



TITLE

TECHNICAL SPECIFICATION FOR
ELEVATOR
2X500 MW ANPARA D TPS

SPECIFICATION NO. PE-TS-298-502-A001

VOLUME III

REV 00

DATE 01.01.2018

SHEET 1 OF 1

PRE-BID CLARIFICATION SCHEDULE
(Bidder query received vided email dtd: 29.12.2017)

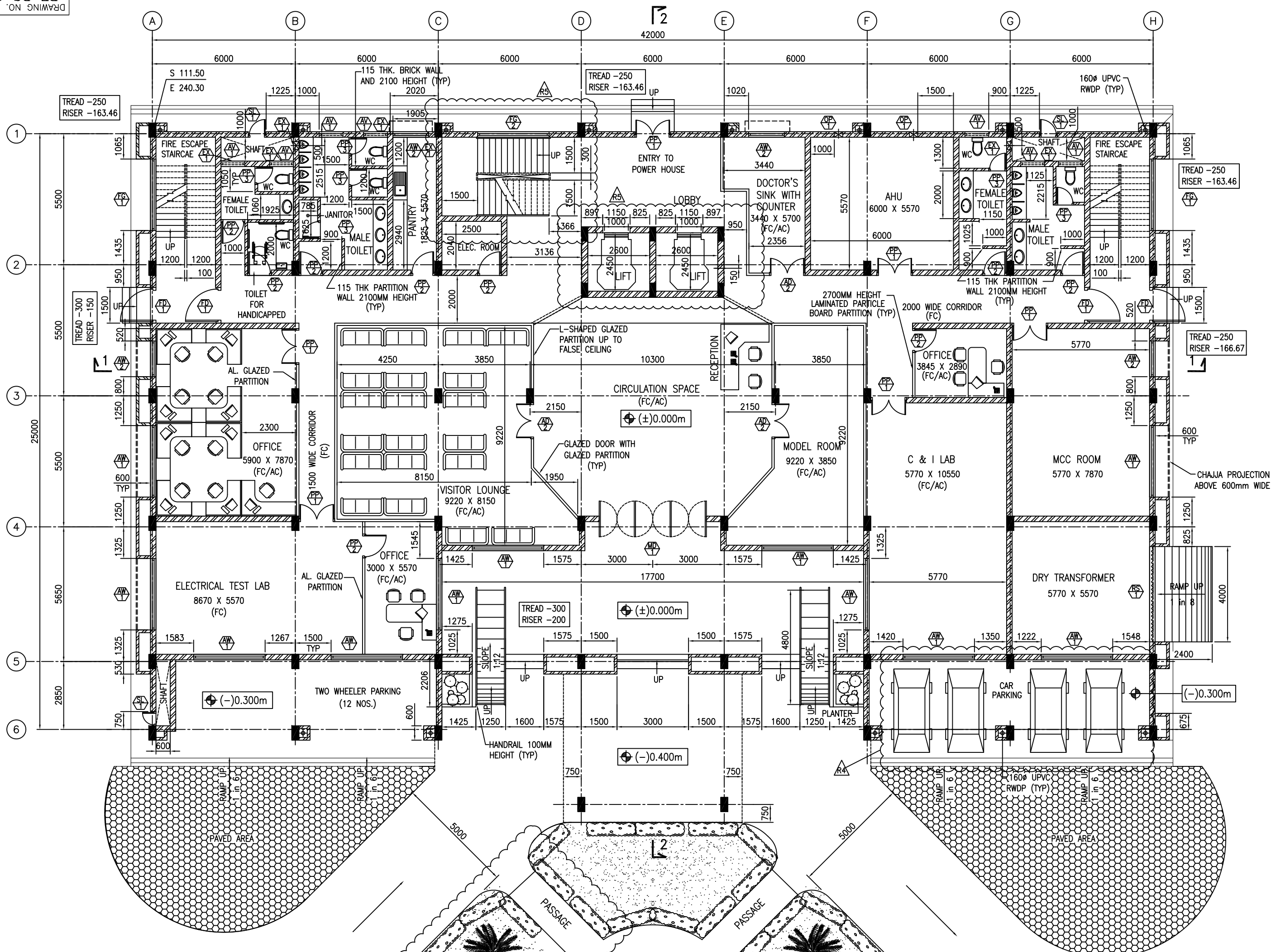
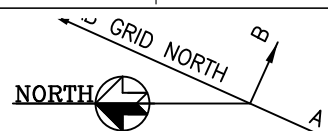
S. No.	Section/Cause/Page No.	Statement of the referred clause	Clarification Raised by bidder	BHEL response
1	Section I-A- Civil input drawings	-	Please provide clear dimensions of elevator shaft, Pit and Machine room and dimension for opening of clear elevator entrance for both Admin and Service Building.	Elevator shaft, pit & machine room details have already been indicated in civil input drawings enclosed along with NIT. Further for additional details regarding entrance size, following drawings are attached with these clarifications, may be referred. <u>For Service building (Technical building):</u> i) Entrance size (Civil drg. No. PE-DG-298-640-C001 Rev-04) <u>For Administrative building:</u> i) Entrance size (Civil drg. No. PE-DG- 298-641-C001 Rev-04)

CAD FILE NAME: C:\Users\3063259\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\ANF\W7Z\PP-DG-298-640-C001.dwg
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PE-DG-298-640-C001
DRAWING NO.

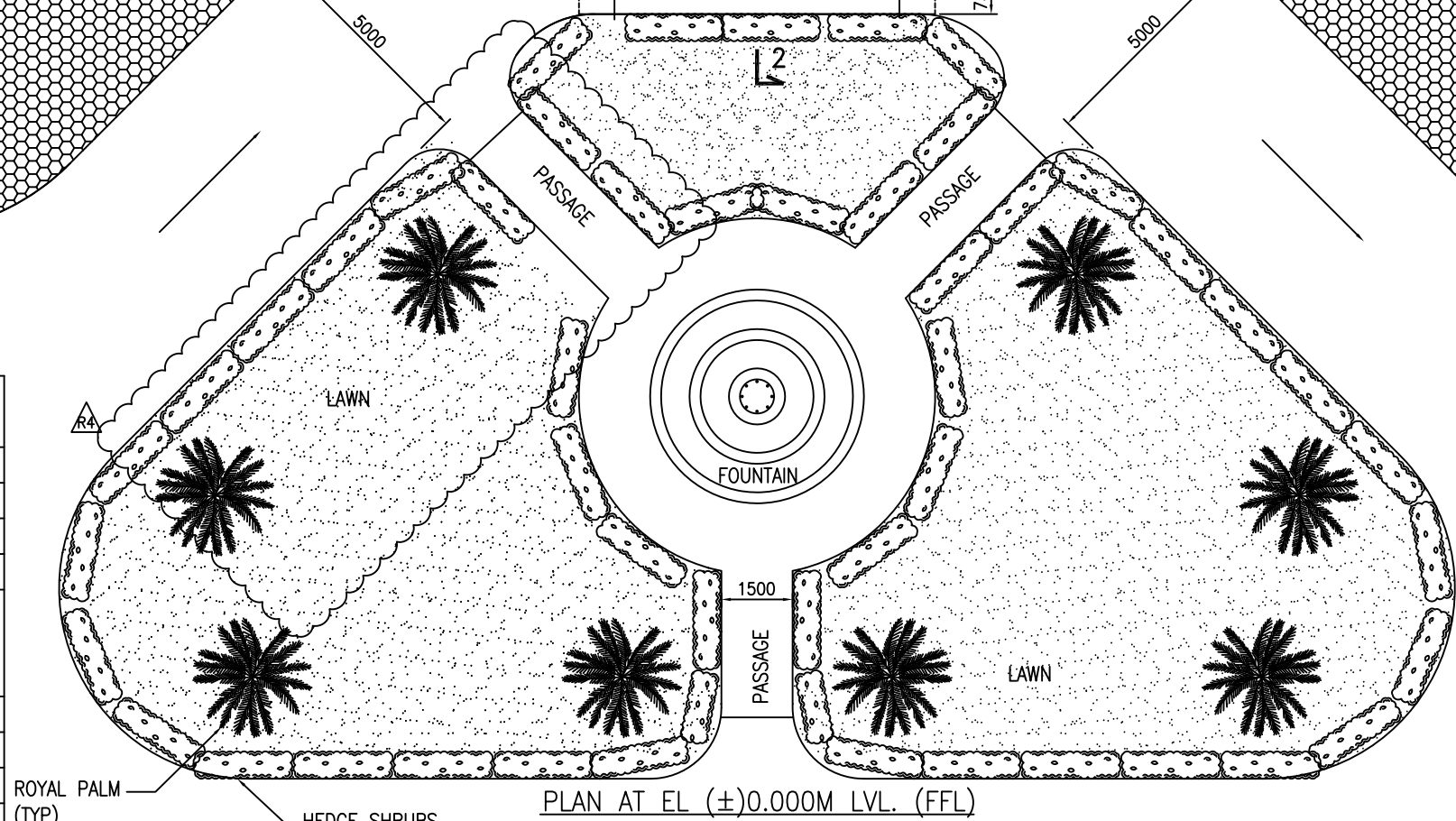
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM



SCHEDULE OF OPENINGS

SYMBOL	NO.S	SILL LEVEL AT EL.	MASONRY OPENING		REMARKS
			WIDTH	HEIGHT	
	1	EL±0.000m	4500	2400	ALUMINIUM MAIN FRAMED GLAZED DOOR
	1	EL±0.000m	1200	2100	ALUMINIUM FRAMED GLAZED DOOR
	3	EL±0.000m	1500	2100	ALUMINIUM FRAMED GLAZED DOOR
	4	EL±0.000m	1500	2100	FIRE DOOR - SINGLE SHUTTER
	6	EL±0.000m	1500	2100	DOUBLE SHUTTER
	9	EL±0.000m	1000	2100	FACTORY MADE PRELAMINATED PARTICLE BOARD
	6	EL-0.010m	750	2100	
	11	EL+0.900m	3000	1200	ALUMINIUM FRAMED GLAZED WINDOW
	4	EL+0.900m	1500	1200	ALUMINIUM FRAMED GLAZED WINDOW
	7	EL+1.500m	1000	600	ALUMINIUM FRAMED GLAZED LOUVERED VENTILATOR
	2	-	3000	VARIES	ALUMINIUM FRAMED FIXED GLASS WINDOW
	1	-	3000	VARIES	ALUMINIUM FRAMED FIXED GLASS WINDOW
	1	EL±0.000m	4000	3500	ROLLING SHUTTER
	3	EL+0.900m	600	2100	STEEL LOUVERED DOOR
	7	EL+2.600m	-	-	#330MM WALL OPENINGS
	2	EL+2.600m	-	-	#350MM OPENING FOR AHU



NOTE:
ALL LOOSE FURNITURE & WORK STATION PARTITION ARE NOT UNDER SCOPE OF BHEL

AREA AT EL ±0.000m LVL. - 1076 Sqm.

JOB NO.	298
STATUS	CONTRACT
PRINT SCALE IN METRE	0 2.4 6.8 10 20 30 40 50

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD
04	15.09.10	P.S.V	G.K.D	G.V	03	26.06.10	R.V	A.S	G.V	02	26.02.10	R.V	A.S	G.V	01	02.11.09	M.S.B	A.S	G.V
REVISED IN LINE WITH UPVUNL COMMENTS RECEIVED ON 15.07.2010 AND MARKED AS					REVISED IN LINE WITH NTPC COMMENTS RECEIVED ON 18.06.2010 AND MARKED AS					REVISED IN LINE WITH NTPC COMMENTS RECEIVED ON 15.01.2010 AND MARKED AS					REVISED IN LINE WITH NTPC COMMENTS RECEIVED ON 08.10.2009 AND MARKED AS				

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METERS UNO.
- ALL ELEVATIONS ARE WITH RESPECT TO MAIN POWER HOUSE BUILDING. GROUND FLOOR LEVEL AS EL(±)0.000 M. WHICH CORRESPONDS TO R.L. (+)273.80 M
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH TERMS, CONDITIONS AND SPECIFICATION OF THE CONTRACT

REFERENCE DRAWINGS:

S.NO	DESCRIPTION	BHEL / NTPC DWG. NO.
1	TECHNICAL BLDG. - ARCHITECTURAL PLAN AT EL+4.250m LVL.	PE-DG-298-640-C002
2	TECHNICAL BLDG. - ARCHITECTURAL PLAN AT EL+8.500m LVL.	9464-108-01PE-PVC-F-108
3	TECHNICAL BLDG. - ARCHITECTURAL PLAN AT EL+12.750m LVL.	9464-108-01PE-PVC-F-109
4	TECHNICAL BLDG. - ARCHITECTURAL PLAN AT EL+17.000m LVL.	9464-108-01PE-PVC-F-110
5	TECHNICAL BLDG. - ARCHITECTURAL PLAN AT EL+21.200m LVL, EL+24.200m LVL, EL+24.350m LVL & EL+25.200m LVL	9464-108-01PE-PVC-F-112
6	TECHNICAL BLDG. - ARCHITECTURAL WEST ELEVATION	9464-108-01PE-PVC-F-113
7	TECHNICAL BLDG. - ARCHITECTURAL SECTION 1-1	9464-108-01PE-PVC-F-114
8	TECHNICAL BLDG. - ARCHITECTURAL EAST ELEVATION	9464-108-01PE-PVC-F-115
9	TECHNICAL BLDG. - ARCHITECTURAL SECTION 2-2	9464-108-01PE-PVC-F-116
10	TECHNICAL BLDG. - ARCHITECTURAL NORTH ELEVATION	9464-108-01PE-PVC-F-117
11	TECHNICAL BLDG. - ARCHITECTURAL SOUTH ELEVATION	9464-108-01PE-PVC-F-118
12	TECHNICAL BLDG. - ARCHITECTURAL FINISH SCHEDULE	9464-108-01PE-PVC-W-115
13	GENERAL NOTES & STANDARD DETAILS FOR ARCHITECTURAL WORKS SH (1 OF 4)	9464-108-01PE-PVC-W-011
14	PLOT PLAN	9464-108-01PE-PVC-F-001

LEGEND:

- RWDP : RAIN WATER DOWN PIPE
UNO : UNLESS NOTED OTHERWISE
FC : FALSE CEILING
AC : AIR CONDITION
BRICK WALL

HOLD

LIFT VENDOR DETAILS AWAITED

BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)	
THIS DRAWING MARKED(✓) IS RELEASED FOR	
☒ COMMENTS/APPROVAL	☐ FABRICATION
☐ PLANNING	☐ INFORMATION
☐ CONSTRUCTION	☐ AS BUILT DRAWING
STAMP ALL PREVIOUS REVISION AS SUPERSEDED	
ISSUED BY	
NAME	
SIGNATURE	

NTPC DRG NO: 9464-108-01PE-PVC-F-107

PROJECT UP RAJYA VIDYUT UTPADAN NIGAM LTD.
ANPARA THERMAL POWER STATION
STAGE-D (2X500MW) UNIT # 6 & 7

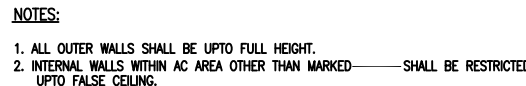
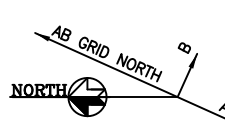
OWNER'S CONSULTANT:-
NTPC NTPC LTD.-CONSULTANCY WING

CONTRACTOR:-
BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI

BHEL'S CONSULTANT:	INTERCONTINENTAL DEVELOPMENT & ENGINEERING AE&E PVT. LIMITED	DEPT CODE	DRN	S.S	NAME	SIGN	DATE
I.D.E.A	A group company of Austrian Energy & Environment, Austria (A Company of A -TEC Industries AG) CHENNAI	C	DESN	GA			07.07.2009
			CHD	AS			07.07.2009
			APPD	GV			07.07.2009

TITLE TECHNICAL BUILDING
ARCHITECTURAL PLAN AT EL±0.000m LVL

MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE 1:100	DRAWING NO.
					SIGN		PE-DG-298-640-C001
					DATE		SHEET 1 OF 1 REV. 04



The diagram shows a square R.C.C. pedestal with a width of 150 and a height of 150. It features a central square core with a diagonal line. Reinforcement details include 4-12Y bars at the top and 8Y@200c/c bars along the sides. The pedestal is labeled "R.C.C. PEDESTAL (FOR AHU)".

REFERENCE DRAWINGS:		
S.NO	DESCRIPTION	BHEL DWG. NO. NTPC DWG. NO.
1.	PLOT PLAN	PE-DG-298-100-M001 9464-108-010E-PVC-PWF-001
2.	GENERAL NOTES & STANDARD DETAILS FOR ARCHITECTURAL WORKS SH (1 OF 4)	PE-DG-298-611-0026 9464-108-010E-PVC-W-011
3.	ADMIN BUILDING - ARCHITECTURAL PLANT AT EL+8.500m LVL	PE-DG-298-641-0002 9464-108-010E-PVC-PWF-132
4.	ADMIN BUILDING - ARCHITECTURAL PLANT AT EL+8.500m LVL	PE-DG-298-641-0003 9464-108-010E-PVC-PWF-133
5.	ADMIN BUILDING - ARCHITECTURAL PLANT AT EL+12.500m LVL	PE-DG-298-641-0004 9464-108-010E-PVC-PWF-134
6.	ADMIN BUILDING - ARCHITECTURAL ELEVATIONS	PE-DG-298-641-0005 9464-108-010E-PVC-PWF-135
7.	ADMIN BUILDING - ARCHITECTURAL ELEVATIONS	PE-DG-298-641-0006 9464-108-010E-PVC-PWF-136
8.	ADMIN BUILDING - ARCHITECTURAL SECTIONS	PE-DG-298-641-0007 9464-108-010E-PVC-PWF-137

NTPC DRG NO: 9464-108-01PE-PVC-F-131																											
PROJECT		UP RAJYA VIDYUT UTPADAN NIGAM LTD. ANPARA THERMAL POWER STATION STAGE-D (2X550MW) UNIT # 6 & 7																									
OWNER'S CONSULTANT -		NTPC LTD.-CONSULTANCY WING																									
																											
CONTRACTOR -		BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NEW DELHI																									
																											
BHEL'S CONSULTING:		INTERCONTINENTAL DEVELOPMENT & ENGINEERING AEE PVT. LIMITED A Group company of Austen Energy & Environment, Australia (A Company of a 100% Indian Public Sector Enterprise)		<table><tr><th>DEPT</th><th>CH</th><th>NAME</th><th>SRGN</th><th>100%</th></tr><tr><td rowspan="4">C</td><td>DRN</td><td>S.S</td><td></td><td>100%</td></tr><tr><td>DRN</td><td>G.A</td><td></td><td>100%</td></tr><tr><td>DRN</td><td>F.S</td><td></td><td>100%</td></tr><tr><td>DRN</td><td>G.V</td><td></td><td>100%</td></tr></table>		DEPT	CH	NAME	SRGN	100%	C	DRN	S.S		100%	DRN	G.A		100%	DRN	F.S		100%	DRN	G.V		100%
DEPT	CH	NAME	SRGN	100%																							
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	DRN	G.A		100%																							
	DRN	F.S		100%																							
	DRN	G.V		100%																							
																											

TITLE													ADMINISTRATION BUILDING												
													ARCHITECTURAL PLAN AT EL+0.000m LVL												
		MPL	ELEC	C&I	MSE	MAX	DEPT.	SCALE: 1:100					DRAWING NO.												
							SIGN						PE-DG-298-641-C												
						DATE	SHEET 1 OF 1 REV. 0																		
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