JAMNAGAR ISLANDING SCHEME BOQ

Sr.No	Item Description	QTY	Spare requirement	Total QTY
1	UFR	6	6	12
2	**66KV Sub-Statin**			
2.1	RTU or Equivivalent device	13	3	16
2.2	MFM in 66kv ss	22	5	27
2.3	GSM Modem	13	3	16
2.4	8 Port Switch	13	3	16
2.5	DI Card	13	3	16
2.6	DO Card	13	3	16
2.7	PT FUSE	52	10	62
2.8	66KV PANEL	13	3	16
3	**220KV sub-station**			
3.1	MFM for 66KV Feeder	30	6	36
3.2	220 & 132KV RTU	5	2	7
3.3	AI Card	1	1	2
3.4	DI Card	23	5	28
3.5	DO Card	23	5	28
3.6	MFM FOR 220KV LINES	54	11	65
3.7	CMR RELAY	150	50	200
3.8	CABLE For CMR Relay Integration	800	200	1000Mtr
3.9	Cable for MFM integration work	14400	600	15000Mtr
3.1	Control cable for UFR Wiring	620Meter	180Mtr	800Mtr
3.11	Control cable for UFR Wiring	230Meter	220Mtr	500Mtr
3.12	0.5SQMM Shielded Cable for DI/DO Wiring	300Mtr	50Mtr	350Mtr

3.13	12Core 1.5sqmm armoured Control cable for DI/ DO wiring - From SIC Panel to C&R Panel	3300Mtr		3300Mtr
3.14	Workstationwin 10 pro/Intel 17/32 GB RAM/ 1 TB SSD	2	1	3
3.15	Printer	2	1	3
3.16	LDMS Software	5	1	6
4	Cyber Security Component	5	1	6
5	L3 Switch at Sub-station	1	1	2
6	L2 Switch at Sub-station	5	2	7
6.1	L3 Switch at Control Centre	1	1	2
7	Auxillary Relay	120	40	160
8	RJ45 LAN Cable	300Mtr	300Mtr	600MTR
9	GPS	1	1	2
10	Annunciator	5	1	6
11	Earthing Cable for RTU and UFR panel	200Mtr		
12	PT Fuse	40	10	50
13	DC Failure relay	04Nos	2	6
14	220V MASTER PANEL	1	0	1
15	220KV SIC PANE	5	0	5
16	220KV SLAVE PANEL	4	0	4
	Sikka 220 and Sikka 132KV Connection			
16.1	FODB 48 Pair	2	1	3
16.2	LIU	2	1	3
16.3	FO Switch	4	2	6