

**Items requirement/ projections for three years**

Sno.	Item	UOM	Qty for 2020-21	Qty for 2021-22	Qty for 2022-23
1	HDPE Resin	Kg	16000000	24000000	26000000
2	Color Master Batch	Kg	46,545	55854	61439
3	Silicon Polymer	Kg	630500	756600	832260
4	Optical Fiber- SM G652D	Km	923000	1107600	1218360
5	HDPE Black	Kg	348000	417600	459360
6	Polymide 12	Kg	283968	340761.6	374838
7	Optical Fibre-SM G655C	Km	208000	249600	274560
8	PBTP	Kg	3,250	3900	4290
9	Wooden Drum	No.	35750	42900	47190
10	Ribbon Matrix	Kg.	182000	218400	240240
11	IGFR Yarn	Kg.	701800	842160	926376
12	HDPE Black	Kg	225040	270048	297053
13	PBTP	Kg.	225040	270048	297053
14	FOUR PORT GPON OLT SOC FBGA (896 BALL)	No.	1012	1214	1336
15	32X10 GBE + 4X1 GBE MULTILAYER SWITCH FCBGA (2397 BALL)	No.	404	485	533
16	2488/1244 MBPS DS/US DFB/APD TRANSVR 3.3V 2X10SFP (SM, P2MPOLT, 20KM SC-TYPE)	No.	5593	6712	7383
17	5U, 14 SLOT DUAL STAR, 10G ATCA BACK PLANE	No.	104	125	137
18	10 GBE QUAD SFI-TO-XFI PHY WITH IEEE 1588 BGA (256 BALL, 1V-CORE, 3.3V I/O)	No.	753	904	994

Sno.	Item	UOM	Qty for 2020-21	Qty for 2021-22	Qty for 2022-23
19	CONN, MOD. JACK, TAB DOWN RJ45 1X4, 10/100/1000 BASE-T WITH INTEGRATED MAGNETICS & LEDS GREEN/YELLOW	No.	2525	3030	3333
20	1310NM, SM DATACOM SFP+ OPT. TRNSVR 3.3V LC-DUP (10 GBE, 10KM)	No.	395	474	521
21	CONN, HMZD, FML, 80P, R/A, ROHS	No.	4848	5818	6399
22	OLT 5X Rach Assy GPON with both door filters	No.	198	238	261
23	2488/1244 MBPS US/DS ONU TRNSVR 3.3V SFF (2X10, BURST MODE, 20KM, G.984.5 COMP) or GPON ONU TRNSVR CLASS-B+ 2X10 SFF 3.3V (2488/1244 MBPS DS/US, 20KM, SC/APCPIGTAIL	No.	2525	3030	3333
24	EPON/GPON VOIP SFU/GW PROCESSOR, FCBGA-483(600MHZ MIPS, 800MHZ NP,5 GBE,2 PCIE,2 USB,SIM CRD CNTRLR)	No.	2525	3030	3333
25	INSTRUMENT COOLING FAN, 120X120X25MM, 48V DC, 150CFM, WITH CONNECTOR or 159 CFM, 3 WIRE, WITH TACHO OUTPUT	No.	2424	2909	3200
26	SERIAL 10GBE/FIBRE CHAN. TRNSVR+WIS LAYER & XAUI I/F BGA	No.	232	278	306

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27	2GB(256MX64)DDR3SDRAM MOD CL11SODIMM-204P(MT/S-1600, MEM CLK:1.25NS, PC3-12800, BW-12.8GBPS,0-95°C	No.	408	490	539
30	ONT17A MODULE ASSY (GPON)	No.	2525	3030	3333
31	CONN POWER ATCA 34P MALE R/A PCB MOUNT PRESS FIT	No.	1740	2088	2297
32	4 LAYERED PCB, 200MM X 150MM X 1.6MM	No.	2550	3060	3366
33	WIRELESS HALF-MINI PCIE MODULE 802.11 A/B/G/N/AC, 3.3V (2T2R, 2.4/5GHZ, 867MBPS)	No.	2550	3060	3366
34	QPIH FACE PLATE ASSY	No.	1185	1422	1564
35	2.4-2.5/4.9-5.875 GHZ, 2.5DBI GAIN(TYP) @5.8GHZ VERT./OMNIDIRECT. 2 WAY ANTENNA(IMP=50 , CONN-RPSMA)	No.	5100	6120	6732
36	OCXO 12.8MHZ STRATUM - 3E 3.3V (5 PIN - DIP PKG)	No.	336	403	444
37	Isolated DC/DC Converters 36-75V 5Vout 10A TH auto restart neg lgc	No.	954	1145	1259
38	4-PORT OLT PON I/F CARD 8 LAYERS GLASS EPOXY (280X 322.25X1.6 MM, HIGH TG NEMA FR4)	No.	575	690	759
39	SFP+ CAGE ASSEMBLY, 1X1, PRESS FIT WITH HEAT SINK AND EMI SPRINGS	No.	3131	3757	4133

Sno.	Item	UOM	Qty for 2020-21	Qty for 2021-22	Qty for 2022-23
40	1GBIT (128MX8) FLASH MEMORY 3.3V 25NS TSOP	No.	2550	3060	3366
41	36-75V I/P, 8.1-13.2V / 33A O/P, DC-DC CONV, QB, ROHS, THROUGH HOLE	No.	236	283	312
42	-38 TO -75V DC I/P, 3.3/2.4A DC O/P, DC-DC CONV FOR ATCA BOARD - THROUGH HOLE (PB-FREE)	No.	289	347	381
43	3-14.4V I/P, 0.6-5.5V/12A O/P DC-DC CONV, SMD -ROHS	No.	1822	2186	2405
44	25MHZ, ±20PPM X-TAL SMD - 6X3.5 (FUND., 18PF)	No.	2550	3060	3366
45	FAN TRAY ASSY.	No.	176	211	232
46	CABLE ASSEMBLY, SMAUFL CONNECTOR, BULKHEAD, 220MM LENGTH	No.	5100	6120	6732
47	2GBIT (128MX16) DDR3L SDRAM 1.35V CL11 FBGA-96B (800HZ, 1.25NS, DDR3-1600, 0 TO 95°C)	No.	2550	3060	3366
48	5A, 0.8-5V O/P SYNC STEPDOWN DC-DC CONVRTR QFN (4.5-21V I/P)	No.	2550	3060	3366
49	CSCM FACE PLATE ASSY	No.	404	485	533
50	FPGA, LUT-6K, I/O-90, SG-7 TQFP-144P (VIN: 1.14-1.26V, MEM: 67KBIT, LAB-750, DRAM-12KBIT, COMTEMP)	No.	1214	1457	1602
51	PWR DIST MOD ASSY-1U	No.	114	137	150

Sno.	Item	UOM	Qty for 2020-21	Qty for 2021-22	Qty for 2022-23
52	CARD FRAME ASSY.-14S	No.	74	89	98
53	230V AC I/P, 12V/3.3A (40W) O/P AC-DC ADAPTOR (OP DC CONN 5.5X2.1X11)	No.	2550	3060	3366
54	2.2 $\mu$ H, $\pm$ 20%, 13A ISAT, SMD POWER INDUCTOR - ROHS	No.	2550	3060	3366
55	330 $\mu$ F, $\pm$ 20%, 10V LOW ESR POLYMER CAPACITOR, SMD - ROHS+D193	No.	11928	14314	15745
56	2-CH DUAL RINGING SLIC, QFN-40PIN (100V RINGING, 2.1W)	No.	2550	3060	3366
57	100 $\mu$ F, $\pm$ 20%, 10V, X5R, 1206 MLCC	No.	21426	25711	28282
58	128MX16 DDR2 SDRAM 1.8V, 2.5NS@CL5, FBGA (84 BALL, DDR2-800)	No.	674	809	890
59	330 $\Omega$ , $\pm$ 25% @ 100MHZ, 2.5A, 0805 SIZE SMD FERRITE BEAD (PB-FREE)	No.	2800	3360	3696
60	1 GBIT FLASH MEMORY, 3- 3.6V, 110NS TSOP-56 (PAGE MODE)	No.	924	1109	1220
61	RTC+WATCHDOG Y2K-COMP. 3.3V DIP-720	No.	183	220	242
62	OCTAL FREQ TRANSLATOR (8KHZ - 1GHZ), VFQFN-72P (CORE: 2.5V, VIN:3.13-3.46, 8 O/P LVPECL/LVDS/LVCMOS)	No.	670	804	884
63	CPU Assembly	No.	17800	21360	23496
64	RAM	No.	17800	21360	23496



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65	SSD/HDD	No.	17800	21360	23496
66	Monitor	No.	17800	21360	23496
67	Keyboard & Mouse	No.	17800	21360	23496
68	Power Adaptor	No.	17800	21360	23496
69	Micro Chip	No.	650000	780000	858000
70	Plastic Card	No.	650000	780000	858000
71	POWDER PANI PINK	Kgs.	2250	2700	2970
72	SMPS PLATE	Nos.	1800	2160	2376
73	SPRING	Nos.	3600	4320	4752
74	CRCA 2500X1250X1.0	Kgs.	31932	38318.4	42150
75	MULTI COIN FOR 6 DC12V MOD616	Nos.	1800	2160	2376
76	VEN. MTR GRD WITH SPRING 12VDC	Nos.	3600	4320	4752
77	SMPS POWER SUPPLY 12V DC 2A	Nos.	1800	2160	2376
78	GLASS WOOL	M <sup>2</sup>	2250	2700	2970
79	SS PIPE OD-120, L=200, TH=2MM	Nos.	1800	2160	2376
80	HEATER	Nos.	1800	2160	2376
81	CRCA 2500X1250X1.0	Kgs.	27234	32680.8	35949
82	CRCA 2500X1250X1.0	Kgs.	13392	16070.4	17677
83	HOSE PIPE	Mtr.	5400	6480	7128
84	FAN	Nos.	1800	2160	2376
85	Temperature controller UTC113P	Nos.	1800	2160	2376
86	SOLID STATE RELAY I/P VOLTAGE3-32V O/P 25-380V	Nos.	1800	2160	2376
87	WIRE 19 STRANDS OF 0.19mm	Mtr.	4500	5400	5940
88	SMPS POWER SUPPLY 12V DC 2A	Nos.	1800	2160	2376
89	MCB 16 AMP	Nos.	1800	2160	2376
90	AC GEAR MOTOR	Nos.	330	396	436
91	AC MOTOR	Nos.	330	396	436
92	SPINDLE ASSLY	Nos.	330	396	436
93	VACCUM PUMP	Nos.	330	396	436
94	SENSOR ASSLY	Nos.	330	396	436
95	FRP TOP COVER	Nos.	330	396	436

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96	HDPE RESIN raw material for manufacturing of PLB HDPE DUCT as per TEC GR SPEC No:TEC/GR/TX/CDS.008/3March-11 or its latest amendment	Kgs.	3300000	3960000	4356000
97	Silicon Polymer as per TEC GR SPEC No:TEC/GR/TX/CDS.008/3March-11 or its latest amendment	Kgs.	10000	12000	13200
98	IP/MPLS Router and Gateways	No.		75	75
99	Satellite Equipment (Hubs & Remoters)	No.		2 Hubs & 40 Remoters	40 Remoters
100	VOID Gateway	No.		50	50
101	Microwave Radio	No.		100	100
102	Etherner Switches	No.		50	50
103	Ruggedized Laptop	No.		50	50
104	High-end servers and PC	No.		300 no.s PC & 100 No.s Servers	300 no.s PC & 100 No.s Servers
105	SCADA RTU (Remote Transmission Unit)	No.		125	125
106	Rear Protection system and LCD Panel for NOC	No.		1	1
107	Test instruments-RF/Ethernet/Optical	No.		30	25
108	OTU (Optical Test Units)	No.		50	50
109	Tatra Vehicles 8*8	No.		45	45
110	EMI/EMC shelter	No.		40	40
111	Antenna Mast 20/30 Meter	No.		5	3
112	Vehicles-Four wheeler	No.		10	10
113	Battery-500 AH to 2000 AH	No.		13	9
114	Diesel Generator-5KVA to 160 KVA	No.		57	39
115	IC XC7K160T-2FFG676I FPGA KINTEX 676 BALLS	No.	1150	1380	1518

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116	ICXC7A100T ARTIX -7 -100T FPGA 484 balls	No.	2100	2520	2772
117	LEATHER CASE	No.	2550.00	3060	3366
118	MICROCONTROLLER,LQFP,208 PIN	No.	2600	3120	3432
119	SFP STACKED	No.	1100.00	1320	1452
120	LCD DISPLAY MODULE 5V GRAPHIC	No.	2800.00	3360	3696
121	QFN 36 PINS PRECISION CLOCK MULTIPLIER IC SI5324C	No.	1000	1200	1320
122	Bare PCB 6855 12 LAYERS	No.	1000	1200	1320
123	VR3 LTM4644IY	No.	2200.00	2640	2904
124	USB A-B PANEL MOUNT CONNECTOR	No.	1100.00	1320	1452
125	PUSH BUTTON SWITCH 800U	No.	6500	7800	8580
126	CONN HEADER VERT 16 POS	No.	2300	2760	3036
127	IC LMZ22010TZE	No.	1100	1320	1452
128	CONN RJ45 2 PORT 1000 BASE-T	No.	1200	1440	1584
129	LCD DISPLAY MODULE	No.	1100.00	1320	1452
130	ETHERNET TRANSCEIVER QFN 48 IC KSZ9031	No.	3500	4200	4620
131	RES 20K 1/4W POT	No.	4000	4800	5280
132	BRUSHLESS FAN	No.	2200	2640	2904
133	CR2 CELL	No.	3000.00	3600	3960
134	CAP 100UF/10V,1206	No.	27000.00	32400	35640
135	PUSH BUTTON SWITCH	No.	4500	5400	5940
136	IC TPS749XX	No.	5500	6600	7260
137	32 bit 512KB FLASH 208 balls IC LPC1788	No.	1200	1440	1584
138	FLAT CABLE ASSY., 16-PIN, 0.12 Mtr	No.	1200	1440	1584
139	FLAT CABLE ASSY., 12-PIN, 0.12 Mtr	No.	1200	1440	1584
140	IC ATSAMA5D36A	No.	1200	1440	1584
141	AQUEOUS PROCESSABLE TWO COMPONENTS SOLDER MASK INK(PISM)WITH SUITABLE HARDNER PACKING IN 1kg CONTAINER	kg	200	200	200



Sno.	Item	UOM	Qty for 2020-21	Qty for 2021-22	Qty for 2022-23
142	LEGEND MARKING SCREEN PRINTING INK -WHITE-U.V.CURABLE PACKING IN 1 kg CONTAINER.TO WITH STAND HAL OPERATION & NO DISCOOURATION	kg	10	10	10
143	ALKALI STRIPPABLE ETCH RESIST INK UV CURABLE 1400B NP-30(ETCH RESIST BLUE SP 269NK) PACKING IN 5kg CONTAINER	kg	10	10	10
144	FRAME ADHESIVE WITH SUITABLE HARDNER TYPE :AREA BOND ADHESIVE 930 WITH HARDNER PACKING DETAILS: EACH SET TO CONTAIN 1kg ADHESIVE + 200 GRAMS OF HARDNER	kg	10	10	10
145	SCREEN PRINTING ULANO CDF-4 STENCIL DE-COATING POWDER	kg	10	10	10
146	SCREEN PRINTING MESH (POLYSTER BOLTING CLOTH) 108 CM WIDTH 43 T	m	40	40	40
147	SOLDER MASK RESIST INK (PEELABLE) CODE- XZ6-522-1	kg	10	10	10
148	PHOTO POLYMER FILM (DRY FILM ) AQUEOUS TYPE 10" X 492 FEET PHOTO RESIST : 1.5 MIL = 0.38 MM	rolls	40	40	40
149	PHOTO POLYMER FILM (DRY FILM ) AQUEOUS TYPE SIZE : 11 " X 492 FEET	rolls	40	40	40
150	PHOTO POLYMER FILM (DRY FILM ) PHOTO RESIST AUEOUS TYPE SIZE : 1.5 MIL X 16" X 492 FEET	rolls	20	20	20
151	POSTIVE DIAZO PHOTO MASK FILM SIZE : 7 MIL THICK X 24" X 30 FEET	films	200	200	200
152	DOUBLE SIDED GLASS EPOXY COPPER CLAD LAMINATES FR-4 GRADE 8 -PLY 17.5 MICRONS SIZE : 1.6 X 1067 X 1220 MM SPC : D2310/6	sheets	600	600	600

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153	D/S GLASS EPOXY CU. CLAD LAMINATES FR-4 GRADE-8 PLY 35 MICRONS SIZE : 1.6 X1067 X 1220 MM (1.6X3.5'X4'	sheets	200	200	200
154	D/S GLASS EPOXY CU. CLAD LAMINATES FR-4 GRADE-8 PLY 17.5 MICRONS SIZE : 0.8 X915 X 1220 MM	sheets	100	100	100
155	S/S GLASS EPOXY CU CLAD LAMINATES FR-4 GRADE 8 PLY 35 MICRONS SIZE : 1.6 X 1067 X 1220 MM	sheets	100	100	100
156	BACK UP MATERIAL (PHENOL FIBRE PAPER BASED) 1.8X 1087X1220 MM	kg	2000	2000	2000
157	SOLDER STICKS GRADE 60:40 SPEC:D2019/1	kg	350	350	350
158	COPPER ANODE NUGGET 25 MM DIA BALLS COPPER AND PHOSPHEROUS MAINTAINED	kg	700	700	700
159	TIN ANODE 25 MM DIA. OVAL 2384/63, 1 NO=4 KG	kg	300	300	300
160	POLY VINYL FLOURIDE RELEASE FILM	rolls	2	2	2
161	AIR BUBBLE FILM 500MM W X 125 MICRON	rolls	7	7	7
162	LDPE PLAIN SHEETS FOR VACCUM PACKING MACHINE 625 MM W X 265 TO 285 MICRON THICK	kg	200	200	200
163	POLYVINYL ALCOHOL	L	200	200	200
164	DRILL BITS	Nos.	500	500	500
165	ROUTER BITS	Nos.	100	100	100
166	V - GROOVE BLADES	Nos.	6	6	6
167	AUTO SAWING BLADES	Nos.	4	4	4
168	COLLET FOR HIGH SPEED CNC DRILLING MACHINE	Nos.	12	12	12
169	ALUMINIUM ENTRY SHEETS	Nos.	1000	1000	1000
170	PREPREG 7628	rolls	8	8	8

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171	PREPREG 1080	rolls	4	4	4
172	COPPER FOIL OF 35 MIC THICK	rolls	2	2	2
173	BUTYL CELLO SOLVE LR GRADE PACKING IN 500ML BOTTLE	L	20	20	20
174	SULPHURIC ACID LR GRADE PACKING IN 5 LR	L	1500	1500	1500
175	HYDROCHLORIC ACID AR GRADE	L	300	300	300
176	TIN STRIPPER SOLUTION (NITRIC ACID BASE)	L	1500	1500	1500
177	HOT AIR LEVELLING FLUX PACKING IN 20/5 LR	L	200	200	200
178	NON SILICON BASE ANTI FOAM 300 FOR PCB STRIPPING PROCESS	L	50	50	50
179	NON SILICON BASE ANTI FOAM 200 FOR PCB DEVELOPING PROCESS	L	50	50	50
180	POTTASIUUM HYDROXIDE (KOH) LR GRADE PACKING IN 5 KG	kg	150	150	150
181	SODIUM CARBONATE LR GRADE	kg	500	500	500
182	AMMONIUM PERSULPHATE LR GRADE PACKING IN 50 KGS/25KGS	kg	200	200	200
183	BUTYL CARBITOL CP GRADE PACKING IN 200 KG DRUM	kg	200	200	200
184	LIQUOR AMMONIA LR GRADE	L	50	50	50
185	COPPER SULPHATE LR GRADE	kg	200	200	200
186	ISO PROPHYL ALCOHOL	L	200	200	200
187	MONO ETHANO LAMINE AR GRADE	L	50	50	50
188	POLYVINYL ALCHOHOL	kg	20	20	20
189	TIN BRIGHT STANOUS SULPHATE	kg	40	40	40
190	ACTIVATED CARBON GS A50	Kg	50	50	50
191	GINPLATE CU 406 A	L	480	480	480
192	GINPLATE CU 406 B	L	480	480	480
193	GINPLATE CU 406 C	L	80	80	80
194	SWELLER E SECURIGANTH PREMIX NAOH	Kg	40	40	40

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195	PERMANGANATE SECURIGANTH P STABILISER	Kg	20	20	20
196	PERMANGANATE SECURIGANTH P500DOSING SOLUTION	Kg	40	40	40
197	PERMANGANATE SECURIGANTH P REGENERATION SALT	Kg	30	30	30
198	REDUCTION CONDITIONER	Kg	40	40	40
199	CUPRIC CHLORIDE	Kg	400	400	400
200	ETCHING STARTER SOLUTION	L	1000	1000	1000
201	RESIST STRIP PRIO	L	200	200	200
202	CUPRAID UNIVERSAL PLUS ADDITIVE	Kg	100	100	100
203	STH ADDITIVE	Kg	40	40	40
204	GR 2 ADDITIVE	Kg	40	40	40
205	Cleaner/Conditioner Metex 9267 Packing in 25 kg	L	200	200	200
206	Cleaner/Conditioner Metex 9429 Packing in 20 Liter	L	20	20	20
207	P19267 Macu Prep Etch G4 Packing in 25 Kg	Kg	200	200	200
208	Prep Metex 9008 Liquid Packing in 20 LR	L	400	400	400
209	Pre Metex 9008 Powder Packing in 25 Kg	Kg	25	25	25
210	Mactivate -10 (Activator) Packing in 3.75 LR.1 Gallon = 3.75LR	Gallons	2	2	2
211	Accelerator P:9074 Metex PTH Packing in 20 LR	L	100	100	100
212	Accelerator P:9075 Metex PTH PACKING IN 20 LR	L	20	20	20
213	Electroless Bath Macu Dep 22A Packing in 20 LR	L	700	700	700
214	Electroless Bath Macu Dep 22B Packing in 20 LR	L	900	900	900

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215	Anti Tarnish Metex M-667 Packing in 20 LR	L	60	60	60
216	Electrolytic Copper Brightner Macu 9241 Packing in 20 LR	L	60	60	60
217	Acid Cleaner Metex 9268	L	80	80	80
218	Micro Etch Metex PTH Etch G5-S Packing in 20 LR	L	40	40	40
219	Micro Etch Metex PTH Etch G5-B Packing in 25 LR	L	80	80	80
220	Universal Stabliser 9003 Packing in 20 LR	L	40	40	40
221	( H.S. Accu guard ) Alkaline Etchant (Ultra Etch 50 Replenisher) Packing in 210 LR Drum	L	1680	1680	1680
222	Alkaline Etchant (Ultra Etch 50) Make-up Solution Packing in 210 LR Drum	L	200	200	200
223	Metex Nitra Add 3645 (M13645)	Kg	50	50	50
224	Macuplex L 50	L	60	60	60
225	Omnibond 9249	L	60	60	60
226	Omnibond 9251	L	80	80	80
227	COTTON WASTE	Kg	100	100	100
228	POLYPROPYLENE BAG FOR COPPER ANODE (NUGGETS) WITH FILTERATION UP TO 10 MICRONS	Nos.	50	50	50
229	POLYPROPYLENE BAG FOR TIN ANODE WITH FILTERATION UP TO 10 MICRONS SIZE:69 CMSX13 CMS	Nos.	50	50	50
230	FILTER CARTRIDGE 10" LENGTH	Nos.	20	20	20
231	FILTER CARTRIDGE 20"	Nos.	20	20	20
232	NITRIC ACID TG GRADE	Kg	450	450	450
233	HYDROCHLORIC ACID TG GRADE	Kg	2000	2000	2000
234	SULPHURIC ACID TG GRADE	Kg	610	610	610
235	UNIGLO BRIGHTNER A	50 L	51	51	51
236	UNIGLO BRIGHTNER B	20L	20	20	20
237	UNIIGLO BRIGHTNER C	15 L	16	16	16



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238	Zincalite NCZ 106 Salt	Kg	100	100	100
239	SODIUM NATRITE LR GRADE	Kg	5	5	5
240	SIEMENS GREY POWDER COAT	Kg	201	201	201
241	Nickel additive 704	50L	50	50	50
242	NICKEL BRIGHTNER 703	30L	30	30	30
243	ZINC ANODE WITH BRASS HOOK	50 Nos	50	50	50
244	ZINC ANODE BAGS (GUNNY CLOTH)	30 Nos	30	30	30
245	POLYPROPHELENE NICKEL ANODE BAGS size 25cm,65cm	30 Nos	30	30	30
246	NICKEL ANODE INCO BRAND	Kg	201	201	201
247	VISIN PLUS CONDITIONER	30 L	31	31	31
248	TRICHROME HB 2203C	Kg	60	60	60
249	TRICHROME HB 2000M	Kg	30	30	30
250	SODIUM HYDROXIDE TG	Kg	250	250	250
251	BORIC ACID	Kg	60	60	60
252	NICKEL CHLORIDE	Kg	20	20	20
253	NICKEL SULPHATE	Kg	50	50	50
254	HYDROGEN PEROXIDE	Kg	300	300	300
255	CUBRITE NC MAKE UP 81	50L	50	50	50
256	CUBRITE NC MAKE UP 82	20L	20	20	20
257	N.C THINNER	50 L	51	51	51
258	TRICHLOROETHYLENE	Kg	5101	5101	5101
259	TOUCHWOOD LAQUER	50L	50	50	50
260	N C CLEAR LAQUER	10L	10	10	10
261	ALOCOAT	Kg	21	21	21
262	BARE COPPER WIRE	Kg	50	50	50
263	BARE ANNEALED ALUMINIUM WIRE	Kg	51	51	51
264	SOLAR CELLS	Nos.	540000	648000	712800
265	TOUGHENED GLASS (AR Coated )	Nos.	30000	36000	39600
266	EVA SHEET	SQ MTR	27060	32472	35719.2
267	BACK SHEET	SQ MTR	14760	17712	19483.2

Sno.	Item	UOM	Qty for 2020-21	Qty for 2021-22	Qty for 2022-23
268	ANODIZED AL. FRAME WITH CORNER BLOCK	set	30000	36000	39600
269	JUNCTION BOX	Nos.	30000	36000	39600
270	Cell inter connect Cu Bus Bar,	kg	1245	1494	1643.4
271	SILICON SEALANT	LT.	2100	2520	2772
272	PACKING MATERIAL	NO.	30000	36000	39600
273	LABEL	Nos.	90000	108000	118800
274	NO CLEAN FLUX	LT.	900	1080	1188
275	CELL HOLDING TAPE	MTR	15000	18000	19800
276	BACK LABEL	Nos.	30000	36000	39600
277	RFID TAG.	Nos.	30000	36000	39600
278	CU BUS BAR	kg	726	871.2	958.32
279	Solderpaste ( RoHS ) - Leaded	kg	20	24	26
280	Solderpaste ( Non-RoHS ) - Lead free	kg	20	24	26
281	SMT Adhesive	Syringes	3	3.6	4
282	Solderwire ( RoHS ) 0.8mm	kg	3	3.6	4
283	Solderwire ( RoHS ) 0.5mm	kg	2	2.4	3
284	Solderwire (Non-RoHS) 0.8 mm	kg	3	3.6	4
285	Splicing tapes 8mm	Boxes	10	12	13
286	Splicing tapes 12mm	Boxes	5	6	7
287	Stencil cleaning paper rolls ( Ekra Machine)	Nos.	40	48	53
288	No clean Flux cleaning solutions	Litres	20	24	26
289	ISO Prophyle Alcohol	Litres	20	24	26
290	18 SWG Soldering Wire ( RoHS ) - Leaded	kg	50	60	66
291	18 SWG Soldering Wire (Non-RoHS)- Lead free	kg	50	60	66
292	20 SWG Soldering Wire ( RoHS )	kg	75	90	99
293	20 SWG Soldering Wire (Non-RoHS)	kg	75	90	99
294	22 SWG Soldering Wire ( RoHS )	kg	75	90	99
295	22 SWG Soldering Wire (Non-RoHS)	kg	75	90	99
296	Wave Soldering Bar	kg	600	720	792
297	No Clean Flux Solution	Litres	200	240	264
298	ISO Prophyle Alcohol	Litres	200	240	264