Sr	Type of Electrical Protection	Requirement		
		Upto 1000kVA	Above 1000kVA	Synch. Panel
1	27- Under voltage Protection	Yes	Yes	Yes
2	32-Overload Protection	Yes	Yes	Yes
3	40-Loss of Field Protection	Yes	Yes	Yes
4	59-Over voltage Protection	Yes	Yes	Yes
5	81-Underfrequency Protection	Yes	Yes	Yes
6	81 -(O)- Over frequency Protection	Yes	Yes	Yes
7	57- Phase fualt Protection	Yes	Yes	Yes
8	64 (R)- Restricted earth fault Protection	No	Yes	Yes
9	50 & 51 Stator ground over current Protection	Yes	Yes	Yes
10	54 N Ground Overvoltage Protection	Yes	Yes	Yes
11	87 N Generator Ground Differential Protection	Yes	Yes	Yes
12	87 G Generator Phase differential Protection	Yes	Yes	Yes
13	51 N- Earth Fault Relay Protection	Yes	Yes	Yes
14	25 Sync check and Protection			Yes
15	Fail to synchronous Protection			Yes
	AMF Panel breaker			
	Breaker (MCCB upto 630A and ACB above 630A)	YES	YES	
	LSIG	YES	YES	