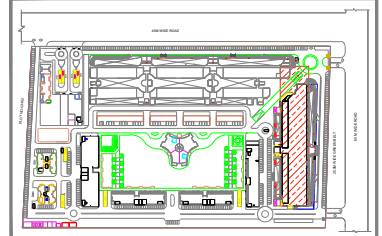
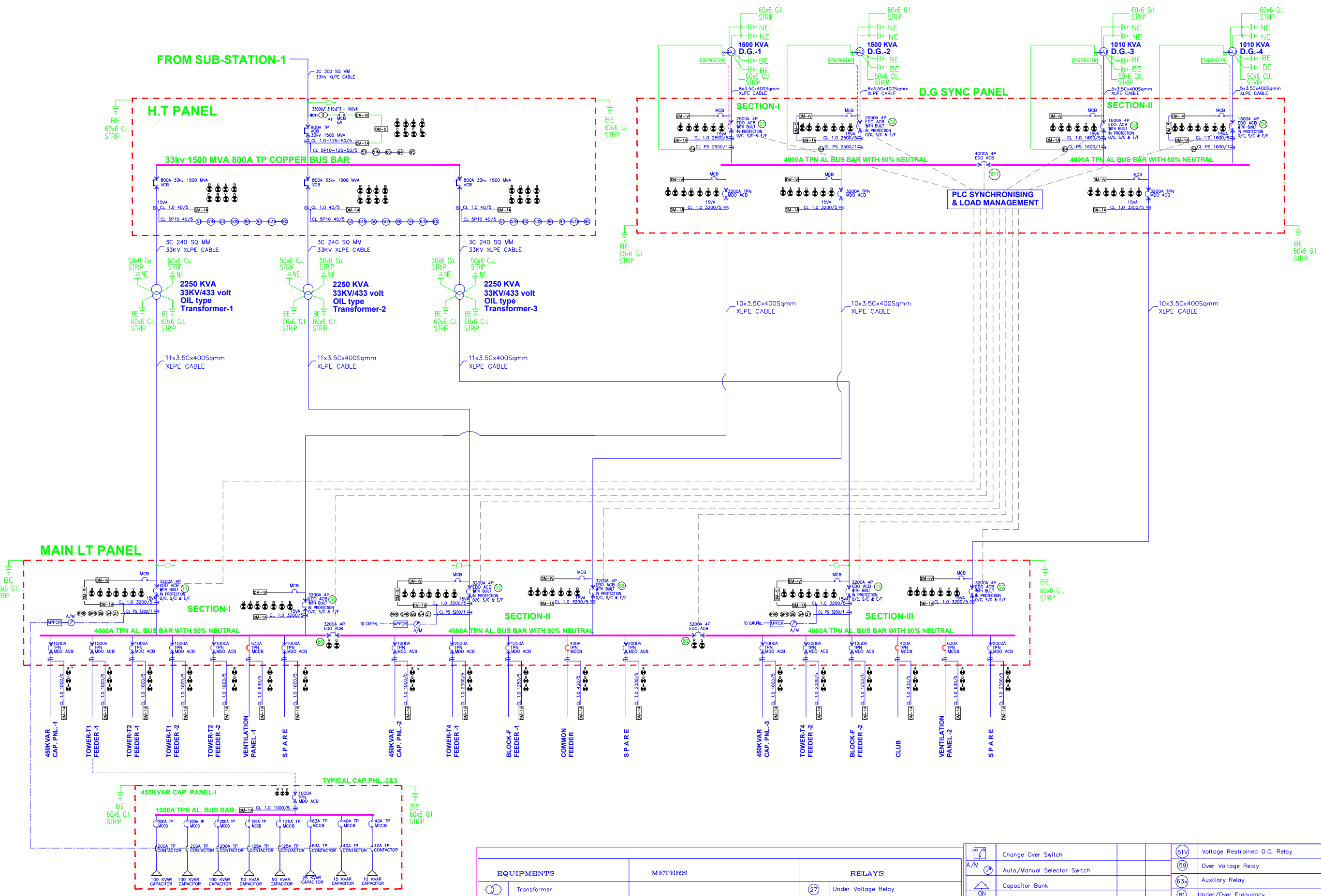


GENERAL NOTES

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
- ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DO NOT MEASURE THE DRAWING.
- ALL DRAWINGS ARE TO BE SIMULTANEOUSLY READ ALONG WITH RELEVANT SERVICES & CONSTRUCTION DRAWINGS, WHEREVER APPLICABLE.
- ALL MATERIAL FINISHES ARE TO BE EXPRESSED BY APPROVED BY THE ARCHITECT &/OR THE RELEVANT CONSULTANTS.



KEY PLAN



ELECTRICAL PANEL INTERLOCKING-SUBSTATION -2 (PHASE-2)

S.No.	DESCRIPTION	SYNCHRONISING												
		TR-1	TR-2	TR-3	SYN-1	SYN-2	SYN-3	B/C-1	B/C-2	DG-1	DG-2	DG-3	DG-4	B/C-11
		T1	T2	T3	S1	S2	S3	B1	B1	D1	D3	D4	D6	BS3
1	MAINS HEALTHY ALL TRANSFORMERS ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	MAINS FAILS - OPTION -1 (2 NOS DG SETS ARE SYNCHRONISED ON EACH SECTION)	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	BOTH DG SETS START AND	BOTH DG SETS START AND		OFF	
3	MAINS FAILS - OPTION -2 (ALL DG SETS SYNCHRONISED ON COMMON BUS)	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	ALL 4 DG SETS START AND SYNCHRONISED			ON	
4	MAINS RESTORE	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

EQUIPMENTS	METERS	RELAYS
Transformer	DM-1V Voltmeter	(27) Under Voltage Relay
Diesel Generating Set	DM-1A Ammeter	(32) Reverse Power Relay
Automatic Voltage Stabilizer	DM-1F Frequency	(46) Current Unbalance Relay
Ups With Battery	DM-2 Single Source Energy Meter	(47) Reverse Phase Voltage
Draw Out Circuit Breaker /acb	DM-2A Single Source Energy Meter With BMS Compatibility	(49) Thermal Over Load Relay
Draw Out Circuit Breaker /VCB	DM-2B Dual Source Energy Meter With BMS Compatibility	(50) High Set Instantaneous Over Current Protective Device
Current Transformer	DM-3A Dual Source Energy Meter Tariff Application -Post Paid With BMS	(50N) High Set Instantaneous Earth Fault Protective Device
Non-Draw Out Circuit Breaker (MCB)	DM-3B Dual Source Energy Meter Tariff Application -Pre Paid With BMS	(50V) Voltage Restrained High set Relay
Moulded Case Circuit Breaker (MCCB)	DM4 Multimeter-Voltage-Phase,Neutral,Ammeter-Phases,Frequency,Power Factor-Phases	(51) Over Current Protective Device
Contactor	DM-5 Multimeter-Voltage-Phases,Neutral,Ammeter-Phases,Frequency,Power Factor-Phases,Watts-Phases,VA-Phases,VAR-Phases,WH,VAH,VARH	(51N) Directional Over Current Relay
Switch Fuse Unit		(51N) Earth Fault Protective Device
Switch Isolator Unit		(51N) Directional Earth Fault Relay
Hrc Fuse		
Potential Circuit Mcb		

(51V) Voltage Restrained O.C. Relay
(59) Over Voltage Relay
(63X) Auxiliary Relay
(81) Under/Over Frequency
(86) Master Trip Relay
(87) Differential Protection Relay
(94) Anti Pumping Relay
(MFCR) Automatic Power Factor Correction Relay
(SPR) Single Phase Relay
(PRR) Voltage Monitor Relay With Phase Sequence
(64) Restricted Earth Fault Relay
(95) Supervision Relay

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GOLDEN I OCEAN INFRAHEIGHTS
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SEAL	ISSUED FOR
	INFORMATION & REVIEW <input type="checkbox"/>
	SUBMISSION <input type="checkbox"/>
	CONSTRUCTION DRAWING <input type="checkbox"/>
	TENDER <input type="checkbox"/>
	GFC <input type="checkbox"/>
	AS BUILT <input type="checkbox"/>

REVISIONS	
#	DESCRIPTION

SCALE: N.T.S @ A1
 DATE ISSUED: 10/06/2021
 DRAWN BY: NEGI
 CHECKED BY: AR

ELECTRICAL
SINGLE LINE DIAGRAM
COMMERCIAL (PHASE-II)
 DWG NO: EL/PC/G-1/SLD/102