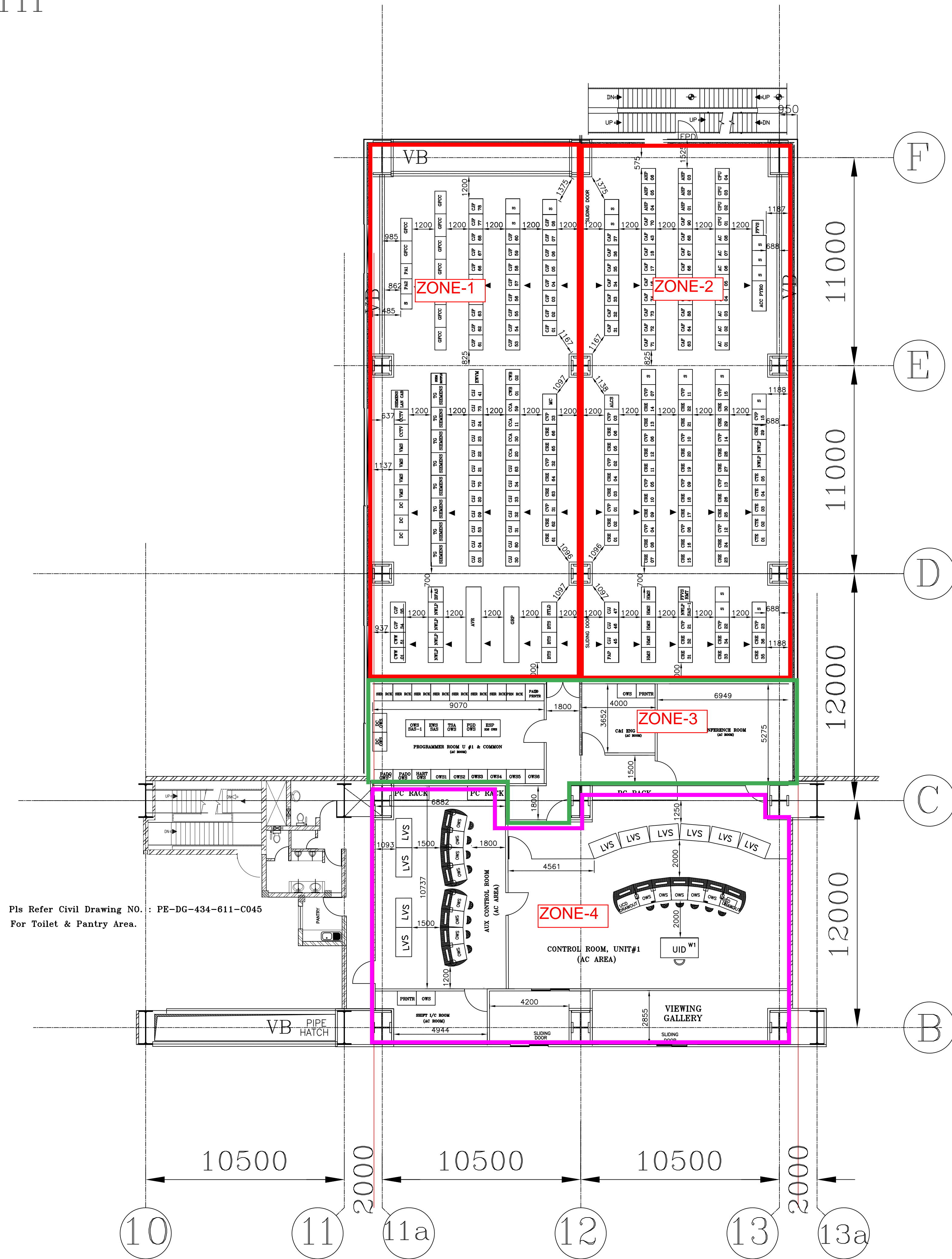


NORTH



UNIT#1 EL:18.0M

REF. DRGS.
1. TG EQUIPT PLAN AT 18.0M

9585-001-110-PVM-F-051

- NOTES:-
- ALL DIMENSIONS ARE IN MM AND ELEVATIONS IN METER.
 - FALSE CEILING HEIGHT FROM FFL SHALL BE 3.65M IN CCR AREA & 3.0M IN OTHER AREAS (AS PER CONTROL ROOM FALSE CEILING & DETAILS (NTPC DRG : 9585-001-315-PVC-C-0178)).
 - WHEREVER THE CUTOUT SIZE IS LARGER THAN REQUIRED AS PER LATEST INFORMATION, THE EXCESS CUTOUT TO BE COVERED WITH CHECKERED PLATE.
 - DOOR AT EMERGENCY EXIT ARE FIRE PROTECTION DOOR.

LEGEND	
	BRICK WALL (230mm THK)
	AL. FRAMED GLAZED GLASS WALL (125mm THK)
	SPARE SPACE
	FRONT OF PANEL
	DOUBLE DOOR
	SLIDING DOOR

UNIT CONTROL ROOM					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (HxWxD) MM PER PANEL	SCOPE	REMARK
1	CONTROL DESK FOR 5 NOS OF OWS	1 SET	7000x1200x776	BHEL-EDN	
2	DRAWOUT DESK	2		BHEL-EDN	
3	LARGE VIDEO SCREEN (UNIT + COMMON)	6	1550x985x800	BHEL-EDN	
4	UNIT INCHARGE PC	1	3000x1050x2415 (COMMON TABLE)	BHEL-EDN	
5	RACK FOR LVS OWS (UNIT + COMMON)	1	3000x900x1750	BHEL-EDN	

AUX CONTROL ROOM					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (HxWxD) MM PER PANEL	SCOPE	REMARK
1	CONTROL DESK FOR 4 NOS OF COMMON SYS	2 SET	4000x1200x776	BHEL-EDN	
2	LARGE VIDEO SCREEN (COMMON)	2+2	1550x985x800	BHEL-EDN	
3	RACK FOR LVS OWS (COMMON)	1+1	2000x900x1750	BHEL-EDN	

CONTROL EQUIPMENT ROOM (CER)					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (HxWxD) MM PER PANEL	SCOPE	REMARK
01	SG C&I PANELS (CRE, CVP)	51	750X800X2415	BHEL-EDN	TENTATIVE
02	BOP C&I	64	750X800X2415	BHEL-EDN	
03	TG C&I	27	750X800X2415	BHEL-EDN	
04	SIEMENS TG C&I PANELS	8	1200x800x2200	BHEL-HWR	
05	SIEMENS TG C&I PANELS (LAN CAB)	1	900x1000x2200	BHEL-HWR	
06	SIEMENS TG C&I PANELS (ROTAR FLX.)	1	600x800x2200	BHEL-HWR	
07	AVR PANEL	1	4053X800x2415	BHEL-EDN	
08	STLD	1	800x800x2415	BHEL-EDN	
09	GRP (1 TO 5)	1 SET	4000x800x2295	BHEL-BPL	
10	GRAVIMETRIC FDR PANELS	9	1200x600x2365	BHEL-TRY	
11	VMS PANELS	4	800x800x2415	BHEL-EDN	
12	MASTER CLOCK PANEL (COMMON)	1	800x800x2415	PEM-EDN	
13	BTS PANEL	3	800x800x2415	BHEL-BPL	
14	HART MANAGEMENT SYSTEM PANEL	5	800x800x2415	BHEL-EDN	
15	CCTV	2	800x800x2415	BHEL-EDN	
16	DATA CONCENTRATOR	3	800x800x2415	BHEL-BPL	
17	BFAS PANEL	1	750x800x2415	BHEL-TRY	
18	ACC PYRO	1	1600x800x2415	BHEL-TRY	
19	PA SYSTEM (PA1)	1	800x800x2270	BHEL-PEM	
20	PA SYSTEM (PA2)	1	800x800x400	BHEL-PEM	
21	NWLP	6	800x800x2415	BHEL-EDN	
22	AHP PANELS	6	750x800x2415	BHEL-EDN	
23	AC & VENT	8	800x800x2415	BHEL-EDN	
24	CPU VESSEL AREA	4	750x800x2415	BHEL-EDN	
25	FIRE ALARM PANEL (FAP)	1	800x800x2200	BHEL-PSD	
26	ALCS PANEL	1	750x750x2067	BHEL-RPT	
27	ALCS PANEL	1	750x750x2067	BHEL-RPT	
28	NWLP SAS-1 PANEL	1	800x800x2315	BHEL-BPL	TENTATIVE
29	EWVM	1	800x800x2315	BHEL-HWR	TENTATIVE
30	FFVS	1	800x600x2100	BHEL-TRY	
31	FFVS-ZCB	1	400x300x210	BHEL-TRY	

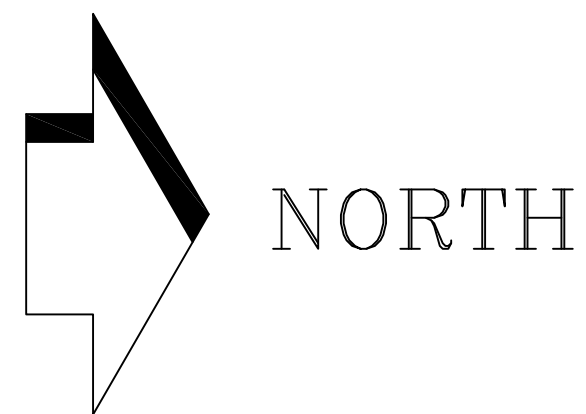
COMPUTER ROOM					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (HxWxD) MM PER PANEL	SCOPE	REMARK
1	OWS-STORIAN SERVER	2	1000x750x750	BHEL-EDN	
2	OWS-TSI	1	1000x750x750	BHEL-EDN	
3	OWS-PROGRAMMER	3	1000x750x750	BHEL-EDN	
4	DC-PC	2	1000x750x750	BHEL-EDN	
5	OWS-HART	1	1000x750x750	BHEL-EDN	
6	PRINTER RACK	1	1000x950x1500	BHEL-EDN	
7	SERVER RACK	3	1000x900x1750	BHEL-EDN	
8	OWS SAS-1 (COMMON)	1	1000x950x1500	BHEL-BPL	
9	OWS SAS	1	1000x900x1750	BHEL-BPL	
10	TSA OWS	1	1000x900x1750	BHEL-HWR	
11	FGD OWS	1	1000x900x1750	FGD SCOPE	
12	ESP IOS OWS	1	1000x900x1750	BHEL-RPT	

PADO ROOM COMMON					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (HxWxD) MM	SCOPE	REMARK
01	OWS	1	1000x750x750	BHEL-EDN	
02	PRINTER	1	900x750x750	BHEL-EDN	
03	PADO SERVER	1	1000x750x750	BHEL-EDN	

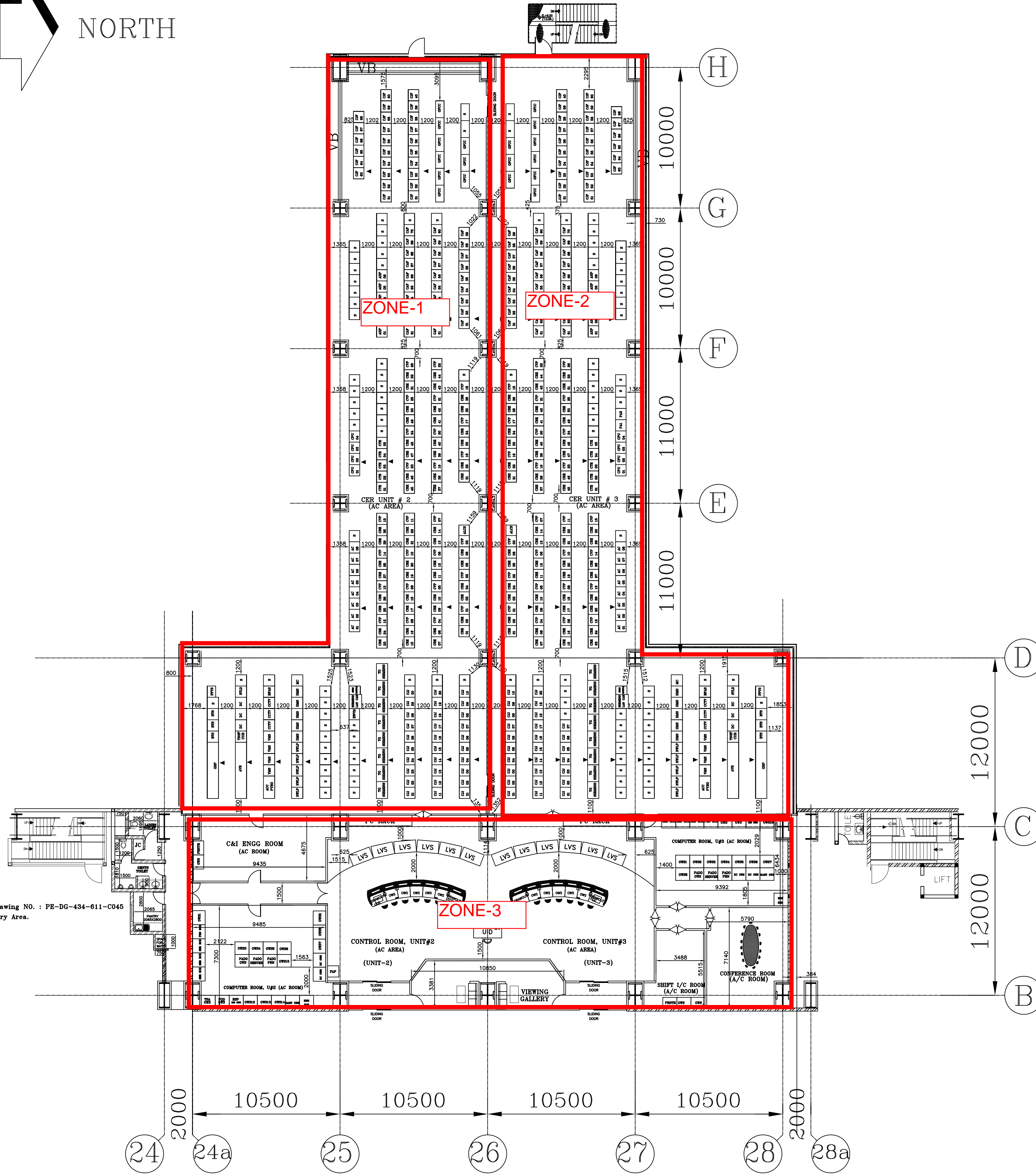
SHIFT INCHARGE ROOM					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (HxWxD) MM	SCOPE	REMARK
01	OWS	1	1000x750x750	BHEL-EDN	
02	PRINTER	1	900x750x750	BHEL-EDN	

C&I ENGG ROOM					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (HxWxD) MM	SCOPE	REMARK
01	OWS	1	1000x750x750	BHEL-EDN	
02	PRINTER	1	900x750x750	BHEL-EDN	

REV DATE		DRN	DES/CHD	APPD1	APPD2	NTPC DRG No.: 9585-001-405-PGI-F-002	
02 18.03.19		PA	JKG/MK	BS	SM	PROJECT 3x800MW PATRATU SUPER THERMAL POWER PROJECT PHASE-I	
Revised in line with NTPC comments received vide trnti ref: null4052088 Dated 29.01.2019 & further discussion with NTPC.		Revised in line with customer comments vide letter no. 4051509 MQM Dated 14.12.2018 & subsequent revisions sent to NTPC via email Dated 27.12.2018 & 04.01.2019.		OWNER NTPC LIMITED		DEPT. CODE I	
				Bharat Heavy Electricals Ltd POWER SECTOR PROJECT ENGINEERING MANAGEMENT NOIDA		NAME SIGN DATE	
				DRN PC/JKG -SD- 14.11.18		CHD MK/BS -SD- 14.11.18	
				APPD SM -SD- 14.11.18		TITLE CCR/EER/COMPUTER ROOM LAYOUT UNIT#1	
				DEPT. SCALE		DRAWING NO. PE-DG-434-145-1401	
				SIGN DATE		SHEET 1 OF 2	
						REV. 02	



NORTH



UNIT#2 & 3 EL:18.0M

UNIT CONTROL ROOM, U #2 / 3					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (Width) x (Height) x (Depth) mm	SCOPE	REMARK
1	CONTROL DESK FOR 5 NOS OF OWS	1 SET	7000x1200x776	BHEL-EDN	
2	DRAWOUT DESK	2		BHEL-EDN	
3	LARGE VIDEO SCREEN	6	1550x985x800	BHEL-EDN	
4	UNIT INCHARGE PC	1	3000x1050x2415 (COMMON TABLE)	BHEL-EDN	
5	RACK FOR LVS OWS	1	300x900x1750	BHEL-EDN	
6	FIRE ALARM PANEL (FAP COMMON)	1	800x800x2200	BHEL-PSD	

CONTROL EQUIPMENT ROOM (CER), U #2 / 3					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (Width) x (Height) x (Depth) mm	SCOPE	REMARK
01	SG C&I PANELS	51	750x800x2415	BHEL-EDN	
02	BOP C&I	64	750x800x2415	BHEL-EDN	
03	TG C&I	27	750x800x2415	BHEL-EDN	
04	SIEMENS TG C&I PANELS	8	1200x800x2200	BHEL-HWR	
05	SIEMENS TG C&I PANELS (LAN CAB)	1	900x1000x2200	BHEL-HWR	
06	SIEMENS TG C&I PANELS (ROTAR FLX.)	1	600x800x2200	BHEL-HWR	
07	AVR PANEL	1	4053x800x2415	BHEL-EDN	
08	STLD	1	800x800x2415	BHEL-EDN	
09	GRP (1 TO 5)	1 SET	4000x800x2295	BHEL-BPL	
10	GRAVIMETRIC FDR PANELS	9	1200x600x2365	BHEL-TRY	
11	VMS PANELS	4	800x800x2415	BHEL-EDN	
12	MASTER CLOCK PANEL (COMMON)	1	800x800x2415	BHEL-EDN	
13	BTS PANEL	3	800x800x2415	BHEL-BPL	
14	HART MANAGEMENT SYSTEM PANEL	5	800x800x2415	BHEL-EDN	
15	CCTV	3	800x800x2415	BHEL-EDN	
16	DATA CONCENTRATOR	3	800x800x2415	BHEL-BPL	
17	BFAS PANEL	1	750x800x2415	BHEL-TRY	
18	ACC PYRO	1	1600x800x2415	BHEL-TRY	
19	NWLP	5	800x800x2415	BHEL-EDN	
20	AHP PANELS	6	750x800x2415	BHEL-EDN	
21	AC & VENT	8	800x800x2415	BHEL-EDN	
22	CPU VESSEL AREA	4	750x800x2415	BHEL-EDN	
23	ALCS PANEL	1	750x750x2067	BHEL-RPT	
24	EWWM	1	800x800x2315	BHEL-HWR	TENTATIVE
25	FFVS	1	800x600x2100	BHEL-TRY	
26	FFVS-ZCB	1	400x300x210	BHEL-TRY	

COMPUTER ROOM, U #2 / 3					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (Width) x (Height) x (Depth) mm	SCOPE	REMARK
1	OWS-STORIAN SERVER	2	1000x750x750	BHEL-EDN	
2	OWS-TSI	1	1000x750x750	BHEL-EDN	
3	OWS-PROGRAMMER	3	1000x750x750	BHEL-EDN	
4	DC-PC	2	1000x750x750	BHEL-EDN	
5	OWS-HART	1	1000x750x750	BHEL-EDN	
6	PRINTER RACK	1	1000x950x1500	BHEL-EDN	
7	SERVER RACK	3	1000x900x1750	BHEL-EDN	
8	PADO OWS	1	1000x950x1500	BHEL-EDN	
9	PADO SERVER	1	1000x900x1750	BHEL-EDN	
10	PADO PRNTR (U#2)	1	1000x900x1750	BHEL-EDN	
11	OWS SAS	1	1000x900x1750	BHEL-BPL	
12	TSA OWS	1	1000x900x1750	BHEL-HWR	
13	FGD OWS	1	1000x900x1750	FGD SCOPE	
14	ESP IOS OWS	1	1000x900x1750	BHEL-RPT	

SHIFT INCHARGE ROOM					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (Width) x (Height) x (Depth) mm	SCOPE	REMARK
01	OWS	1	1000x750x750	BHEL-EDN	
02	PRINTER	1	900x750x750	BHEL-EDN	

C&I ENGG ROOM					
SR.NO.	DESCRIPTION	QTY/UNIT	DIMENSIONS (Width) x (Height) x (Depth) mm	SCOPE	REMARK
01	OWS	1	1000x750x750	BHEL-EDN	
02	PRINTER	1	900x750x750	BHEL-EDN	

REF. DRGS.

1. TG EQUIPT PLAN AT 18.0M

9585-001-110-PVM-F-051

NOTES:-

- ALL DIMENSIONS ARE IN MM AND ELEVATIONS IN METER.
- FALSE CEILING HEIGHT FROM FFL SHALL BE 3.65M IN COR AREA & 3.0M IN OTHER AREAS (AS PER CONTROL ROOM FALSE CEILING & DETAILS (NTP DRG : 9585-001-315-PVC-C-0178)).
- WHEREVER THE CUTOFF SIZE IS LARGER THAN REQUIRED AS PER LATEST INFORMATION, THE EXCESS CUTOFF TO BE COVERED WITH CHECKERED PLATE.
- DOOR AT EMERGENCY EXIT ARE FIRE PROTECTION DOOR.

LEGEND

- BRICK WALL (230mm THK)
- AL FRAMED GLAZED GLASS WALL (100mm THK)
- SPARE SPACE
- FRONT OF PANEL
- DOUBLE DOOR
- SLIDING DOOR

REV. DATE		DRN	DESIGN/CHD	APPRO	SM	REV. DATE		DRN	DESIGN/CHD	APPRO	SM	REV. DATE		DRN	DESIGN/CHD	APPRO	SM
02 18.03.19		PA	JKG/MK	BS		01 08.01.19		PA	JKG/MK	BS		01 08.01.19		PA	JKG/MK	BS	
Revised in line with NTPC comments received vide trnrt ref: null4052088 Dated 29.01.2019 & further discussion with NTPC.						Revised in line with customer comments vide letter no. 4051509 MDM Dated 14.12.2018 & subsequent revisions sent to NTPC via email Dated 27.12.2018 & 04.01.2019.											
JOB NO.		434		STATUS		CONTRACT		DISTRIBUTION				T.O.					
No. OF																	
TITLE		NTPC DRG No.: 9585-001-405-PGI-F-002		PROJECT		3x800MW PATRATU SUPER THERMAL POWER PROJECT PHASE-I		OWNER		NTPC LIMITED		QBTGM		BHARAT HEAVY ELECTRICALS LTD		DEPT CODE	