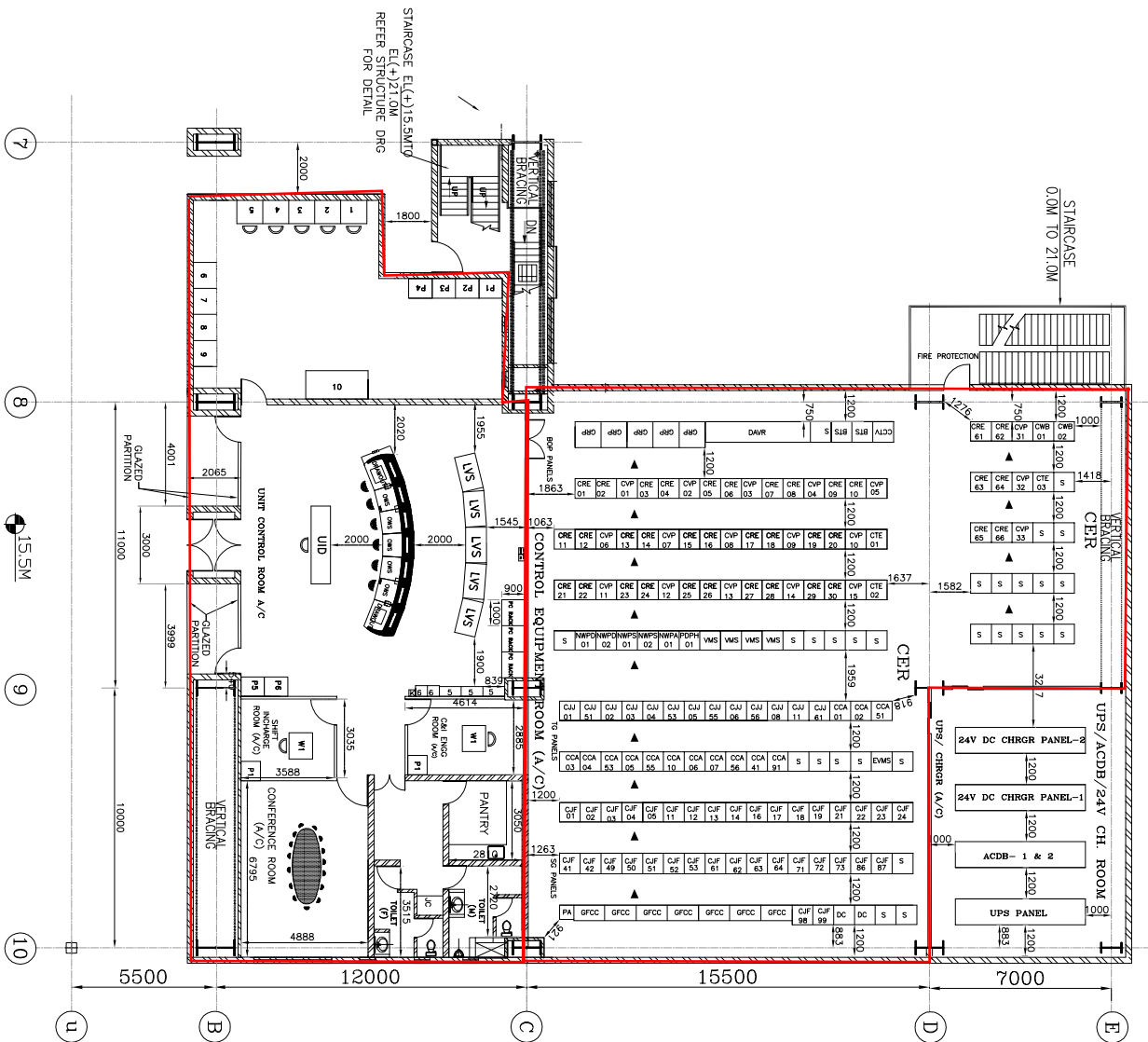




NORTH



- REF. DRGS.
1. TO EQUIPT PLAN AT 15.5M
 2. OGA FOR DCS PANELS OF SG C&I, TG &
- PE-DC-427-100-M005
3-66-00-06870

- NOTES:-
1. WALL THICKNESS IS CONSIDERED TO BE 230mm, INNER WALLS ARE CONSIDERED TO BE 125mm.
 2. THE CLEAR HEIGHT OF THE CONTROL ROOM BETWEEN FLOOR AND FALSE CEILING SHALL BE MINIMUM 3.5 M AND FOR OTHER AREAS THE FALSE CEILING SHALL BE 3.0 M FROM FFL.
 3. S - SPARE SPACE
 4. - FRONT OF PANEL
 5. THE DIMENSION ARE TENTATIVE ONLY
 6. DOORS AT EMERGENCY EXIT ARE FIRE PROTECTION DOORS.
 7. MINIMUM DISTANCE BETWEEN TWO PANELS IS 1200mm.
 8. ALL INTERNAL WALLS TO BE CONSTRUCTED AFTER ERECTION OF PANELS/EQUIPMENTS.
 9. CORRECTIONS WITH RESPECT TO UPDATES IN REFERENCE DOCUMENTS WILL BE MADE AND SUBMITTED PROGRESSIVELY.

CENTRAL CONTROL ROOM (CCR)				
SR.NO.	DESCRIPTION	QTY/ UNIT	DIMENSIONS (mm) MM	SCOPE
1	CONTROL DESK FOR 4+1(for SAS) NOS OF OWS DRAWOUT DESK 2 NOS (ECD, UCD), Synchronization plaque (1 no)	1 SET	7000x1200x775	BHEL-EDN
2	LARGE VIDEO SCREEN (67")	4+1	1360x1250x850	BHEL-EDN(4nos) BPL-186 (1 no.)
3	PC RACK	3	1000x900x1500	BHEL-EDN
4	UNIT INCHARGE DESK	1	3000x750x735	BHEL-EDN
5	ALMRAH	3	839x380x1780	BHEL-EDN
6	LOCKERS	2	410x457x1830	BHEL-EDN
7	WALL MOUNTED SLAVE CLCK	1	250x250	BHEL-EDN
8	WALL MOUNTED ENVI	1	250x250	BHEL-TRY
9	A3 COLOR LASER PRINTER	2	900x750x735	BHEL-EDN
10	C&I ENG ROOM & SHIFT INCHARGE ROOM 1PC	1+1	1000x900x1500	BHEL-EDN
11	C&I ENG ROOM & SHIFT INCHARGE ROOM 1 A4 COLOR LASER PRINTER	1+1	900x750x735	BHEL-EDN

COMPUTER ROOM				
SR.NO.	DESCRIPTION	QTY UNIT	DIMENSIONS (mm) MM	SCOPE
01	1 SERVER RACK FOR 2 PROGRAMMER PC (EWS FOR DCS)	1	1000x900x1500	BHEL-EDN
02,03,04	2 OWS, 1 EMS (for SAS)	3	1000x900x1500	BHEL-BPL
05	1 SERVER RACK FOR 2 STATION LAN SERVER	1	1000x900x1500	BHEL-EDN
06	1 SERVER RACK FOR 2 STORAN SERVER	1	1000x900x1500	BHEL-EDN
07	1 SERVER RACK FOR GATEWAYPC, UNRPC & NWS SERVER	1	1000x900x1500	BHEL-EDN
08,09	DATA CONCENTRATOR PC	2	1000x900x1500	BHEL-BPL
10	WORKSTATION FURNITURE	1	2400x1100x1650	PEM-EDN
P1-P2	A3 COLOR LASER PRINTER	2	900x750x735	BHEL-EDN
P3,P4	A4 LASERJET PRINTER- DC & SAS	2	900x750x735	PEM-ELECT

CONTROL EQUIPMENT ROOM (CER)				
SR.NO.	DESCRIPTION	QTY UNIT	DIMENSIONS (mm) MM	SCOPE
01	SG C&I PANELS	31	750x800x2067	BHEL-EDN
02	BOP C&I	59	750x800x2067	BHEL-EDN
03	TG C&I	29	750x800x2067	BHEL-EDN
04	GRP (GEN/GR/UT PROT. PANELS)	5	1000x1000x2295	BHEL-BPL
05	GRAVIMETRIC FFR PANELS	7	1400x610x2365	BHEL-TRY
06	VMS PANELS	4	800x800x2067	BHEL-EDN
07	DAVR PANEL	1	4056x800x2067	BHEL-EDN
08	GPS MASTER CLOCK PANEL	1	800x800x2067	BHEL-EDN
09	EWMS	1	750x800x2315	PEM-EDN
10	CCIV	1	800x800x2315	BHEL-EDN
11	NETWORK PANEL(NWP+PDPH)	5+1	750x800x2315	BHEL-EDN
12	GENERATOR END WINDING VIBRATION MONITORING SYSTEM-EWMS	1	750x800x2315	BHEL-HMR
13	PA	1	550x550x2315	PEM-ELEC
14	BTS	2	800x800x2315	BHEL-BPL

UPS/ CHRG ROOM				
SR.NO.	DESCRIPTION	QTY/ UNIT	DIMENSIONS (mm) MM	SCOPE
1	24V DC CHRG PANEL-1 (SG & TG)	1 SET	5000x800x2015	BHEL-EDN
2	24V DC CHRG PANEL-2 (BOP)	1 SET	5000x800x2015	BHEL-EDN
3	UPS ACDB (ACDB- 1 & 2)	1 SET	5000x1050x2015	BHEL-EDN
4	UPS PANEL	1 SET	5000x1050x2400	BHEL-EDN

PROJECT					ROURKELA PP-II EXPANSION (1x250 MW)				
JOB NO. 427					OWNER				
STATUS CONTRACT					NTPC-SAIL POWER CORPORATION LTD.				
DISTRIBUTION					BHEM				
Rev 02	DATE 19.06.17	DESN PA	CHD MK	APPD BS	NO. OF Rev 01	DATE 20.04.17	DESN PA	CHD MK	APPD BS
Revised as per MDM Dated 14-15 June 2017					Revised in line with customer comments dated : 24.03.2017				
TITLE					CCR/EEER/COMPUTER ROOM LAYOUT				
DEPT. SCALE					DRAWING NO. PE-DC-427-145-1401				
SHEET 1 OF 1					REV. 02				