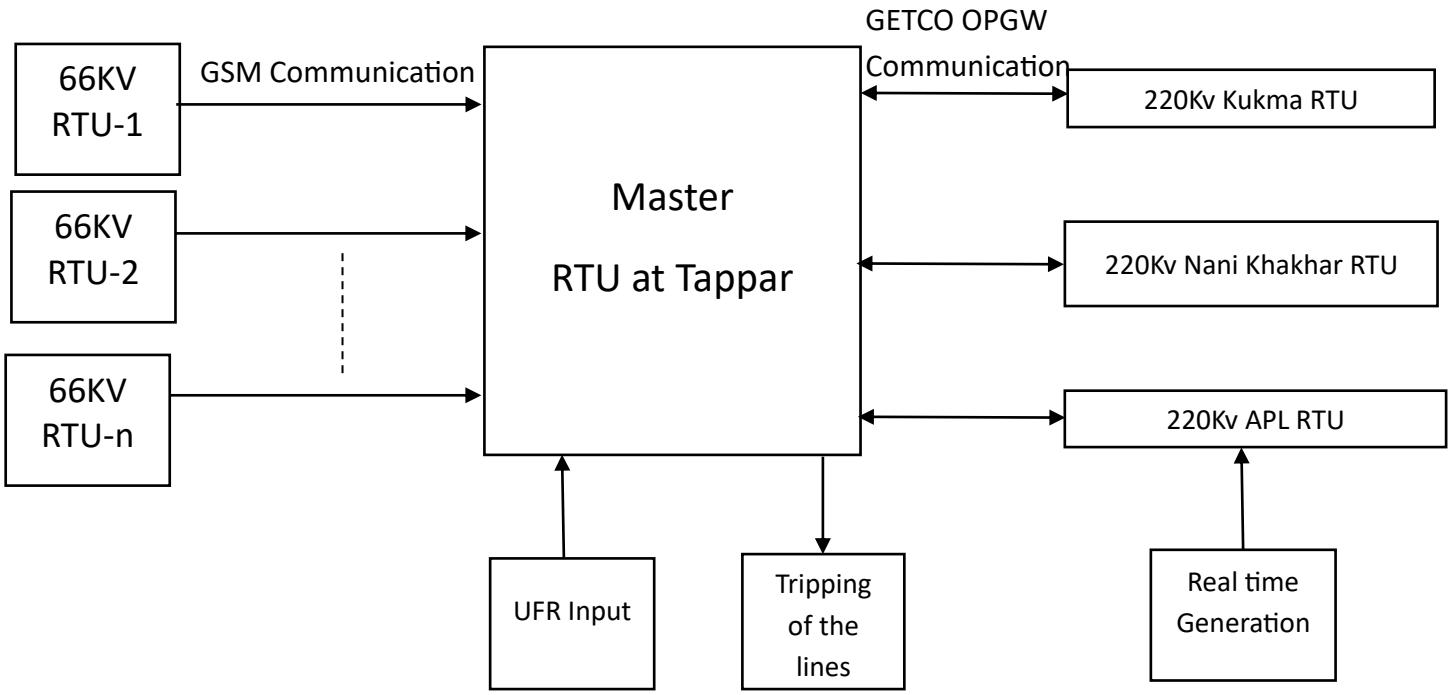
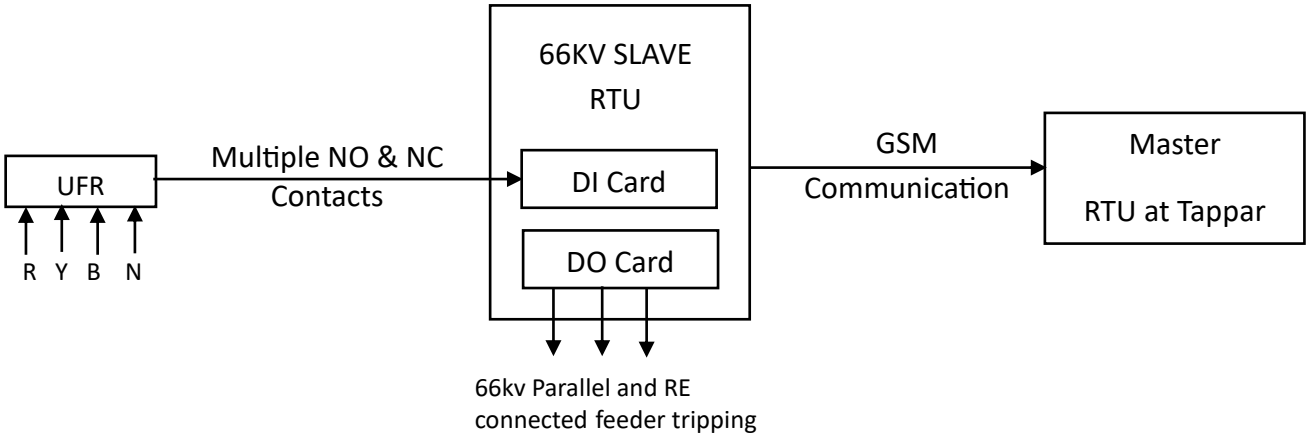
Data Communication Architecture of APL Islanding Scheme

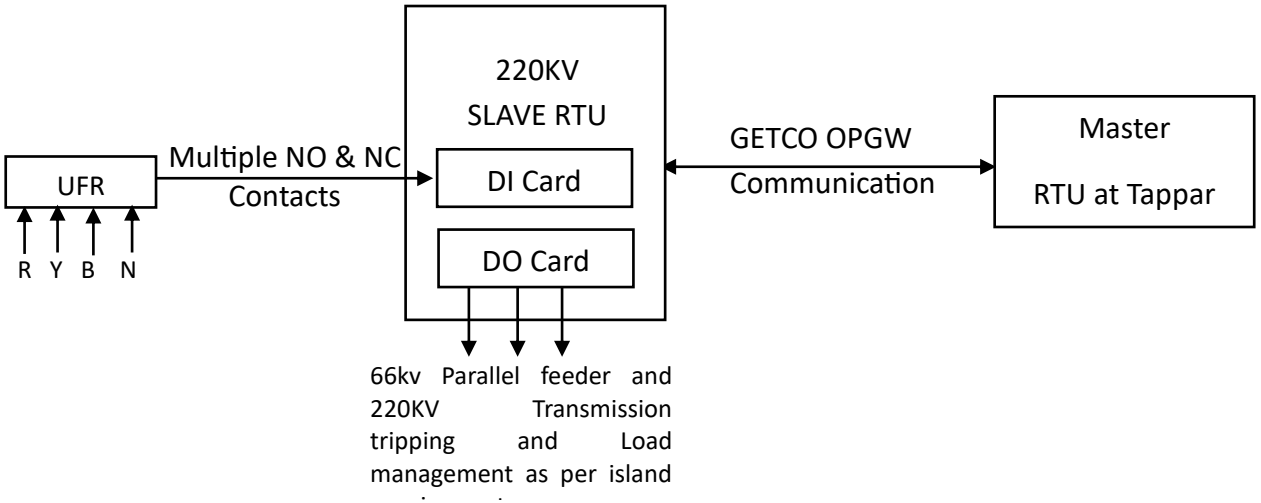


1	Opening of all 220 kV lines at Tappar except 220 kV D/C APL - Tappar and 220 kV S/C Tappar - Kukma line i.e. opening of following lines 1. 220 kV D/C Tappar - Vondh line 2. 220 kV D/C Tappar - Varsana 3. 220 kV S/C Tappar - Shivlakha 4. 220 kV S/C Tappar - PS3 5. 220 kV Tappar - Mokha	Action at 48.40 Hz and if at least one unit of APL on bar
2	Load – Generation balance (Comparison of Analog I/P of APL 1 & 2 and 66 kV feeders load) balancing action of excess load curtailment (66 kV feeder tripping)	At 47.80 Hz

66kV Network Architecture

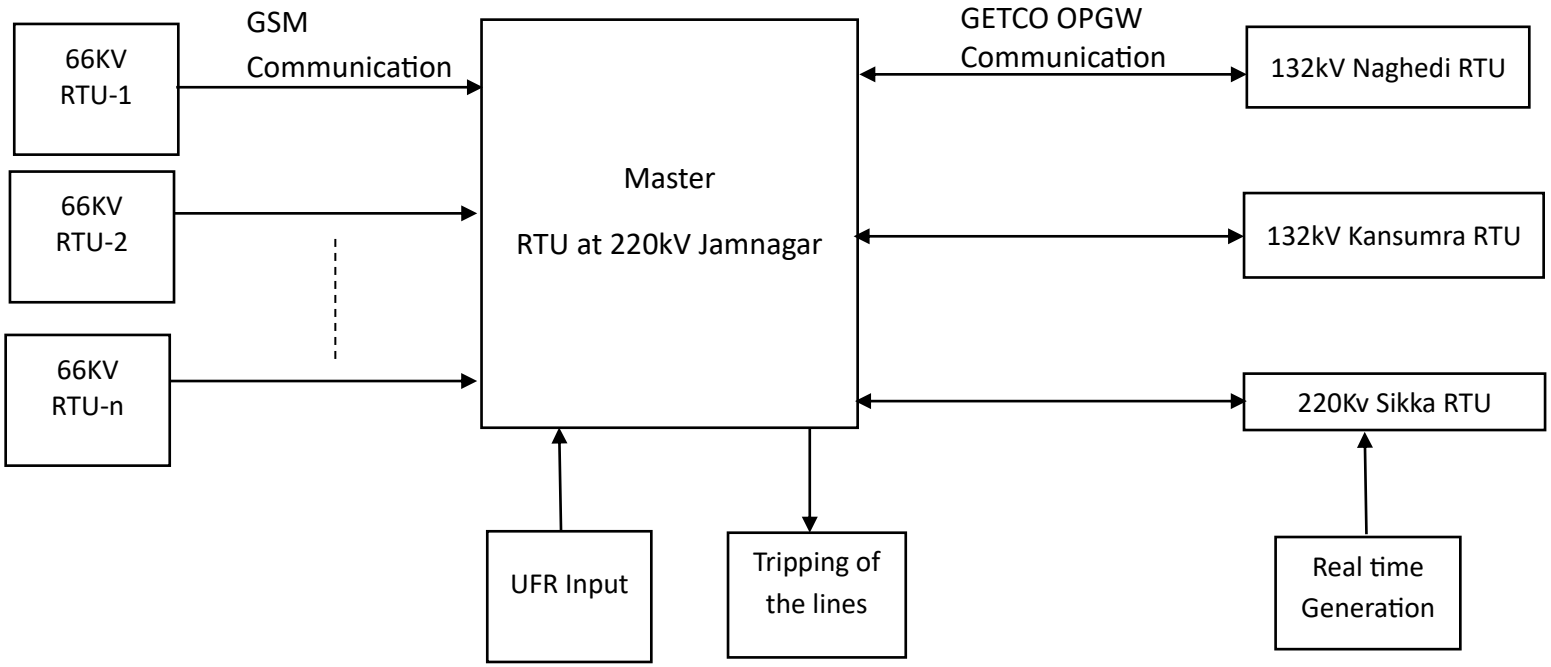


1	66 KV RE feeder curtailment	Action at 48.60 Hz
2	66 KV Parallel feeder tripping	Action at 48.40 Hz



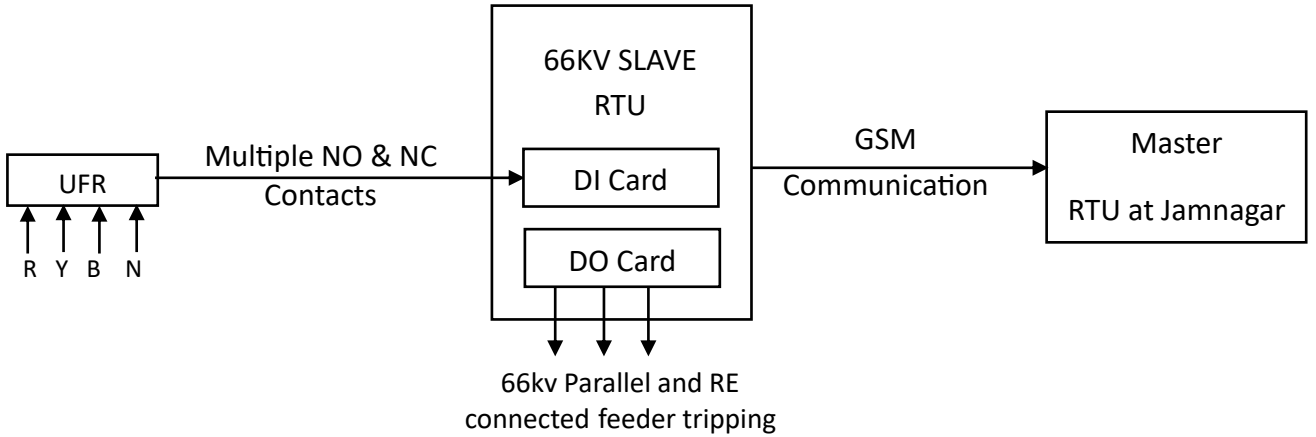
1	Opening of all 220 kV lines at Nanikhakhar except 220 kV D/C APL - Nanikhakhar and 220 kV S/C Nanikhakhar – Kukma i.e. opening of 1. 220 kV D/C Nanikhakhar - Sidhodi 2. 220 kV D/C Nanikhakhar - Nakhatrana 3. 220 kV D/C Nanikhakhar - Suthari 4. 220 kV Nanikhakhar - Mokha line 5. 220 KV D/C KLTPS - Kukma	Action at 48.20 Hz
2	Opening of 1. 220 KV Bus sectionalizers at APL 2. Tripping of FGD-1 at APL 220 kV D/C Kukma - Anjar line	Action at 48.00 Hz and if at least one unit of APL on bar

Data Communication Architecture of Sikka Islanding Scheme



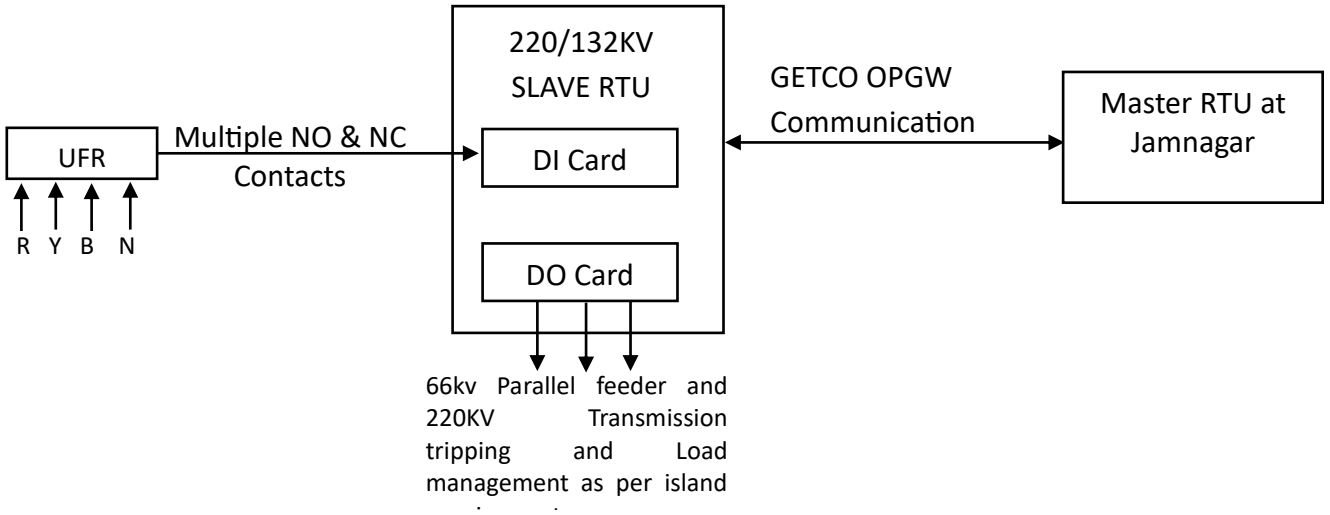
1	Opening of 1. 220 kV D/C Hadala - Jamnagar line 2. 132 kV S/C Jamnagar - Dhrol 3. 132 kV S/C Jamnagar - Tankara	Action at 48.40 Hz and if at least one unit of STPS on bar
2	Opening of 220 kV Jetpur – Jamnagar	Action at 48.20 Hz
3	Load – Generation balance (Comparison of Analog I/P of STPS 3 & 4 and 66 kV feeders load) balancing action of excess load curtailment	Action at 47.80 Hz
4	132 kV Jamnagar - Khambhalia line	Action at 48.00 Hz and if at least one unit of STPS on bar (Creation of island)

66kV Network Architecture



1	66 KV RE feeder curtailment	Action at 48.60 Hz
2	66 KV Parallel feeder tripping	Action at 48.40 Hz

220/132kV Slave Network



1	Opening of 132KV D/C Bhatia-Kansumra	Action at 48.40 Hz
2	Opening of 220 kV Jetpur – Jamnagar and 220 kV S/C Sikka - Jetpur	Action at 48.20 Hz
3	1. 220 kV D/C Sikka - Motipaneli line 2. 132 kV D/C Sikka - Bhatia line	Action at 48.00 Hz and if at least one unit of STPS on bar (Creation of island)