

CENTRAL CONTROL ROOM (COMMON FOR UNIT #1&2)

S.No.	DESCRIPTION	QTY./UNIT	CAN FOR U#1&2	DIMENSION (mm)	SCOPE	REMARKS
1.	LARGE VIDEO SCREEN (67")	05	03	1625x1000x2419	BHEL-EDN	
2.	CONTROL DESK	07	--	REFER EDN DRG NO. 3659440315	BHEL-EDN	
3.	UNIT CONTROL PANEL	--	04	1352x1000x2355	BHEL-EDN	
4.	ELECTRICAL CONTROL PANEL	01	--	2000x1000x2355	BHEL-EDN	
5.	INERT GAS PANEL	01	--	650x400x1500	BHEL-PESD	
6.	MAIN FIRE ALARM PANEL	01	--	445x225x600	BHEL-PESD	
7.	MAIN FIRE ALARM PC & PRINTER	01	--	1500x750x735	BHEL-PESD	

* PROPOSED PARTITIONS FOR INERT GAS SYSTEM
* PARTITIONS SHALL BE PERFECT PARTITIONS I.E., FROM FINISHED FLOOR LEVEL TO TRUE CEILING.

ROOM (UNIT WISE)

OPTION	QTY./UNIT	CAN FOR U#1&2	DIMENSION (mm)	SCOPE	REMARKS
TY SERVER (EAS)	01	--	1500x750x735	BHEL-EDN	
TY CLIENT (EAC)	01	--	1500x750x735	BHEL-EDN	
01/(COMMON FOR ALL 4 UNITS)	--	--	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
24. INFO SERVER	--	--	--	--	
25. --	--	--	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
26. OPC PC	--	01	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
27. PERFORMANCE CALCULATION PC	01	--	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
28. MIS CLIENT STATION	--	01	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
28a. MIS CLIENT STATION PRINTER	--	01	900x600x140	BHEL-EDN	PLACED IN UNIT #1
29. STATION LAN SERVER	01	--	1500x750x735	BHEL-EDN	
30. PADO OWS	--	03	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
31. PADO OPTIMIZATION SERVER	--	01	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
32. PADO I/F PCI	--	01	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
33. LASERJET PRINTER (A3, COLOR)	6	--	900x600x140	BHEL-EDN	PLACED IN UNIT #1
34. PADO PRINTER	--	01	900x600x140	BHEL-EDN	PLACED IN UNIT #1
35. SAS PC	--	01	1500x750x735	BHEL-EDN	PLACED IN UNIT #1
36. VMS SERVER PC	01	--	1500x750x735	BHEL-EDN	
37. VMS CLIENT PC	01	--	1500x750x735	BHEL-EDN	
38. VMS LASERJET PRINTER (A3 SIZE)	01	--	900x600x140	BHEL-EDN	

CONTROL EQUIPMENT ROOM (UNIT WISE)

S.No.	DESCRIPTION	QTY./UNIT	CAN FOR U#1&2	DIMENSION (mm)	SCOPE	REMARKS
41.	SG C&I PANELS (CJF01-07, CJF23-CJF28, CJF34-38, CJF75, CAF20-25)	25	08	800x800x2415	BHEL-EDN	
42.	BOP C&I PANELS (CRE01-42, CXA01, CXA02, CFA01, CTE01-02)	47	(CRE51,52,54-59)	800x800x2415	BHEL-EDN	CAN PUL IN UNIT #1 CRE-53 FOR U#1 ONLY
43.	TG C&I PANELS (CAJ01-06, CCA01-04, CCA02-11, CAJ08, CAJ44)	14	--	800x800x2415	BHEL-EDN	
44.	GRP	01	--	4000x1000x2295	BHEL-BPL	
45.	--	--	--	--	--	
46.	BUS TRANSFER PANEL	02	--	800x800x355	BHEL-BPL	
47.	AVR	01	--	4053x800x2355	BHEL-EDN	
48.	DATA CONCENTRATOR-LV	01	--	800x800x2315	BHEL-BPL	
48a.	DATA CONCENTRATOR-HV	01	--	800x800x2315	BHEL-BPL	
49.	T&AVT PANEL (CFA01)	01	--	800x800x2415	BHEL-EDN	
50.	PA SYSTEM	01	--	800x800x1200	BHEL-PEM	
51.	GRAVIMETRIC FEEDER PANEL	06	--	1200x600x2415	BHEL-TRY	
52.	ELE. INTERFACE SYS (EIS-CY01)	01	--	800x800x2415	BHEL-EDN	
53.	ELE. INTERFACE SYS (EIS-CY02)	01	--	800x800x2415	BHEL-EDN	
53.	NETWORK PANELS	05	04	1600x1000x2415	BHEL-EDN	PLACED IN UNIT #1
54.	ACOB-1	01	--	1600x1000x2415	BHEL-EDN	
55.	ACOB-2	01	--	1600x1000x2415	BHEL-EDN	
56.	WMS	04	--	800x800x2415	BHEL-EDN	
57.	UPS PANEL	01	--	6000x1000x2415	BHEL-EDN	
58.	GPS/MASTER CLOCK	01/(COMMON FOR ALL 4 UNITS)	--	800x800x2415	BHEL-EDN	
59.	HART MANAGEMENT SYSTEM	02	--	800x800x2415	BHEL-EDN	
60.	SAS PANEL	01	--	800x800x2415	BHEL-EDN	PLACED IN UNIT #1
61.	COMMON UPS PANEL	--	01	4900x900x2230	BHEL-EDN	PLACED IN UNIT #1
62.	ACOB-1 FOR COMMON UPS PANEL	01	01	1640x895x2110	BHEL-EDN	PLACED IN UNIT #1
63.	ACOB-2 FOR COMMON UPS PANEL	--	01	1640x895x2110	BHEL-EDN	PLACED IN UNIT #1
S	SPARE SPACE					

REFERENCE DRAWING:

1. TG HALL EQUIPMENT LAYOUT PLAN AT OPERATING (15.5M) FLOOR

DRG. NO. PE-DG-411-100-M005
2. OPERATOR DESK & FURNITURE-OGA

DRG. NO. 36594401523
3. HMI BILL OF MATERIAL

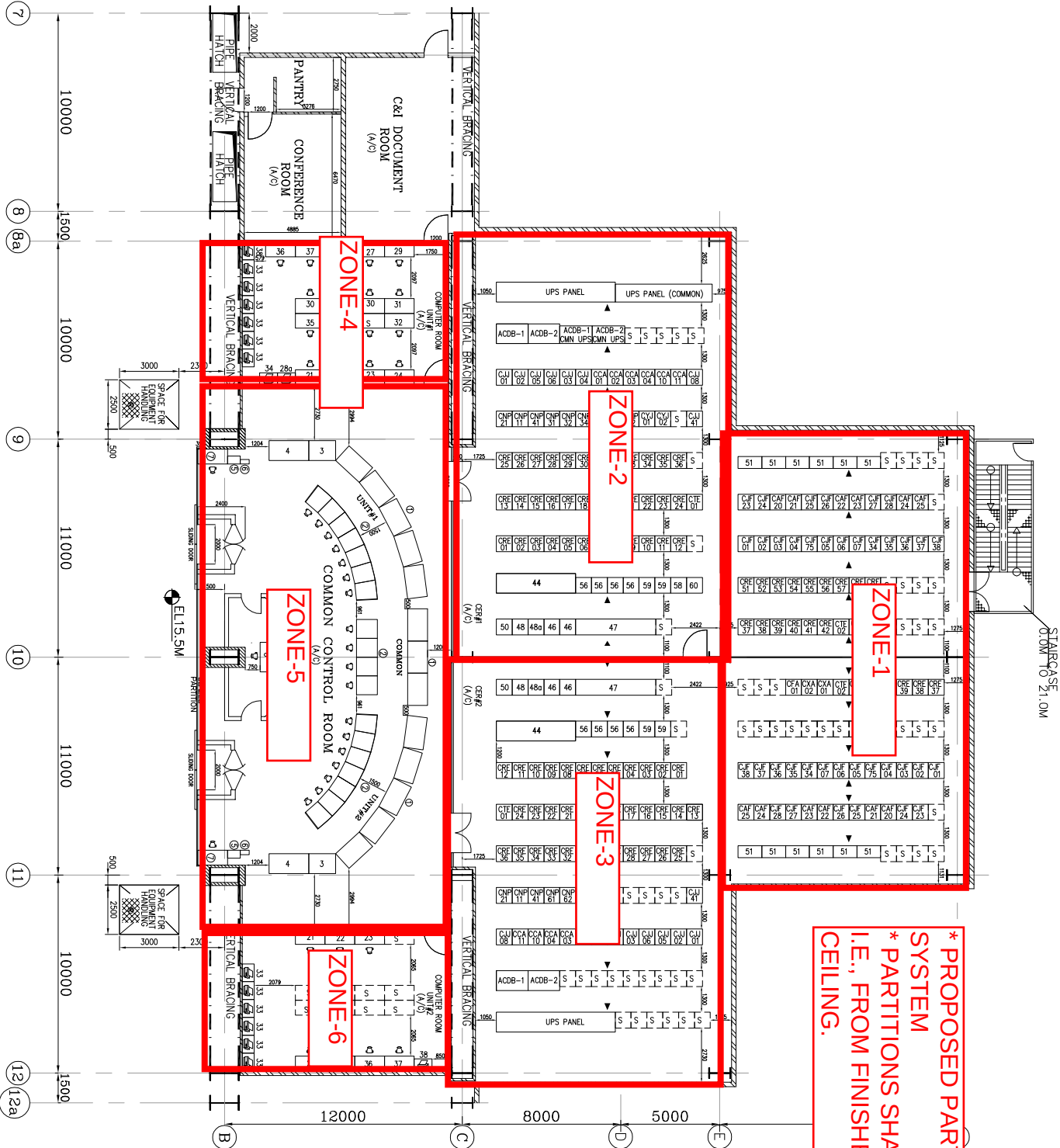
DRG. NO. EN-DG-1170-4002
4. OGA-FOR DCS PULS OF SG, TG, BOP C&I PKG AND HMI SYS

DRG. NO. 36590001149
5. HMI CONFIGURATION DRAWING

DRG. NO. 36594403291
6. STATION LAN / MIS SYSTEM WRITEUP

DRG. NO. EN-DG-1170-4012
7. PADO PROPOSED CONFIGURATION

DRG. NO.



- NOTES:-
- ALL PANEL DIMENSIONS ARE IN mm AND TENTATIVE
 - BRICK WALL WITH CLADDING
 - AL FRAMED PARTIAL GLAZED
 - FRONT
 - WALLS/PARTITIONS SHALL BE BUILT AFTER THE ERECTION OF THE PANELS.
 - FALSE CEILING HEIGHT SHALL BE 3.5 MTR.
 - SPARE SPACE

CUSTOMER										CUSTOMER										TELANGANA STATE POWER GENERATION CO. LTD.																																																																															
CUSTOMER'S CONSULTANT										CONSULTANT										DESEIN PRIVATE LIMITED																																																																															
JOB No. 411																				BHADRADRI TPS, UNITS # 1 TO 4 (4X270 MW), MANUGURU, KHAMMAM DISTRICT.																																																																															
STATUS CONTRACT										PROJECT										BHADRADRI TPS, UNITS # 1 TO 4 (4X270 MW), MANUGURU, KHAMMAM DISTRICT.																																																																															
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