KUTCHH ISLANDING SCHEME BOQ

Sr.No	ITEM DESCRIPTION	QTY	Spare	Total
1	UFR	10	10	20Nos
2	**66KV Sub-Station**			
2.1	RTU or Equivivalent device	23	5	28
2.2	MFM 66kv ss	25	5	30
2.3	GSM Modem with SIM Card in 66KV SS	23	5	28
2.4	8 port switch/router	23	5	28
2.5	DI Card	23	5	28
2.6	DO Card	23	5	28
2.7	PT FUSE	92	19	111
2.8	66KV PANEL	23	5	28
3	**220KV sub-station**			
3.1	MFM for 66KV Feeder	30	6	36
3.2	RTU	4	1	5
3.3	AI Card	1	1	2
3.4	DI Card	33	7	40
3.5	DO Card	33	7	40
3.6	MFM for 220KV Lines	40	10	50
3.7	CMR Relay	190	40	230
3.8	CABLE For CMR Relay Integration	600	200	800Mtr
3.9	Cable for MFM integration work	14400	600	15000Mtr
3.1	Control cable for UFR	4 CORE - 168mtr	232Mtr	400Mtr
3.11	Control cable for UFR	2 Core- 519Mtr.	281Mtr	800Mtr
3.12	0.5SQMM Shielded Cable for DI/DO Wiring	500Mtr	500Mtr	1000Mtr
3.13	12Core 1.5sqmm armoured Control cable for DI/ DO wiring - From SIC Panel to C&R Panel	3240Mtr		3240Mtr
3.14	Workstation win 10 pro/Intel 17/32 G	2	1	3
3.15	Printer	2	1	3
3.16	LDMS Software	4	1	5

4	Communication link between Tappar to Nanikhakhar ,Jamnagar to Naghedi	2	0	2
5	Cyber Security Component	4	1	5
6	L3 Switch at Sub-station	1	1	2
7	L2 Switch at Sub-station	4	2	6
7.1	L3 Switch at Control Centre	1	1	2
8	Auxillary Relay	150	30	180
9	RJ45 LAN Cable	500Mtr	300Mtr	800Mtr
10	Annunciator	5	1	6
11	GPS	1	1	2
12	Earthing Cable for RTU and UFR panel	200Mtr		
13	PT Fuse			
14	DC Failure relay	04Nos		
15	220V MASTER PANEL	1	0	1
16	220KV SIC PANE	4	0	4
17	220KV SLAVE PANEL	3	0	3

Notes :- BOQ of cable is prepared based on the assumpation that 02Nos of RTU Panel will be installed in PLCC Room. It is required to confirm the same. If the space is not available in PLCC Room then, other location shall be specificed along with maximum cable length (For 12 Core control cable 1.5sqmm between RTU PANEL AND C&R PANEL) for devices integration work.