



ANNEXURE 5

LIST OF MINIMUM T&P'S TO BE MAINTAINED BY CONTRACTOR - PART B JOB RATE CONTRACT					
MINIMUM QTY. IS ESTIMATED CONSIDERING LEAD PERIOD AND CONSUMPTION DURING THAT PERIOD.					
SR. NO.	DETAILS OF TOOLS & PLANTS	DETAILED SPECIFICATION	MAKE & CAT NO. (PLEASE WRITE IF APPLICABLE)	UNIT	QUANTITY
1	WELDING MACHINE 400AMPS,3PHASE WITH REGULATOR	L&T, ADORE, ESAB	L&T, ADORE, ESAB	NOS	12
2	WELDING MACHINE PORTABLE 1 PHASE WITH REGULATOR	L&T, ADORE, ESAB	L&T, ADORE, ESAB	NOS	4
3	CHAPSAW MACHINE	BOSCH/EQUIVALENT	BOSCH/EQUIVALENT	NOS	2
4	WINCH MACHINE 1T & 2T WITH PULLEY & ROPE	Standard Brand	Standard Brand	NOS/EACH	1
5	WELDING REGULATOR WITH CABLE 100MTR EACH	L&T, ADORE, ESAB	L&T, ADORE, ESAB	NOS	6
6	WELDING CABLE 100MTR ALONG WITH TORCH	L&T, ADORE, ESAB	L&T, ADORE, ESAB	NOS	6
7	WELDING CABLE-COPPER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT		METRE	50
8	CUTTING NOZZLE	A 1/16	ESAB/EQUIVALENT	NOS	4
9	CUTTING NOZZLE	B 3/64	ESAB/EQUIVALENT	NOS	4
10	CUTTING HOSE(OXYGEN & DA)	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	METRE	900
11	CUTTING SET	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	6
12	FIREBACK ARRESTOR	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	10
13	REGULATOR O2	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	10
14	REGULATOR DA	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	8
15	REGULATOR LPG	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	0
16	ARGON REGULATOR	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	10
17	ARGON TORCH	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	6
18	ARGON HOSE 100 M LENGTH	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	6
19	ARGON PURGE PIPE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	ESAB/EQUIVALENT	NOS	0
20	MEASUREMENT TAPE	3M	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	10
21	MEASUREMENT TAPE	5M	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	10
22	MEASUREMENT TAPE	15M	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	2
23	MEASUREMENT TAPE	50M	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
24	WHITENER FOR MARKING	Camlin	Camlin/EQUIVALENT	NOS	30
25	SEARCH LIGHT	Brite light	Brite light/EQUIVALENT	NOS	5
26	LED TORCH LIGHT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	EVEREADY/EQUIVALENT	NOS	10
27	LIFE LINE ROPE	Karam	Karam/EQUIVALENT	M	200
28	CHAIN PULLEY BLOCKS	1MT/5M	SAFEX/INDEF	NOS	6
29	CHAIN PULLEY BLOCKS	3MT/8M	SAFEX/INDEF	NOS	10
30	CHAIN PULLEY BLOCKS	5MT/8M	SAFEX/INDEF	NOS	6
31	CHAIN PULLEY BLOCKS	10MT/10M	SAFEX/INDEF	NOS	6
32	D-SHACKLES	1MT TO 10 MT	SAFEX/INDEF	NOS/EACH	8
33	D-SHACKLES	15MT & 20 MT	SAFEX/INDEF	NOS/EACH	4
34	EYE BOLT	10MM,12MM,16MM,20MM	SAFEX/INDEF	NOS/EACH	8
35	EYE BOLT	24MM,30MM,36MM,42MM	SAFEX/INDEF	NOS/EACH	4
36	BELT SLING	1MT,2MT,3MT,5MT,8MT,10MT	SAFEX/INDEF	NOS/EACH	4
37	WIRE ROPE SLINGS	8MM*2M	SAFEX/INDEF	NOS	8
38	WIRE ROPE SLINGS	16MM*6M	SAFEX/INDEF	NOS	8
39	WIRE ROPE SLINGS	20MM*8M	SAFEX/INDEF	NOS	8
40	WIRE ROPE SLINGS	25MM*8M	SAFEX/INDEF	NOS	4
41	WIRE ROPE SLINGS	32MM*10M	SAFEX/INDEF	NOS	4

42	WIRE ROPE SLINGS	46MM*6M	SAFEX/INDEF	NOS	4
43	HYDRAULIC JACK WITH PUMP 30MT	30MT/50MM STROKE	ENERPAC/EQUIVALENT	NOS	2
44	HYDRAULIC JACK WITH PUMP 50MT	50MT/100MM STROKE	ENERPAC/EQUIVALENT	NOS	2
45	HYDRAULIC JACK WITH PUMP 100MT	100MT/150MM STROKE	ENERPAC/EQUIVALENT	NOS	2
126	TAPER WEDGE JACK	50MT/50MM STROKE	ENERPAC/EQUIVALENT	NOS	4
46	HALOGEN			NOS	10
47	AIR HOSE 1" FIBRE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	METRE	300
48	GRINDING MACHINE	AG-4	BOSCH/EQUIVALENT/KPT	NOS	4
49	GRINDING MACHINE	AG-5	BOSCH/EQUIVALENT/KPT	NOS	6
50	GRINDING MACHINE	AG-7	BOSCH/EQUIVALENT/KPT	NOS	4
51	GRINDING MACHINE	FLEXIBLE FF-2	BOSCH/EQUIVALENT/KPT	NOS	2
54	HAND DRILL MACHINE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	BOSCH/EQUIVALENT/KPT	NOS	1
55	MAGNETIC DRILL MACHINE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	BOSCH/EQUIVALENT/KPT	NOS	1
56	MAGNETIC STAND FOR DRILLING M/C	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	BOSCH/EQUIVALENT/KPT	NOS	0
57	BOX SPANNER SET	6-32MM	TAPARIA/EQUIVALENT/MEKASTER	SETS	3
58	BOX SPANNER SET	36-80MM	TAPARIA/EQUIVALENT/MEKASTER	SETS	2
59	VERNIER CALIPER	150MM	MITUTOYO/EQUIVALENT	NOS	3
60	VERNIER CALIPER	300MM	MITUTOYO/EQUIVALENT	NOS	1
	DIGITAL VERNIER	150MM	MITUTOYO/EQUIVALENT	NOS	1
61	DEPTH VERNIER	300MM	MITUTOYO/EQUIVALENT	NOS	1
62	FILLER GUAGE SET	150MM	MITUTOYO/EQUIVALENT	NOS	5
63	FILLER GUAGE SET	300MM	MITUTOYO/EQUIVALENT	NOS	5
64	TELESCOPIC GAUGE		MITUTOYO/EQUIVALENT	NOS	1
	DIAL GAUGE	3MM	MITUTOYO/EQUIVALENT	NOS	2
65	DIAL GAUGE	5MM	MITUTOYO/EQUIVALENT	NOS	4
66	DIAL GAUGE	10MM	MITUTOYO/EQUIVALENT	NOS	10
67	MAGNETIC BASE FOR DIAL GAUGE		MITUTOYO/EQUIVALENT	NOS	4
68	INSIDE MICROMETER	50-1000MM	MITUTOYO/EQUIVALENT	NOS	1
69	OUTSIDE MICROMETER	0-25	MITUTOYO/EQUIVALENT	NOS	2
70	OUTSIDE MICROMETER	0-150MM	MITUTOYO/EQUIVALENT	NOS	1
71	OUTSIDE MICROMETER	150-300	MITUTOYO/EQUIVALENT	NOS	1
72	OUTSIDE MICROMETER	300-400MM	MITUTOYO/EQUIVALENT	NOS	1
73	MASTER LEVEL	150MM	MITUTOYO/EQUIVALENT	NOS	2
74	MASTER LEVEL	300MM	MITUTOYO/EQUIVALENT	NOS	1
75	SPIRIT LEVEL	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	MITUTOYO/EQUIVALENT	NOS	2
76	PITCH GUAGE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	MITUTOYO/EQUIVALENT	NOS	2
77	TAPER GUAGE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	MITUTOYO/EQUIVALENT	NOS	1
78	ANGLE PROTRACTOR	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	MITUTOYO/EQUIVALENT	NOS	1
79	STEEL RULE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	MITUTOYO/EQUIVALENT	NOS	2
80	DIVIDER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	MITUTOYO/EQUIVALENT	NOS	2
81	PROTRACTOR	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	MITUTOYO/EQUIVALENT	NOS	1
82	BENCH VICE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	2
83	CUTTING SET TROLLEY	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	6
84	HAMMERING SPANNER-RING & D	24MM,27MM,30MM,32MM,36MM,41MM,46MM,50MM,55MM,60MM,65MM,70MM,	TAPARIA/EQUIVALENT/MEKASTER	NOS/EACH	2
85	SPANNER-RING & D	41MM,46MM,50MM,55MM,60MM,65MM,70MM,75MM,80MM,85MM,90MM,95MM	TAPARIA/EQUIVALENT/MEKASTER	NOS/EACH	2

86	TAP SET	3MM,4MM,5MM,6MM,8MM,10MM,12MM,16MM,20MM,24MM,27MM,30MM,36MM(METRIC/FINE)	TOTEM/JK	NOS/EACH	1
87	TAP WRENCH	TOTEM/JK	TOTEM/JK	NOS	1
88	RING SPANNER	6MM-32MM	TAPARIA/EQUIVALENT	SETS	15
89	D-SPANNER	6MM-32MM	TAPARIA/EQUIVALENT	SETS	16
90	RIGHT ANGLE	6 & 12	TAPARIA/EQUIVALENT	NOS	10
91	MOTHER OVEN	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
92	ELECTRODE BAKING OVEN(PORTABLE)	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	10
93	BEARING SCRAPPER HALF ROUND	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	1
94	BEARING SCRAPPER TRIANGLE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	1
95	HACKSAW FRAME BIG	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	3
96	HACKSAW FRAME MINI	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	3
97	SHIM CUTTER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	4
98	CUTTING PLIER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	10
99	NOSE PLIER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	10
100	MONKEY PLIER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	5
101	CIRCLIP PLIER-SMALL	INTERNAL & EXTERNAL	TAPARIA/EQUIVALENT	NOS	4
102	CIRCLIP PLIER-MEDIUM	INTERNAL & EXTERNAL	TAPARIA/EQUIVALENT	NOS	4
103	CIRCLIP PLIER-LARGE	INTERNAL & EXTERNAL	TAPARIA/EQUIVALENT	NOS	4
104	CONCRETE DRILL BIT	12MM,14MM,16MM	BOSCH/EQUIVALENT/KPT	NOS/EACH	3
105	DRILL BIT SETS	6-12MM	BOSCH/EQUIVALENT/KPT	SETS	5
106	HSS TAPER SHANK DRILL BITS	13MM TO 30MM	BOSCH/EQUIVALENT/KPT	NOS/EACH	2
107	BEARING PULLER	8" & 12"	TAPARIA/EQUIVALENT	NOS	4
108	SCAFFOLDING PIPE	3 METRE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	250
109	SCAFFOLDING PIPE	6 METRE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	150
110	BATTERN	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	200
111	SCAFFOLDING CLAMPS	FIXED AND SWIVEL	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS/EACH	300
112	C-CLAMP	4",6",8",10",12"	TAPARIA/EQUIVALENT	NOS/EACH	2
113	ALLEN KEY	1-10MM(BOX)	TAPARIA/EQUIVALENT	SET	10
114	ALLEN KEY	12MM,14MM,17MM,19MM,22MM,24MM,27MM,30MM,32MM	TAPARIA/EQUIVALENT	NOS/EACH	2
115	ALLEN KEY	1/6 TO 3/8 INCH	TAPARIA/EQUIVALENT	SET	4
116	PIPE WRENCH	12"	TAPARIA/EQUIVALENT	NOS	8
117	PIPE WRENCH	18"	TAPARIA/EQUIVALENT	NOS	4
118	PIPE WRENCH	24"	TAPARIA/EQUIVALENT	NOS	2
119	SCREW DRIVER	12'	TAPARIA/EQUIVALENT	NOS	12
120	SCREW DRIVER	18"	TAPARIA/EQUIVALENT	NOS	12
121	SCREW SPANNER	12",18"	TAPARIA/EQUIVALENT	NOS	20
122	HAMMERS	4LB	TAPARIA/EQUIVALENT	NOS	10
123	HAMMERS	10LB,22LB	TAPARIA/EQUIVALENT	NOS/EACH	4
124	HAMMERS	33LB	TAPARIA/EQUIVALENT	NOS/EACH	2
125	HAMMERS	44LB	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	2

127	VACCUUM CLEANER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	BOSCH/EQUIVALENT/KPT	NOS	1
128	INDUCTION PIPE COIL HEATING SYSTEM FOR SP	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SET	3
129	ALUMINIUM LADDER 3 MTR	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	2
130	HYDRA/CRANE		ESCORT	NOS	1
131	TRUCK/TRAILER		TATA	NOS	1
132	NYLON HAMMERS	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	NOS	5
133	GREASE GUN WITH HOSE AND NIPPLES	1KG,3KG,5KG		NOS/EACH	1
134	TOOL BOX WITH ALL HAND TOOLS	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	12
135	SINGLE ROPE PULLEY	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	3
136	LETTER PUNCH	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
137	NUMBER PUNCH	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
138	AIR GUN WITH ACCESSORIES	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
139	OIL BARREL PUMP	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	2
140	COPPER ROD	300MM -LENGTH.40MM-OD	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	10
141	ROPE LADDER	6M LENGTH	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	2
142	TRANSFORMER 24V	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	6
143	AIR BLOWER	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	2
144	MULTI METER DIGITAL	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	2
145	TWO CORE CABLE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	METRE	200
146	THREE CORE CABLE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	METRE	200
147	SWITCH BOARDS WITH MCB	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	25
148	HAND LAMP WITH 24 V	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	10
149	FILE FLAT	6" & 12" ROUGH	TAPARIA/EQUIVALENT	NOS	10
150	FILE FLAT	6" & 12" SMOOTH	TAPARIA/EQUIVALENT	NOS	10
151	FILE TRIANGLE	6" & 12" ROUGH	TAPARIA/EQUIVALENT	NOS	10
152	FILE TRIANGLE	6" & 12" SMOOTH	TAPARIA/EQUIVALENT	NOS	10
153	NEEDLE FILE SETS	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	TAPARIA/EQUIVALENT	SET	3
154	PIPE THREADING DIE SET	3/8"	TOTEM/JK	NOS	1
155	PIPE THREADING DIE SET	1/2"	TOTEM/JK	NOS	1
156	PIPE THREADING DIE SET	3/4"	TOTEM/JK	NOS	1
157	PIPE THREADING DIE SET	1"	TOTEM/JK	NOS	1
158	PIPE THREADING DIE SET	1 1/4"	TOTEM/JK	NOS	1
159	BEARING PULLER (HYDRAULIC)		SKF/EQUIVALENT	NOS	1
160	BEARING HEATING MACHINE	20-100MM	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
161	BEARING HEATING MACHINE	60-600MM	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
162	RIVETING MACHINE	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	SUITABLE FOR SAFE & QUALITY WORK ENVIRONMENT	NOS	1
163	WATER LEVEL PIPE			METRE	50
164	PLUMB			NOS	2
165	HI-LO WELDING GAUGE/BRIDGE CAM GAUGE			NOS	1

**Note:**

1. The above mentioned minimum quantity of Tools & Plants and equipment have to be maintained by the Contractor at the Owner's site through out the Contract period and has to be replenished by the Contractor as and when the quantity is consumed. The Tools & Plants as specified above are not exhaustive and the Contractor has to deploy additional Tools & Plants as per site requirement to complete the scope of work in all respects, without any financial implication to the Owner. Other details shall be as per scope of work.

2. The above mentioned equipment must be of ISI and of industrial grade from standard manufacturer.

3. The vendor should provide 3rd party testing certificate of all T&P's.

4. The vendor should provide the calibration certificate of all the measuring instrument.