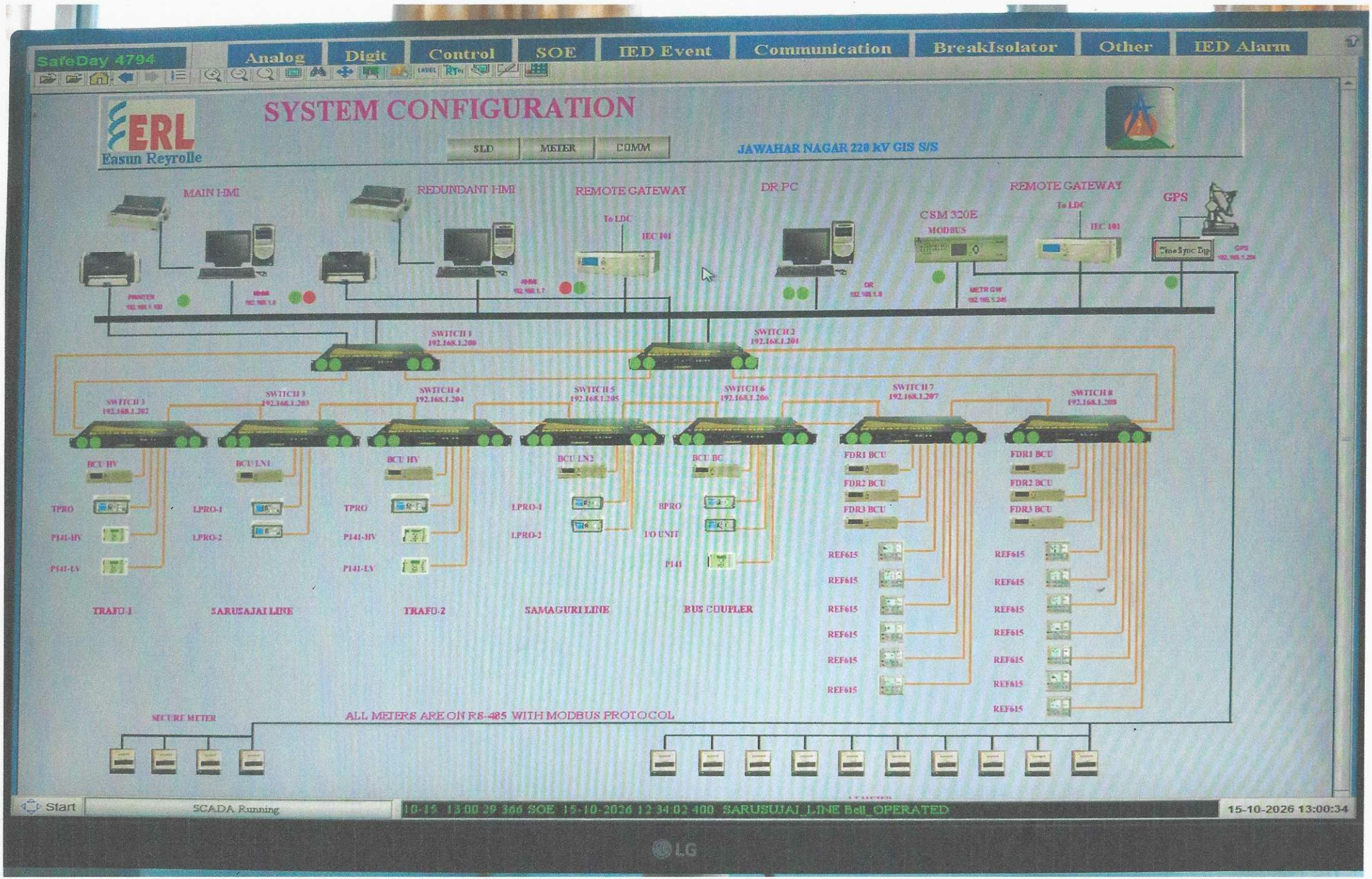
Existing Bay Details of 220 kV GIS, Jawaharnagar

Existing SCADA Details (Make): ERL

Sl. No.	*Name of Bay*	*Voltage Level*	*BCU Details*		*Relay Details*		*Remarks*
			Make	*Model*	*Make*	*Model*	
1	Samaguri Line	220 kV	Sifang	CSI-200E	ERL	L-PRO 4000-4U-1A-250-0-1-50-4N	Single Feeder BCU
2	Sarusajai Line	220 kV	Sifang	CSI-200E	ERL	L-PRO 4000-4U-1A-250-0-1-50-4N	Single Feeder BCU
3	50 MVA, 220/33 kV Transformer No. 01 (HV side)	220 kV	Sifang	CSI-200E	ERL	T-PRO 4000-4U-1A-250-0-1-0-50-4NL	Single Feeder BCU
4	50 MVA, 220/33 kV Transformer No. 02 (HV side)	220 kV	Sifang	CSI-200E	ERL	T-PRO 4000-4U-1A-250-0-1-0-50-4NL	Single Feeder BCU
5	Bus Coupler	220 kV	Sifang	CSI-200E	ERL	B-PRO 4000-3U-1A-250-0-1-50-3N	Single Feeder BCU
6	Jawaharnagar Feeder	33 kV	Sifang	CSI-200E	ABB	SPAJ 140 C	Dual Feeder BCU
7	Garbhanga Feeder	33 kV	Sifang	CSI-200E	ABB	SPAJ 140 C	
8	Indian Hotel Feeder	33 kV	Sifang	CSI-200E	ABB	REF615	Dual Feeder BCU
9	Housefed Feeder	33 kV	Sifang	CSI-200E	ABB	REF615	
10	Sonapur Feeder	33 kV	Sifang	CSI-200E	ABB	SPAJ 140 C	Dual Feeder BCU
11	12th Mile Feeder	33 kV	Sifang	CSI-200E	ABB	SPAJ 140 C	
12	Bus Coupler	33 kV	Sifang	CSI-200E	ABB	REF615	Dual Feeder BCU
13	Spare Feeder	33 kV	Sifang	CSI-200E	Not available		Dual Feeder BCU
14	50 MVA, 220/33 kV Transformer No. 01 (LV side)	33 kV	Sifang	CSI-200E	ABB	REF615	Dual Feeder BCU
15	50 MVA, 220/33 kV Transformer No. 02 (LV side)	33 kV	Sifang	CSI-200E	ABB	REF615	Dual Feeder BCU
16	Station Transformer	33 kV			ABB	REF615	


SafeDay 4794
Analog
Digit
Control
SOE
IED Event
Communication
BreakIsolator
Other
IED Alarm
SYSTEM CONFIGURATION
ERL
Easun Reyrolle
SLD
METER
COMM
JAWAHAR NAGAR 220 kV GIS S/S
MAIN HMI
REDUNDANT HMI
REMOTE GATEWAY
To LDC
IEC 101
DR PC
CSM 320E
MODBUS
REMOTE GATEWAY
To LDC
IEC 101
GPS
SWITCH 1
192.168.1.200
SWITCH 2
192.168.1.201
SWITCH 3
192.168.1.202
SWITCH 3
192.168.1.203
SWITCH 4
192.168.1.204
SWITCH 5
192.168.1.205
SWITCH 6
192.168.1.206
SWITCH 7
192.168.1.207
SWITCH 8
192.168.1.208
BCU HV
TPRO
P141-HV
P141-LV
TRAFO-1
BCU LN1
LPRO-1
LPRO-2
SARUSAJAI LINE
BCU HV
TPRO
P141-HV
P141-LV
TRAFO-2
BCU LN2
LPRO-1
LPRO-2
SAMAGURI LINE
BCU BC
BPRO
LO UNIT
P141
BUS COUPLER
FDR1 BCU
FDR2 BCU
FDR3 BCU
REF615
REF615
REF615
REF615
REF615
REF615
FDR1 BCU
FDR2 BCU
FDR3 BCU
REF615
REF615
REF615
REF615
REF615
REF615
REF615
SECURE METER
ALL METERS ARE ON RS-485 WITH MODBUS PROTOCOL
Start
SCADA Running
10-15 13:00:29.366 SOE 15-10-2026 12:34:02.400 SARUSUJAI_LINE Bell_OPERATED
15-10-2026 13:00:34