 6 - Batli boi	70 -Bay 2 D-3	70-1169	1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2012
120	WHN-13.8 (Tos)	70 -Bay 2 C-4	70-1178	1 X 2	2	Panel A/C : - Rittal	2	230V, 1Ph	134A	1000W	2011
121	JUARASTI	70-Bay-2-.C-5	70-1200.	2	2	Oll Chiller : - DASSI	1	415V, 3Ph	134	6000	2006
				1	1	Panel A/C : - Rittal	1	230V, 1Ph	134	3000	2008
				1	1	Air Drier : - GEM	1	230V, 1Ph	134A	20Cfm	2008
122	Staiiion 2004 CNC	70 -Bay 2 D-4	70-1192	1	1	Panel AC : - Chillton	1	230V, 1Ph	134A	900	2011
123	FTM -1000 Turm mille	70 - Bay-2 D-8	70-1290	1	1	Panel AC : - Rittal	1	230V, 1Ph	134A	1500W	2012
				1	1	Panel AC : - Zapp Cool	1	230V, 1Ph	22	1570W	2012
				1	1	Air Drier : - CPX-20	1	230V, 1Ph	407	20Cfm	2012
124	SK - 12	70 - Bay-2 C-9	70-1170	1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2012

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125	Tos Kurim FRF 250 - V/A6	Bay - 2 - C - 8	70-1223	2 1 X 2	2 2	Oil Chiller : - Advance Panel AC : - Rittal(2Nos)	1 2	415V, 3Ph 230V, 1Ph	134 134A	6000 1230W	2011
				1	1	Pendent Cooler : - MKS Clima	1	230V, 1Ph	134A	240W	
				1	1	Air Drier : - Prememier	1	230V, 1Ph	134A	10Cfm	
126	SB CNC-HMT - 60	70 - Bay-2 D-9	70-1216.	2	2	Oll Chiller : - Advance	1	415V, 3Ph	22	6000	2006
				2	2	Oll Chiller : - Chilton	1	415V, 3Ph	22	6000	2008
				1	1	Panel AC : - Advance	1	230V, 1Ph	134	1500W	2008
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	2500W	2008
127	Proteck PL-850U	70-Bay-2 D-11		1.5	1.5	Oll Chiller : - warner Finlay	1	415V, 3Ph	407	4500	2007
				1	1	Panel AC : - SunBean	1	230V, 1Ph	134	3000	2007
				1	1	Pendent Cooler :Advance	1	415V, 3Ph	134	800W	2006
128	HMT - L - 45 CNC (New)	70-Bay-2 D-13	70-1198	1	1	Pane AC : Werner Finely	1	230V, 1Ph	134A	400	
				1	1	Pendent Cooler : Werner Finely	1	230V, 1Ph	134A	400	
129	HMT - L - 45 CNC (old)	70 -Bay-2C-12	70-1165	2	2	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2008
130	Prime Automat Welding Mch. CNC	70-Bay-2 C-15	70-1207	1	1	Panel AC : - SCAN	1	230V, 1Ph	134A	3000	2008
131	QIER -China -2008	51-Bay-4 E-11		3	3	Oll Chiller : - Haber Pasion	1	415V, 3Ph	134	9000	2008
				2	2	Oll Chiller : - Haber Pasion	1	415V, 3Ph	134	6000	2008
				1 X 2	2	Panel A/C : - Haber Pasion X2nos	2	415V, 3Ph	134	3000	2008
				1	1	Pendent Cooler :HYPER Pasion	1	415V, 3Ph	134	800W	2008
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134A	20Cfm	
132	Jomax 265 Gantry Drill Mch 51-6167	51-Bay-4	51-6167	2.5 X 2	5	Oll Chiller : - Kelvin X 2 Nos	2	415V, 3Ph	134A	6700W	
				1 X 2	2	Panel AC : - Kelvin X 2 Nos	2	230V, 1Ph	134A	2890W	
				1	1	Pendent Cooler : - Kelvin	1	230V, 1Ph	134A	250W	
				1	1	Air Drier : - Trident	1	230V, 1Ph	134A	40Cfm	
133	Wailer CNC Travel Drill.m/c	51-Bay-4	PAC-25	1	1	Panel AC : - Rittal	1	230V, 1Ph	134	1230W	2007
				1	1	Pendent Cooler : - Advance	1	230V, 1Ph	134A	250W	
				1	1	Air Drier : - Parker-Hiross	1	230V, 1Ph	134A	40Cfm	
134	SKODA drilling m/c WD-200	51-Bay-3 - B1		1	1	Panel AC : - Advance	2	230V, 1Ph	134	1500	2009
				1	1	Panel AC : - Advance	1	230V, 1Ph	134	1000	2009
135	MAF-240/180E	51-Bay-3 - B1	51-6068	10	10	Oll Chiller : - Advance	1	415V, 3Ph	22	30000W	
				1 X 3	3	Panel AC : - Rittal X 3 Nos	3	230V, 1Ph	134A	850W	2010
136	WHN - 13 CNC	51-Bay-2 C-12	51-6126.	3	3	Oll Chiller : - Schimpke Hann	1	415V, 3Ph	22	9000	2008
				1	1	Panel AC : - Cosmotelun beam	1	230V, 1Ph	134A	.2kW	1998
137	BMK -130 CNC HMY WMW(BM-110)	51 BLOCK	51-6179	2.5	2.5	Oll Chiller : - Rittal	1	415V, 3Ph	134A	7900W	

S.N o.	Block & Machine Name	Location Bay, Column	Asst no.	Capacity each in TR	Total TR	Machine Make, Year, Refregerant, Voltage	No. of units	Operating Input	Refrige rant	Capacity (kCal)	Year
138	BMK -130-II (BM-111)	Bay - -	51-6186	1 X 3	3	Panel AC : - Rittal X 3 Nos	3	230V, 1Ph	134A	2000W	2012
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	300W	
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134A	20Cfm	
				2	2	Oll Chiller : - Rittal	1	415V, 3Ph	134A	7900W	
				1 X 3	3	Panel AC : - Rittal X 3 Nos	3	230V, 1Ph	134A	2000W	2012
139	Gloria-Italy CNC -	51-Bay-1 E-7		1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	300W	
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134A	20Cfm	
				2	2	Panel AC : - Rittal	2	230V, 1Ph	134	3000	2005
				1	1	Pendent AC : - Rittal	1	230V, 1Ph	134	1000	2008
				1	1	Air Drier : - ELGI	1	230V, 1Ph	407	20Cfm	2008
140	REM CNC	51-Bay-1-B-7	51-	1	1	Panel AC : - Pennemberg	1	230V, 1Ph	134A	2000W	2011
				2	2	Oll Chiller : - Euro cold	1	415V, 3Ph	404	4700W	
				1	1	Pendent Cooler : - Cosmotec	1	230V, 1Ph	134A	330W	
141	REM CNC	51-Bay-1-B-8	51-	1	1	Panel AC : - Pennemberg	1	230V, 1Ph	134A	2000W	2011
				2	2	Oll Chiller : - Euro cold	1	415V, 3Ph	404	4700W	
				1	1	Pendent Cooler : - Cosmotec	1	230V, 1Ph	134A	330W	
142	NOMURA	51-Bay-2-C-11	51-6032	1	1	Panel AC : - Advance	1	230V, 1Ph	22	1500W	2010
143	NOMURA -II	51-Bay-2-C-11	51-6032	1	1	Panel AC : - Rittal	1	230V, 1Ph	22	1000W	2010
144	HMT - L - 50 CNC	51-Bay-1-D-2	51-6005	1	1	Panel AC : - Rittal	1	230V, 1Ph	134A	1000W	2015
145	Cooper Cvt-150.1-CNC	51-Bay-1 D-9	51-6001.	1	1	Panel AC : - Rittal	1	230V, 1Ph	134	1030W	
146	Cooper Cvt-150.2-CNC	51-Bay-1 D-9	51-6002.	1	1	Panel AC : - Rittal	1	230V, 1Ph	134	1030W	
147	OM - CNC Vertica lathel	51- Newbay- -	51-6162	1.5	1.5	Oll Chiller : - Daikin	1	230V, 1Ph	410	5500W	
				1	1	Panel AC : - Npiste lterirer	1	230V, 1Ph	134A	2000W	2012
				1	1	Air Drier : - ELGI	1	230V, 1Ph	134A	64Cfm	
				2	2	Oll Chiller : - Warner Finlay	1	415V, 3Ph	22	6000	2009
				1	1	Panel AC : - Warner finnIN	1	230V, 1Ph	134	3000	2008
148	HMT HDL - 70, CNC / 4000	51-Bay-1 D-4		1	1	Air Drier : - ELGI	1	230V, 1Ph	407	20Cfm	2008
				1	1	Panel AC : - Rittal	1	230V, 1Ph	134	3000	2002
				1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2015
149	VDF	51-Bay-2 C-9		1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2015
150	HMT - L - 45 CNC	51-6004	Bay -2	1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2015
151	BV -12	51-6061		1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2015
152	Bolt Heating M/C	01 BLOCK		1	1	Oll Chiller : - Advance	1	415V, 3Ph	22	17500	2014
153	HMT - L - 45 CNC 06-1109	06-Bay-1 E- 4	06-1109	1	1	Panel AC : - Sunbeam	1	230V, 1Ph	134A	1500W	2012
				1	1	Pendent AC : - Advance	1	230V, 1Ph	22	1000	2002
154	Grisheim CNC Flame cutting Mch. (1) 06-6077	06-Bay-1 D- 6	06-60 77	1	1	Panel AC : - Advance	1	230V, 1Ph	134A	450W	2011
				1	1	Panel AC : - Warner Finley	1	230V, 1Ph	134A	400kCal/h	2011
155	Grisheim CNC Flame cutting Mch. 06-	06-Bay-1 D- 8	06-	1	1	Panel AC : - Warner Finley	1	230V, 1Ph	134A	400kCal/h	2011
				1	1	Panel AC : - Advance	1	230V, 1Ph	134A	250W	2015
156	Messer FCM 06-2035	Bay - 1 E- 7	06-2035.	1	1	Panel AC : - Advance	1	230V, 1Ph	134A	250W	2015
				1	1	Pendent AC : - Advance	1	230V, 1Ph	134A	450W	2015

S.No.	Block & Machine Name	Location Bay, Column	Asst no.	Capacity each in TR	Total TR	Machine Make, Year, Refregerant, Voltage	No. of units	Operating Input	Refrige rant	Capacity (kCal)	Year
157	Muller Opaden 06-2081	Bay - 2 C- 11	6-2181.	1	1	Panel AC : - Rittal	1	230V, 1Ph	134A	1230W	2011
158	KOLB - 1 - HTB III	06-Bay-4 D-13		10	10	Oil Chiller : - Advance	1	415V, 3Ph	22	30000	2009
				1 X 7	7	Panel AC : - Rittal X 7 nos	7	230V, 1Ph	134A	1500W	2008
159	KOLB - 2 - HTB III	06-Bay-2 D-13		10	10	Oil Chiller : - Advance	1	415V, 3Ph	22	30000	2009
				1.5	1.5	Panel AC : - Advance	1	230V, 1Ph	22	4500W	2008
				1 X 3	3	Panel A/C : - Advance	3	230V, 1Ph	22	1500W	2008
				1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2008
				1	1	Pedent AC : - Advance	1	230V, 1Ph	134A	250W	2008
160	UNISIG CNC 06-2188	Bay - 2 C- 2	06-2188.	10	10	Oil Chiller : - Advance	1	415V, 3Ph	407	37500	2012
				5	5	Oil Chiller : - Advance	1	415V, 3Ph	407	17500	2012
				1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	1625W	2012
				1	1	Panel AC : - Rittal	1	415V, 3Ph	134A	1060W	2012
				1	1	Pendent Cooler : - Rittal	1	230V, 1Ph	134A	300W	2012
161	MAUT drilling m/c	06-Bay -5 E-3		5	5	Oil Chiller : - Chilton	1	415V, 3Ph	22	15000	2007
				1.5 X 2	3	Panel AC : - Kelvin X 2 nos	2	230V, 1Ph	134A	5000W	2007
162	Homa lathe m/c	06-Bay 1 B-10		5	5	Oil Chiller : - Advance	1	415V, 3Ph	22	15000	2008
163	Batliboi B-R-6-1	06-Bay-1 B-11		1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2012
164	Batliboi B-R-6-2	06-Bay-1 B-12		1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2012
165	Batliboi B-R-6-2	06-Bay-1 E-5	06/01-2148	1	1	Panel AC : - Advance	1	230V, 1Ph	134A	1000W	2012
166	Wadkin Drilling Mch	Bay - 1 A- 12	06-1244	3	3	Oil Chiller : - Advance	1	415V, 3Ph	22	9000	2012
				1	1	Panel A/C : - Advance	1	230V, 1Ph	134A	1625W	2012
				1	1	Panel A/C : - Rittal	1	230V, 1Ph	134A	3000W	2012
167	ESAB Narrow GapWeld.Mch. 06-2140	Bay - 1 B- 7		1	1		1	230V, 1Ph	134A	3000W	2012
168	Suag Cutting FCM Plasma	06 -Bay-1 E-9		5	5	Water Chiller : - HYPER THERUM	1	415V, 3Ph	22	15000	1986
				1	1	Pendent Cooler :HYPER THERUM	1	415V, 3Ph	134	800W	2006
				1	1	Panel AC : - Warner Finley	1	230V, 1Ph	134A	1000W	2011
169	Hausler 4 roll bending m/c	06 Bay6-		3	3	Oil Chiller : - Maruthi	1	415V, 3Ph	22	30000	2010
170	Hausler 2 roll bending m/c	06 Bay6-		2	2	Oil Chiller : - Maruthi	1	415V, 3Ph	22	6000	2010
171	3 Roller Hydraulic Rolling M/C	06 Bay6-		1	1	Oil Chiller : - Span Associates	1	415V, 3Ph	22	3000	2014
172	SK-12	06 Block		1	1	Panel AC:- Rittal	1	230v, 1pH	134a	1000W	
Total for OC, PAC, PND & AD Equipments					854.00		466				
Total TR					3437.5	Total No.of Equipments	602				