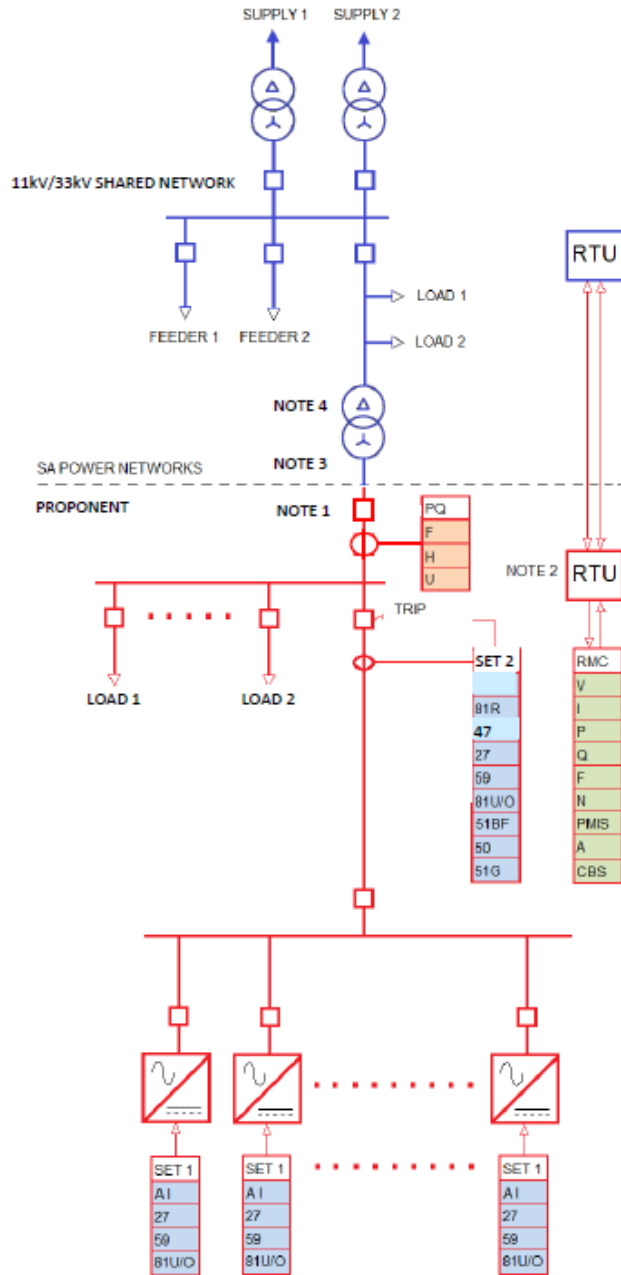


Above 200kW and <5MW Connected IES Gen-System, with > 200kW Export

IMPORTANT
 THE CONTROL AND PROTECTION ARRANGEMENTS SHOWN IN THIS DRAWING WILL CHANGE DEPENDING ON
 THE NETWORK CONNECTION LOCATION AND PROXIMITY OF OTHER GENERATION CAPACITY
 THE WORDING IN GUIDE IS TO BE REFERENCED FOR DETAILS



SET 1 & SET 2 PROTECTION	
AI	ANTI ISLANDING
81R	RATE OF CHANGE OF FREQUENCY
47	VOLTAGE UNBALANCE
27	UNDER VOLTAGE
59	OVER VOLTAGE
81U/O	UNDER OVER FREQUENCY
51BF	CIRCUIT BREAKER FAIL (HV ONLY)
50	OVER CURRENT
51G	EARTH FAULT

REMOTE MONITORING AND CONTROL	
V	VOLTAGE
I	CURRENT
P	KW
Q	KVAR
PF	POWER FACTOR CONTROL
F	FAULT
N	NUMBER OF UNITS ON LINE
PMIS	PERMISSION GRANTED / DENIED
A	ALARMS
GDL	GENERATION DISPATCH LIMITER (FUTURE)
CBS	CIRCUIT BREAKER STATUS

POWER QUALITY MEASUREMENT	
F	FLICKER Pst AND Pit
H	HARMONICS
U	VOLTAGE UNBALANCE

- NOTES**
- NON-REAL TIME DATA. TO BE PROVIDED IN A FORMAT TO SUIT SA POWER NETWORKS ONCE A DAY (REFER TO GUIDE).
 - PROPONENT TO PROVIDE RTU INTERFACE FACILITIES TO SA POWER NETWORKS' STANDARD.
 - FOR HV CONNECTIONS, THE CONNECTION POINT MAY BE A SA POWER NETWORKS' 11kV/33kV SWITCHING CUBICLE OR LOAD SWITCH.
 - FOR A HV CONNECTION, THE PROPONENT WOULD OWN THE 11/0.4KV TRANSFORMER.