

VOLUME - I A - TECHNICAL CONDITIONS OF CONTRACT

1. SCOPE OF SUPPLY: PROCUREMENT OF ELECTRICAL COMPONENTS OF LT SWGR UNIT#3 AT 3X800MW PVUNL, PATRATU SITE as described below:

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
1	Fuse Holder (CHO32R)	CHO32R	22	Nos
2	Neutral Fuse base (CNS20H)	CNS20H	4	Nos
3	Industrial Power socket	Power socket	1	Nos
4	Thermostat	Thermostat	1	Nos
5	Coupling relay With base	Interposing relay	2	Nos
6	Local Remote Switch	Selector Switch	1	Nos
7	Panel Door hinge	Door Hinge	6	Set
8	Space heater	Space heater	1	Nos
9	AIH Assembly	CS-AIH-3-320	1	Nos
10	Arc Chute for 4000 AACB	CS-ARCCHT-40D	3	Nos
11	Compl pole Assembly	CS-CONDUNIT-40D	3	Nos
12	Aux Switch 7NO+7NC	CS-AXH-7A7B-220	1	Nos
13	Closing coil-220VDC	CS-AVH-C-220	1	Nos
14	Tripping coil-220VDC	CS-AVH-S-220	1	Nos
15	Hardware Kit for 3200 A -4000AACB	HARDWARE-30DO	1	Nos
16	Fuse Holder (CHO32R)	CHO32R	22	Nos
17	Neutral Fuse base	CNS20H	4	Nos
18	Industrial Power socket	Industrial Power socket	1	Nos
19	Thermostat	Thermostat	1	Nos
20	Coupling relay With base	Coupling relay With base	2	Nos
21	Local Remote Switch	Local Remote	1	Nos
22	Panel Door hinge	Panel Door hinge	6	Set
23	Space heater	Space heater	1	Nos
24	AIH Assembly	CS-AIH-3-320	1	Nos
25	Arc Chute	CS-ARCCHT-40D	3	Nos
26	Complete pole Assembly	CS-CONDUNIT-40D	3	Nos
27	Aux Switch 7NO+7NC	CS-AXH-7A7B-22 0	1	Nos
28	Closing coil-220VDC	CS-AVH-C-220	1	Nos
29	Tripping coil-220VDC	CS-AVH-S-220	1	Nos
30	ACB Hardware kit	HARDWARE-30DO	1	Nos
31	AH30D-CS Keylock ACB	AKI-2D	10	Nos
32	ACB Indication Sticker`	ACB Position Sticker`	20	Nos
33	AH-8D-CS- Closing Coil	CS-AVH-C-116-	50	Nos
34	AH-8D-CS- Shunt Coil	CS-AVH-S—116	50	Nos
35	36 Way AIH Assembly	CS-AIH-3-116	25	Nos
36	7AX7B Switch	CS-AXH-7A7B-116	25	Nos
37	AH8D-CS Key Lock ACB	AKI-11 6D	40	Nos
38	Fuse Holder (CHO32R)	CHO32R	16	Nos
39	Neutral Fuse base (CNS20H)	CNS20H	4	Nos
40	Industrial Power socket	Industrial Power socket	1	Nos
41	Thermostat	Thermostat	1	Nos
42	AIH Assembly	CS-AIH-3-116	1	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
43	Arc Chute	CS-ARCCHT-06D-16D	3	Nos
44	Complete pole Assembly	CS-CONDUNIT-16D	3	Nos
45	Aux Switch 7NO+7NC	CS-AXH-7A7B-116	1	Nos
46	Closing coil-220VDC	CS-AVH-C-116-	1	Nos
47	tripping coil-220VDC	CS-AVH-S—116	1	Nos
48	ACB Hardware kit	HARDWARE-16D0	1	Nos
49	Lower Mechanism	LWRMECH6-16D	1	Nos
50	AIH Assembly	CS-AIH-3-116	1	Nos
51	Arc Chute	CS-ARCCHT-06D-16D	3	Nos
52	Complete pole Accemboly	CS-CONDUNIT-16D	3	Nos
53	Aux Switch 7NO+7NC	CS-AXH-7A7B-116	1	Nos
54	Closing coil-220VDC	CS-AVH-C-116-	1	Nos
55	tripping coil-220VDC	CS-AVH-S—116	1	Nos
56	ACB Hardware kit	HARDWARE-16D0	1	Nos
57	ACB Restoration kit -3000A	AH-30D-CS	2	Nos
58	AIH Assembly	AH-30D-CS	2	Set
59	Position indication switch	AH-30D-CS	2	Nos
60	ACB Restoration kit -800A	AH-8D-CS	9	Nos
61	AIH Assembly	AH-8D-CS	10	Set
62	AIH Support	AH-8D-CS	3	Nos
63	Position indication switch	AH-8D-CS	10	Nos
64	Numerical Relay	7SJ66	9	Nos
65	ACB Restoration kit -3000A	AH-30D-CS	2	Nos
66	AIH Assembly	AH-30D-CS	2	Set
67	Position indication switch	AH-30D-CS	2	Nos
68	ACB Restoration kit-800A	AH-8D-CS	9	Nos
69	AIH Assembly	AH-8D-CS	10	Set
70	AIH Support	AH-8D-CS	3	Nos
71	Position indication switch	AH-8D-CS	10	Nos
72	Numerical Relay	7SJ66	9	Nos
73	7NO/7NC Auxiliary switch	AH-30D-CS	2	Nos
74	Closing Coil 220VDC	AH-30D-CS	2	Nos
75	Main Isolating Contacts (Jaw Contacts-2 Nos Per pole)	AH-30D-CS	2	Set
76	Tripping Coil 220VDC	AH-30D-CS	2	Nos
77	Position indication switch	AH-30D-CS	2	Nos
78	7NO/7NC Auxiliary switch	AH-8D-CS	14	Nos
79	ACB Antipumping relay	AH-8D-CS	1	Nos
80	Manual Charging ACB Handle	AH-8D-CS	3	Nos
81	AIH Assembly	AH-8D-CS	13	Set
82	ARC Chute	AH-8D-CS	15	Nos
83	Closing Coil 220VDC	AH-8D-CS	12	Nos
84	Tripping Coil 220VDC	AH-8D-CS	12	Nos
85	Closing coil limit switch	AH-8D-CS	5	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
86	Complete Mechanism (Lower & Upper) (without side plate & conductor assembly)	AH-8D-CS	2	Nos
87	Complete Pole Assembly	AH-8D-CS	34	Set
88	Door Inter Lock	AH-8D-CS	1	Nos
89	Jaw Contact	AH-8D-CS	21	Set
90	MCR	AH-8D-CS	10	Nos
91	Key Lock (One lock + One key)	AH-8D-CS	3	Nos
92	Motor limit Switch	AH-8D-CS	11	Nos
93	Spring Charging Motor	AH-8D-CS	7	Nos
94	ACB Restoration kit -800A	AH-8D-CS	11	Nos
95	AIH Assembly	AH-8D-CS	11	Set
96	AIH Support	AH-8D-CS	11	Nos
97	Numerical Relay	7SJ66	9	Nos
98	ACB Restoration kit -3000A	AH-30D-CS	2	Nos
99	AIH Assembly	AH-30D-CS	2	Set
100	Position indication switch	AH-30D-CS	2	Nos
101	ACB Restoration kit -800A	AH-8D-CS	11	Nos
102	AIH Assembly	AH-8D-CS	11	Set
103	AIH Support	AH-8D-CS	11	Nos
104	Numerical Relay	7SJ66	9	Nos
105	ACB Restoration kit -3000A	AH-30D-CS	1	Nos
106	AIH Assembly	AH-30D-CS	1	Set
107	Position indication switch	AH-30D-CS	1	Nos
108	ACB Restoration kit -800A	AH-8D-CS	9	Nos
109	AIH Assembly	AH-8D-CS	10	Set
110	Position indication switch	AH-8D-CS	9	Nos
111	7NO/7NC Auxiliary switch	AH-8D-CS	1	Nos
112	Arcing Contacts (Set of 1 No. Fixed 1 No. Moving)	AH-8D-CS	3	Set
113	Main Moving Contacts Assembly	AH-8D-CS	3	Set
114	Complete Lower mechanism	AH-8D-CS	1	Nos
115	Motor limit Switch	AH-8D-CS	1	Nos
116	Closing coil limit switch	AH-8D-CS	1	Nos
117	Main Isolating Contacts (Jaw Contacts-2 Nos Per pole)	AH-8D-CS	3	Set
118	Complete Pole Assembly	AH-8D-CS	3	Nos
119	Numerical Relay	7SJ66	7	Nos
120	ACB Restoration kit-3000A	AH-30D-CS	1	Nos
121	AIH Assembly	AH-30D-CS	2	Set
122	Position indication switch	AH-30D-CS	2	Nos
123	Arc Chute	AH-30D-CS	3	Nos
124	Closing coil limit switch	AH-30D-CS	1	Nos
125	Motor limit switch	AH-30D-CS	1	Nos
126	Arcing Contacts (Set of 1 No. Fixed 1 No. Moving)	AH-30D-CS	3	Set
127	Closing Coil 220VDC	AH-30D-CS	1	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
128	Shunt Coil 220VDC	AH-30D-CS	1	
129	Complete Mechanism (Lower & Upper) (without side plate & conductor assembly)	AH-30D-CS	1	Nos
130	Complete Mechanism (Lower & Upper) (without side plate & conductor assembly)	AH-30D-CS	1	Nos
131	Complete Pole Assembly	AH-30D-CS	3	Set
132	Main Isolating Contacts (Jaw Contacts-2 Nos Per pole)	AH-30D-CS	3	Set
133	Main Moving Contacts Assembly	AH-30D-CS	3	Set
134	Motor Limit Switch	AH-30D-CS	1	Nos
135	7NO/7NC Auxiliary switch	AH-30D-CS	1	Nos
136	ACB hardware set	AH-30D-CS	1	Set
137	Position Indication Switch	AH-30D-CS	1	Nos
138	ACB Restoration kit -800A	AH-8D-CS	3	Nos
139	AIH Assembly	AH-8D-CS	7	Set
140	Position indication switch	AH-8D-CS	7	Nos
141	Arc Chute	AH-8D-CS	12	Nos
142	Closing coil limit switch	AH-8D-CS	4	Nos
143	Motor limit Switch	AH-8D-CS	4	Nos
144	Closing Coil 220VDC	AH-8D-CS	4	Nos
145	Tripping Coil 220VDC	AH-8D-CS	4	Nos
146	Complete Pole Assembly	AH-8D-CS	12	Set
147	Jaw Contact	AH-8D-CS	12	Set
148	Spring Charging Motor	AH-8D-CS	4	Nos
149	7NO/7NC Auxiliary switch	AH-8D-CS	4	Nos
150	ACB hardware set	AH-8D-CS	4	Set
151	ACB Safety Shutter	AH-8D-CS	4	Nos
152	Position Indication Switch	AH-8D-CS	7	Nos
153	Numerical Relay	7SJ66	5	Nos
154	ACB Restoration kit -3000A	AH-30D-CS	2	Nos
155	AIH Assembly	AH-30D-CS	2	Set
156	Position Indication switch	AH-30D-CS	2	Nos
157	ACB Restoration kit -800A	AH-8D-CS	11	Nos
158	AIH Assembly	AH-8D-CS	11	Set
159	Position Limit switch	AH-8D-CS	11	Nos
160	Safety Shutter	AH-8D-CS	4	Nos
161	Position Indication switch	AH-8D-CS	11	Nos
162	Numerical Relay	7SJ66	10	Nos
163	ACB Restoration kit -3000A	AH-30D-CS	2	Nos
164	AIH Assembly	AH-30D-CS	2	Set
165	Position Indication switch	AH-30D-CS	2	Nos
166	ACB Restoration kit -800A	AH-8D-CS	10	Nos
167	AIH Assembly	AH-8D-CS	10	Set
168	Position Indication switch	AH-8D-CS	10	Nos
169	Numerical Relay	7SJ66	10	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
170	Control Fuse Base Phase	Phase Fuse base	1050	Nos
171	Control Fuse Base Neutral	Neutral Fuse base	150	Nos
172	Control Fuse Link 6A	6A	600	Nos
173	Control Fuse Link 10A	10A	36	Nos
174	Control Fuse Link 16A	16A	330	Nos
175	Control Fuse Link 25A	25A	36	Nos
176	Switch fuse unit -32A	32A	10	Nos
177	Switch fuse unit -63A	63A	5	Nos
178	Aux contact for SFU- 32A - 63A	32A - 63A	15	Nos
179	Aux contact for SFU- 200A - 400A	200A - 400A	2	Nos
180	Overload Relay- 4.0-6.0A	4.0-6.0A	10	Nos
181	Mounting kit for overload Relay- 4.0-6.0A	For Relay- 4.0-6.0A	10	Nos
182	Indication Lamp- (RED)	V-110VAC	20	Nos
183	Indication Lamp- (GREEN)	V-110VAC	20	Nos
184	Indication Lamp- (BLUE)	V-110VAC	20	Nos
185	Indication Lamp- (RED)	V-220VDC	15	Nos
186	Indication Lamp- (GREEN)	V-220VDC	15	Nos
187	Coupling Relay with base	24V DC/Contact 10A at 110VAC	25	Set
188	Double Pole On/Off Switch	16 A,220 V DC	25	Nos
189	DP On/Off Switch for (Sh. Ckt), Motor Space heater	12A,240VAC	15	Nos
190	SP On/Off Switch for Socket	12A,240VAC	15	Nos
191	O/L Reset Actuator 10mm	CORD OPERATED-700MM LENGTH	20	Nos
192	Thermostat	30-110°C	25	Nos
193	3 Pin socket	INDUSTRIAL TYPE,	12	Nos
194	CT Shorting Link	2.5mm	120	Nos
195	Space heater	60 W,240 V AC	40	Nos
196	Module Clutch Wire	For module	35	Nos
197	Panel Door lock	Allen Type	850	Nos
198	Panel lock receiver	lock receiver	850	Nos
199	Panel back door Bolt	back door Bolt	350	Nos
200	M6 Cage nut	6mm	500	Nos
201	Control Busbar 6X6X900 With hardware	6X6X900	140	Set
202	Control bus fish plate 6X6X100 With hardware	6X6X100	140	Set
203	Control Busbar AL 6X6X800 With hardware	6X6X800	20	Set
204	Control bus fish plate 6X6X283 With hardware	6X6X283	40	Set
205	Module IDS- 125A With Control block	125A	10	Nos
206	Module IDS- 315A With Control block	315A	5	Nos
207	32 Pin male housing terminal block	32 PIN BLK	15	Nos
208	32 Pin female housing terminal block	32 PIN BLK	15	Nos
209	Screw with 2PW+1N 4X15mm	4X15mm	3000	Nos
210	ALTS Bolt 6x15mm	6x15mm	750	Nos
211	M6 nut	6mm	750	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
212	M6 washer	6mm	750	Nos
213	1.5sqmm U Type Lugs	1.5sqmm	1000	Nos
214	2.5sqmm U Type Lugs	2.5sqmm	200	Nos
215	2.5sqmm Pin Type Lugs	2.5sqmm	200	Nos
216	Rustolin		10	Nos
217	ACB Restoration kit-4000A	AH-40D-CS	3	Nos
218	7NO/7NC Aux Switch	AH-40D-CS	6	Nos
219	ACB hardware set	AH-40D-CS	5	Set
220	ACB Safety Shutter	AH-40D-CS	3	Nos
221	36 Way AIH Assambly set	AH-40D-CS	9	Set
222	MCR	AH-40D-CS	4	Nos
223	Arc Chute	AH-40D-CS	22	Nos
224	Closing limit switch	AH-40D-CS	3	Nos
225	Closing Coil 220VDC	AH-40D-CS	7	Nos
226	Jaw Contact	AH-40D-CS	18	Set
227	Motor limit switch	AH-40D-CS	5	Nos
228	Position Indication Switch	AH-40D-CS	8	Nos
229	Tripping Coil 220VDC	AH-40D-CS	7	Nos
230	Complete Pole Assembly	AH-40D-CS	18	Set
231	Spring Charging Motor	AH-40D-CS	5	Nos
232	Lower mechanism	AH-40D-CS	3	Nos
233	Key Lock (One lock + One key)	AH-40D-CS	10	Nos
234	ACB Restoration kit -3000A	AH-30D-CS	4	Nos
235	7NO/7NC Aux Switch	AH-30D-CS	1	Nos
236	ACB hardware set	AH-30D-CS	2	Set
237	36 Way AIH Assambly set	AH-30D-CS	4	Set
238	ARC Chute	AH-30D-CS	4	Nos
239	Closing Coil 220VDC	AH-30D-CS	2	Nos
240	Lower mechanism	AH-30D-CS	2	Nos
241	Complete Pole Assembly	AH-30D-CS	6	Set
242	Tripping Coil 220VDC	AH-30D-CS	2	Nos
243	Jaw Contact	AH-30D-CS	6	Set
244	MCR	AH-30D-CS	2	Nos
245	Spring Charging Motor	AH-30D-CS	2	Nos
246	Motor limit Switch	AH-30D-CS	2	Nos
247	Position Indication Switch	AH-30D-CS	2	Nos
248	Key Lock (One lock + One key)	AH-30D-CS	8	Nos
249	ACB Restoration kit -1000A	AH=10D-CS	1	Nos
250	ACB Restoration kit -1600A Fixed Type	AH -16DC-CS	4	Nos
251	ACB Restoration kit-800A	AH-8D-CS	5	Nos
252	7NO/7NC Aux Switch	AH-8D-CS	15	Nos
253	ACB hardware set	AH-8D-CS	5	Set
254	ACB Safety Shutter	AH-8D-CS	7	Nos
255	36 Way AIH Assambly set	AH-8D-CS	12	Set
256	Arc Chute	AH-8D-CS	24	Nos
257	Closing limit switch	AH-8D-CS	10	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
258	Closing Coil 220VDC	AH-8D-CS	8	Nos
259	Jaw Contact	AH-8D-CS	12	Set
260	Motor limit switch	AH-8D-CS	6	Nos
261	Position Indication Switch	AH-8D-CS	12	Nos
262	Tripping Coil 220VDC	AH-8D-CS	9	Nos
263	Complete Pole Assembly	AH-8D-CS	27	Set
264	MCR	AH-8D-CS	6	Nos
265	Spring Charging Motor	AH-8D-CS	2	Nos
266	Tripping Coil 220VDC	AH-8D-CS	2	Nos
267	Key Lock (One lock + One key)	AH-8D-CS	25	Nos
268	7NO/7NC Aux Switch	AH-8D-CS	28	
269	36 Way AIH Assambly set	AH-8D-CS	20	Set
270	36 Way AIH Assambly set	AH-30D-CS	5	Set
271	Closing Coil 220VDC	AH-8D-CS	25	Nos
272	Tripping Coil 220VDC	AH-8D-CS	25	Nos
273	Lower mechanism	AH-8D-CS	20	Nos
274	Lower mechanism	AH-30D-CS	10	Nos
275	ACB Sticker	AH-8D-CS	20	Nos
276	MCR	AH-8D-CS	25	Nos
277	Arc Chute	AH-8D-CS	40	Nos
278	Arc Chute	AH-30D-CS	6	Nos
279	Numerical Relay	7SJ66	6	Nos
280	Earth fault Relay	AUX. VOL.:220V DC, Setting:1-7mA With 2NO+1NC Contact	2	Nos
281	Over voltage relay	AUX. VOL.:220V DC, O/V setting:110% with 1NO+1 NC Contact	2	Nos
282	Under voltage relay	AUX.VOL.:240V AC,Nominal Voltage-220V DC U/V Setting:80%With1NO+2NC Contact	2	Nos
283	Voltmeter-DC	96 x 96mm2, SCALE-90deg, ANALOG, ACC. CL-1.0	2	Nos
284	Ammeter-DC	96 x 96mm2, SCALE-90deg, ANALOG, ACC. CL-1.0, MOVING IRON, FLUSH MTG.	2	Nos
285	Push Botton Switch	RCB2BA2	2	Nos
286	Complete MCCB- 400A	400A	2	Nos
287	Complete MCCB- 250A	250A	10	Nos
288	Complete MCCB- 125A	125A	3	Nos
289	Complete MCCB -160A	160A	11	Nos
290	Complete MCCB -100A	100A	18	Nos
291	MCCB Aux Contact	For 250A MCCB	14	Nos
292	MCCB Aux Contact	For 400A MCCB	11	Nos
293	Rotary Handle for MCCB-100A	For-100A MCCB	19	Nos
294	Rotary Handle for MCCB-160A	For-160A MCCB	10	Nos
295	Rotary Handle for MCCB-250A	For-250A MCCB	2	Nos
296	Rotary Handle for MCCB-400A	For-400A MCCB	7	Nos
297	Complete SFU-63A	63A	1	Nos
298	Complete SFU-125A	125A	20	Nos
299	Complete SFU-400A	400A	2	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
300	SFU Handal for 125A SFU	125A	5	Nos
301	SFU Handal for 400A SFU	400A	2	Nos
302	Aux contact for SFU- 32A - 63A	32A - 63A	15	Nos
303	Aux contact for SFU- 200A - 400A	200A - 400A	7	Nos
304	Power Contactor	16A	2	Nos
305	Power Contactor	32A	4	Nos
306	Power Contactor	63A	5	Nos
307	Power Contactor	225A	2	Nos
308	Power Contactor-225A	225A	2	Nos
309	Power Contactor- 265A	265A	2	Nos
310	AUX. CONTACT 2NO+2NC 240V AC	2NO+2NC	4	Nos
311	AUX. CONTACT 3NO+1NC 220V DC	3NO+1NC	4	Nos
312	Overload Relay 1.00-1.60	1.00-1.60	12	Nos
313	Overload Relay 18.0~25.0	18.0~25.0	13	Nos
314	Overload Relay 23.0~32.0	23.0~32.0	8	Nos
315	Overload Relay 28.0~40.0	28.0~40.0	9	Nos
316	Overload Relay 48.0~57.0	48.0~57.0	8	Nos
317	Overload Relay 66.0 to 80.0	66.0 to 80.0	6	Nos
318	Overload Relay 10.0~13.0	10.0~13.0	10	Nos
319	Overload Relay 13.0~18.0	13.0~18.0	14	Nos
320	Overload Relay 10.0-16.0	10.0-16.0	19	Nos
321	Overload Relay 100~160	100~160	4	Nos
322	Overload Relay 18~25A	18~25A	17	Nos
323	Overload Relay- 1.0-1.60	1.0-1.60	25	Nos
324	Mounting Kit for 10 to 13A	10 to 13A	25	Nos
325	Mounting Kit for 14 to 40A	14 to 40A	60	Nos
326	Mounting Kit for 41 to 66A	41 to 66A	25	Nos
327	Indication Lamp- (RED)	V-110VAC	8	Nos
328	Indication Lamp- ((GREEN)	V-110VAC	8	Nos
329	Indication Lamp- (BLUE)	V-110VAC	8	Nos
330	Indication Lamp- (RED)	V-220VDC	14	Nos
331	Indication Lamp- ((GREEN)	V-220VDC	14	Nos
332	Indication Lamp (RED)	240V AC	10	Nos
333	Indication Lamp (GREEN)	240V AC	10	Nos
334	Indication Lamp (AMBER)	240V AC	10	Nos
335	Control Fuse Base Phase	Phase Fuse base	566	Nos
336	Control Fuse Base Neutral	Neutral Fuse base	149	Nos
337	Control Fuse Link 6A	6A	424	Nos
338	Control Fuse Link 10A	10A	41	Nos
339	Control Fuse Link 16A	16A	111	Nos
340	Control Fuse Link 25A	25A	45	Nos
341	Power Fuse- 10A	10A	26	Nos
342	Power fuse- 6A	6A	18	Nos
343	Power fuse- 200A	200A	12	Nos
344	Power fuse- 10A	10A	16	Nos
345	Power fuse- 16A	16A	275	Nos
346	Power Fuse- 32A	32A	154	Nos

S.N.	Material Description	For Material Code/Model /Rating	Qty	UOM
347	Power Fuse- 63A	63A	30	Nos
348	Complete Module	0.75KW/523	2	Set
349	Complete Module	0.75KW/523	1	Set
350	Complete module	90KW/524/DK21	1	Set
351	Cu. Busbar Link-400A	For 400A Module	2	Set
352	Complete Busbar 2F of 220V Main DCDB #3FA	Horizontal & Vertical/ BHEL/J3700/516	1	Set
353	EFR with CBCT	For 400A Module	2	Nos
354	EFR with CBCT	For 250A Module	2	Nos
355	EFR with CBCT	CBCT- CBCT100/1	2	Nos
356	PT 415/110N Class-0.5	415/110N Class-0.5	4	Nos
357	MFM Meter for 37KW/ 528	37KW/ 528	1	Nos
358	Coupling relay with Base	24V DC/Contact 10A at 110VAC	64	Set
359	CT Shorting link	For CT Terminal	18	Nos
360	Selector switch 25A 4Pole	25A 4Pole	2	Nos
361	Selector switch 6A 4Pole	6A 4Pole	2	Nos
362	Control Switch 220VDC 10 amp	10A 220VDC	5	Nos
363	Double Pole On/Off Switch- 16 A,220 V DC	16 A,220 V DC	6	Nos
364	Single pole on/off switch for Motor space HTR	Space heater	12	Nos
365	Local Remote Switch		2	Nos
366	Reset wire	RSTC0004	189	Nos
367	Space heater	240V AC	20	Nos
368	Power Socket Industrial	MISC0856	5	Nos
369	Thermostat	240V AC	18	Nos
370	Clutch wire	For Module	48	Nos
371	Panel Door lock	Allen type	760	Nos
372	Panel lock receiver	lock receiver	290	Nos
373	Panel back door Bolt	back door Bolt	220	Nos
374	Control Busbar Cu. 6X6X900 with hardware	6X6X900	212	Set
375	Control bus fish plate 6X6X183 with hardware	6X6X183	112	Set
376	Control Busbar AL 6X6X800 with hardware	6X6X800	12	Set
377	Module IDS- 125A	IDS- 125A	10	Nos
378	Module IDS- 315A	IDS- 315A	8	Nos
379	Screw with 2PW+1N 4X15mm	4x15mm	750	Nos
380	ALTS Bolt 6x15mm	6x15mm	355	Nos
381	M6 nut	M6	890	Nos
382	M6 washer	M6	750	Nos
383	1.5sqmm U Type Lugs	1.5sqmm	1000	Nos
384	Cable Tie	100mm	2000	Nos
385	Cable Tie		1000	Nos
386	Rustolin		10	Nos

Restoration and repair service charge for ACB & Panel			
S. N.	Item Description	Qty.	UOM
1	Service charges for restoration/repair work of Breaker for ACC Unit#3	200	Man-day
2	Service charges for restoration/repair work of Panel Component for MPH at 14 Meter and 27 Meter	160	Man-day
3	Service charges for restoration/repair work of Panel Component for ETP and Workshop MCC	60	Man-day

2. Prices once quoted shall remain firm within the validity or any extension thereof for placement of order, till complete execution of the order, without any escalation/increase for any reason, whatsoever, unless specifically provided for in the Tender Enquiry & PO.
3. FREIGHT & INSURANCE Charges shall be in supplier's scope.
4. LODGING AND BOARDING & TRAVELLING CHARGES OF Service Engineers shall be in supplier's scope.
5. Supplier to quote as per the Price Bid Format only.
6. **Delivery Schedule:**
For supply part- 22 (TWENTY-TWO) Weeks from date of issue of the Purchase Order.
For restoration/repair part - within 15 Days from date of intimation from BHEL after receipt of items at site.
7. **Liquidated Damage (LD):**
For supply part- 0.5% of the corresponding PO item value (excluding elements of taxes, duties) for per week of delay or part thereof subject to maximum 10% of the total order value of PO item.

For restoration/repair part- If supplier fails to depute service engineer within 15 Days from date of intimation from BHEL after receipt of items at site, LD shall be charged @ 0.5% of the corresponding PO item value (excluding elements of taxes, duties) for per week of delay or part thereof subject to maximum 10% of the total order value of PO item.
 In case of absence of service engineer after starting work, payment shall not be done for the absence period of service engineer. Besides this penalty of 10% of per day charge shall be charged subject to a maximum of 10% of the total order value of PO item.
8. **Inspection:** Physical Inspection shall be done at BHEL Patratu site office by BHEL Engineer after receipt of material at site.
9. **Guarantee/ warranty period:** 18 Months from date of receipt of the material at 3*800MW PVUNL Patratu site or 12 months from date of commissioning, whichever is earlier.
10. **Payment Terms:** 100% PAYMENT WITHIN 30 DAYS FROM THE DATE OF RECEIPT OF MATERIAL AND SUBMISSION OF CLEAR AND ADMISSIBLE GST COMPLIANT INVOICE, SUBJECT TO ACCEPTANCE OF MATERIAL AT BHEL.

Applicable GST shall be released upon compliance of following:30

- i. Vendor declaring such Invoice in their GSTR-1

- ii. Confirmation of payment of GST thereon by vendor by submitting acknowledgement/copy of GSTR-3

11. Items unloading is in the scope of BHEL Patratu Site.

12. Bidder should have to submit all the sheets of this enquiry duly filled and signed along with technical bid as token of acceptance of terms and conditions.

13. Documents to be submitted along with offer:

- a) Copy of PAN & GST
- b) Bank Details
- c) No Deviation Certificate
- d) Offer Forwarding Letter
- e) UDYAM REGISTRATION CERTIFICATE
- f) INTEGRITY PACT

14. BHEL reserves the right to cancel the Tender wholly or partly without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter (except for the refund of EMD).

15. Road permits, Octroi, GST and Declaration Forms etc. required for deployment of the crane at the destination sites shall be arranged by the bidder and necessary registration and/or permission as may be applicable in the respective states shall duly be complied with by the bidder. Quoted price/rates shall be inclusive of above. BHEL will neither issue any Road Permit /GST declaration forms for this purpose nor pay any taxes in this regard.

16. TAXES, DUTIES & LEVIES

1. All taxes excluding GST, GST Cess & BOCW Cess **but including, Royalties, fees, license, deposits, commission, any State or Central Levy and other charges whatsoever, if any, shall be borne by you and shall not be payable extra.**
2. Any increase of the taxes excluding GST, GST Cess & BOCW Cess, at any stage during execution including extension of the contract shall have to be borne by the contractor. Quoted/ accepted rates/ price shall be inclusive of all such requirements. Please note that since GST on output will be paid by BHEL separately as enumerated below, your quoted rates/ price should be after considering the Input Credit under GST law at your end.
3. **GST** :
The successful bidder shall furnish proof of GST registration .GST along with Cess (as applicable) legally leviable & payable by the successful bidder as per GST Law, shall be paid by BHEL. Hence Bidder shall not include GST along with Cess (as applicable) in their quoted price.
4. GST charged in the Tax Invoice/Debit note by the contractor shall be released separately to the contractor only after contractor files the outward supply details in GSTR-1 on GSTN portal and input tax credit of such invoice is matched with corresponding details of outward supply of the contractor and has paid the GST at the time of filing the monthly return
5. E-invoicing under GST has been implemented with effect from 1st October 2020 for all the taxable persons having turnover more than the threshold limit in any preceding financial year from 2017-18 onwards. Therefore, for all the taxable persons falling under the purview of E-invoice, it is mandatory to mention a valid unique Invoice Reference No. (IRN) and QR code as generated from E-Invoicing portal of the Government for the purpose of issuing a valid Tax Invoice. Only an E-invoice issued in the