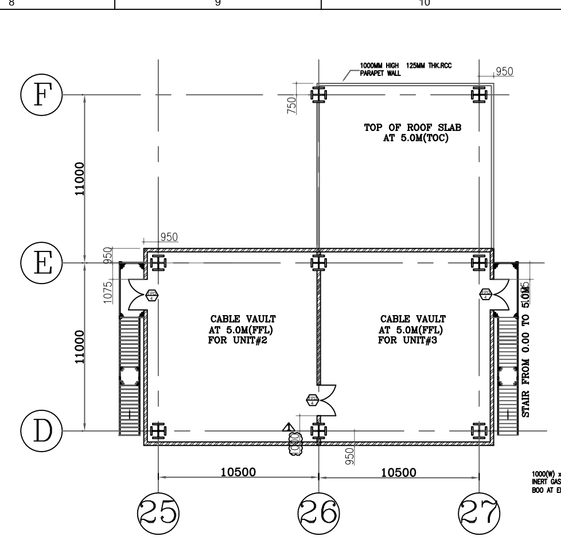
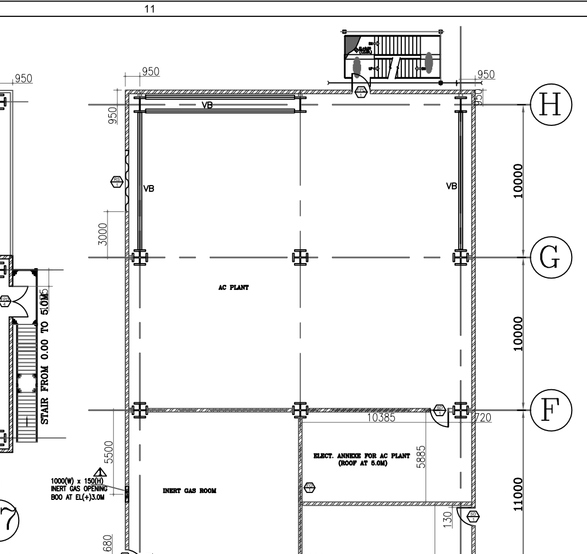
FIRST ANGLE PROJECTION

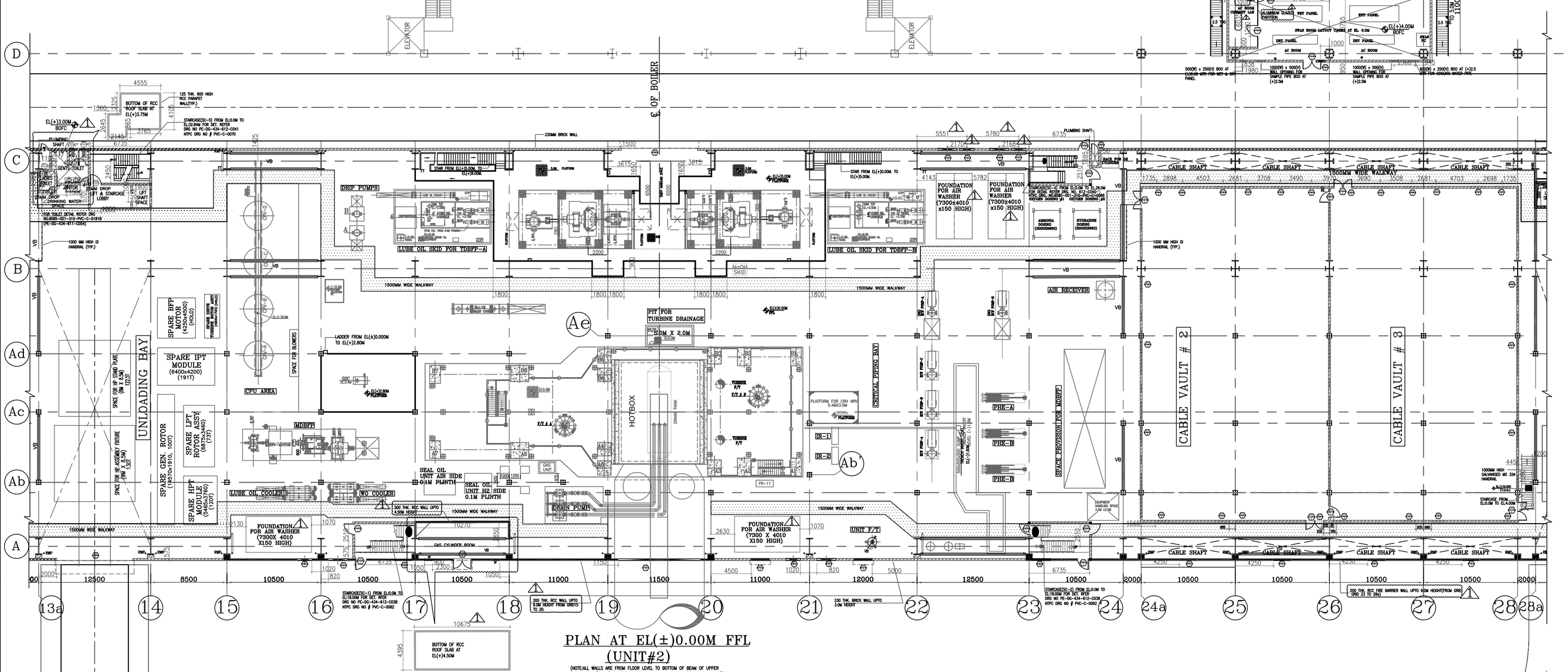
ALL DIMENSIONS ARE IN MM

DRAWING No. PE-DG-434-611-C038



PLAN AT EL(+)5.00M (FFL) (UNIT#2)

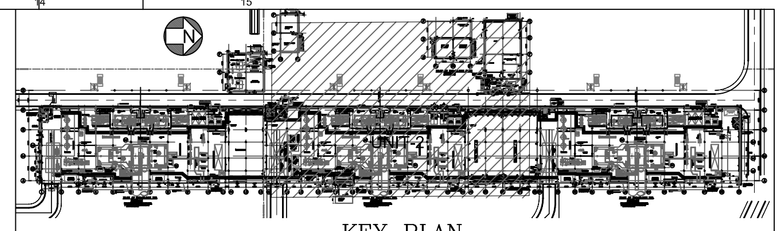




PLAN AT EL(±)0.00M FFL (UNIT#2)

(NOTE:ALL WALLS ARE FROM FLOOR LEVEL TO BOTTOM OF BEAM OF UPPER FLOOR LEVEL(I.M.O.) EXCEPT TOILET WALLS WHICH ARE UPTO 3.70M LEVEL))

(* MARKED WALLS OF SWGS ROOM SHALL BE CONSTRUCTED AFTER ERECTION OF EQUIPMENT/PANELS)



KEY PLAN

NOTES:-

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH CONTRACT TERMS AND CONDITIONS, TECHNICAL SPECIFICATIONS AND SCHEDULE OF ITEMS.
2. ALL DIMENSIONS ARE IN MM & ELEVATIONS IN METERS UNLESS STATED OTHERWISE.
3. ALL ELEVATIONS ARE REFERRED TO THE FINISHED FLOOR LEVEL OF POWER HOUSE BUILDING AS EL. 0.00 M WHICH CORRESPONDS TO RL(+) 375.50 M.
4. FOR OTHER NOTES AND STD. DETAILS REF. DRG. PE-DG-434-600-C001 (NTPC DRG NO. 9585-001-315-PVC-C-0451B)
5. OPENINGS MARKED ARE AS PER LATEST ELECTRICAL/ MECHANICAL DRAWINGS AVAILABLE. OPENING SIZE AND LOCATIONS MAY BE CHECKED FROM RESPECTIVE ELECTRICAL/ MECHANICAL DRAWINGS OR RECONFIRMED FROM BHEL-PEM (CIVIL) BEFORE ERECTION.
6. ALL BRICK WALLS SHALL BE OF FLYASH BRICKS EXCEPT LIFT SHAFT WHICH SHALL BE MADE OF BURNT CLAY BRICKS.

ENGINEERING REFERENCE DRAWINGS :-

1. PE-DG-434-100-M001(NTPC DRAWING NO: 9585-001-999-POC-F-001 REV 3)- PLOT PLAN
2. PE-DG-434-100-M003(NTPC DRAWING NO:9585-001-110-PVM-F-049 REV 2) - EQUIPMENT PLAN AT EL 0.0M FLOOR
3. PE-DG-434-100-M007(NTPC DRAWING NO.9585-001-110-PVM-F-053 REV 2) - CROSS SECTION OF MAIN PLANT
4. PE-DG-434-145-I403A(NTPC DRAWING NO.9585-001-405-PVI-F-001 REV 1) -SWAS ROOM LAYOUT U#2 & 3 AT EL.(+)0.0M
5. PE-DG-434-100-E001(NTPC DRAWING NO.9585-001-200-PVE-F-001 REV 0) -LAYOUT OF TRANSFORMER YARD
6. PE-VO-434-554-A607(NTPC DRAWING NO.9585-001-148-PVM-F-003 REV 1) -EQUIPMENT LAYOUT OF AIR WASHER UNIT ALONG WITH FOUNDATION DETAIL ALONG A ROW - SH2 OF 9
7. PE-VO-434-554-A608(NTPC DRAWING NO.9585-001-148-PVM-F-004 REV 0) -EQUIPMENT LAYOUT OF AIR WASHER UNIT ALONG WITH FOUNDATION DETAIL ALONG BC BAY & BOILER MCC ROOM- SH 1 OF 7
8. PYLEOM100203801(NTPC DRAWING NO.9585-001-151-PVM-P-002 REV 0) -LAYOUT OF HYDRANT & SPRAY SYSTEM FOR DJG & BOILER AREA(AREA-2)
9. PE-DG-434-100-E009(NTPC DRAWING NO.9585-001-200-PVE-F-104 REV 2) -CABLING BELOW MV SWITCHGEAR ROOM

STRUCTURAL REFERENCE DRAWINGS :-

1. PE-DG-434-612-C001(NTPC DRAWING NUMBER: 9585-001-315-PVC-C-0004 REV.2):MAIN POWER HOUSE BUILDING-STRUCTURAL FRAMING & COLUMN DETAIL ALONG A ROW (UNIT-1)
2. PE-DG-434-612-C004(NTPC DRAWING NUMBER:9585-001-315-PVC-C-0007 REV.2):MAIN POWER HOUSE BUILDING-STRUCTURAL FRAMING & COLUMN DETAIL ALONG B ROW (UNIT-1)
3. PE-DG-434-612-C007(NTPC DRAWING NUMBER: 9585-001-315-PVC-C-010 REV.2)-MAIN POWER HOUSE BUILDING-STRUCTURAL FRAMING & COLUMN DETAIL ALONG C ROW (UNIT-1)
4. PE-DG-434-612-C019(NTPC DRAWING NUMBER: 9585-001-315-PVC-C-0058 REV.0)-MAIN POWER HOUSE BUILDING-WALL BEAMS & CLADDING FRAMING ALONG C ROW

ARCHITECTURAL DRAWINGS :-

1. PE-DG-434-600-C005(NTPC DRAWING NUMBER: 9585-001-315-PVC-C-0151C REV.0) - PH BLDG.-STANDARD DETAILS OF DOORS
2. PE-DG-434-600-C006(NTPC DRAWING NUMBER: 9585-001-315-PVC-C-0151E(REV 0) - PH BLDG.-STANDARD DETAILS OF WINDOWS
3. PE-DG-434-611-C032(NTPC DRAWING NUMBER: 9585-001-315-PVC-C-0152A(REV 0) - PH BLDG.- A ROW ELEVATION

PLASTER:-

1. EXTERNAL PLASTER ON BRICK WALL 18MM THK ROUGH FACE & 12MM THICK SMOOTH FACE
2. INTERNAL PLASTER ON BRICK WALL SMOOTH FACE 12MM THICK & ROUGH FACE 18MM THICK (CEMENT SAND PLASTER IN 1:6 ON BRICK WALL)
3. CEILING OF CABLE VAULT NOT TO BE PLASTERED

LEGENDS.:-

- OPENING
- CONCRETE HATCH
- BRICK WALL
- ℄ – CENTER LINE
- EF – EXHAUST FAN
- EL – ELEVATION
- FFL – FINISHED FLOOR LEVEL
- TYP – TYPICAL
- FT – STAINLESS STEEL FLOOR TRAP OF 100MM INLET & OUTLET SIZE
- RWP – 150ø GALVANIZED MS PIPE
- EFO – ELECTRICAL FLOOR OPENING
- WALK WAY
- EL(+)X.XXX – LEVEL TAG
- TILE DROP
- TOC – TOP OF CONCRETE
- TOCP – TOP OF CHEQUERED PLATE
- TOG – TOP OF GRATING
- UNO – UNLESS NOTED OTHERWISE
- BOO – BOTTOM OF OPENING
- BOFC – BOTTOM OF FALSE CEILING
- EO – ELECTRICAL WALL OPENING
- VO – VENTILATION WALL OPENING
- GRATING
- R – REMOVABLE GRATING
- CHEQUERED PLATE
- P – REMOVABLE CHEQUERED PLATE

FINISH SCHEDULE

SERIAL NUMBER	AREAS	FLOORING (TOTAL FLOORING THICKNESS = 50MM): CEMENT CONCRETE WITH METALLIC HARDENER TOPPING	CEMENT CONCRETE FLOORING (1:2) WITHOUT METALLIC FLOOR HARDENER	25MM THK. ACID ALKALI RESISTANT TILES (SUITABLE FOR ACID FUMES)	OIL RESISTANT PAINT, EPOXY BASED) 150 MICRON OVER PRIMER	VITRIFIED CERAMIC TILES OF SIZE 600X600X10	HEAVY DUTY DUST PRESSED CERAMIC TILES AND GRANITE STONE IN COMBINATION FOR BASIN PLATFORM	18MM THICK POLISHED GRANITE STONE ⚠	INTERNAL WALLS: SKIRTING: 10A MM HIGH CEMENT CONCRETE SKIRTING	SKIRTING: 150 MM HIGH, UNPOLISHED VITRIFIED CERAMIC TILES SKIRTING	DADO: DESIGNER CERAMIC WALL TILES DADO UPTO FALSE CEILING	DADO: ACID ALKALI RESISTANT TILES UPTO 1500 HEIGHT	PAINTING: ACRYLIC DISTEMPER	PAINTING: ACRYLIC EMULSION PAINT	PAINTING: CHEMICAL RESISTANT PAINT	PAINTING: 18 THK. POLISHED GRANITE & 18 MM THK. GYPSUM FALSE CEILING HEIGHT	CEILING: ACRYLIC DISTEMPER EXCEPT METAL DECK AREA	CEILING: CHEMICAL RESISTANT PAINT EXCEPT METAL DECK AREA	CEILING: CALCIUM SILICATE FALSE CEILING.	CEILING: GI CLIP IN METAL FALSE CEILING IN COMBINATION WITH GRID & PLASTER	EXTERNAL WALL: BRICKWORK UPTO 3M. HIGH/ FIRE BARRIER WALL UPTO 9M. HIGH	EXTERNAL WALL: SHEETING ABOVE 3M OVER BRICK WALL.	EXTERNAL WALL: SOFFIT OF PROJECTIONS
1.	CABLE VAULT ROOM	●							●				●				●				FLY ASH BRICKS CLADDING IN CEMENT MORTAR	PERMANENT COLOUR COATED SINGLE	PREMIUM ACRYLIC SMOOTH EXTERIOR PAINT WITH SILICON ADDITIVES FINISH
2.	SWAS ROOM					●				●				●						●			
3.	GAS CYLINDER ROOM	●							●				●				●						
4.	INERT GASS ROOM	●							●				●				●						
5.	OTHER AREA	●							●				●				●						
6.	LIFT & STAIR CASE LOBBY							●								●				●			
7.	TOILETS						●				●								●				
8.	AC PLANT	●											●				●						
9.	ELECTRICAL ANNEXE	●											●				●						
10.	WATER ANALYSIS LAB CHEMIST LAB ⚠			●							●												

SCHEDULE OF JOINERY

SYMBOL	SILL LEVEL AT EL.	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT	DESCRIPTION
SD	(+)0.000 (+)0.600	1200	2100	STEEL DOOR - SINGLE SHUTTER
SD	(+)0.000	900	2100	PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR - SINGLE SHUTTER
SD	(+)0.000	750	2100	PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR - SINGLE SHUTTER
FD	(+)0.000	1200	2100	FIRE PROOF DOOR - SINGLE SHUTTER WITH PANIC DEVICE & VISION PANEL 11MM THK INTERLAYERED FIRE RATED GLASS
FD	(+)0.000	2000	2100	FIRE PROOF DOOR - DOUBLE SHUTTER WITH PANIC DEVICE & VISION PANEL 11MM THK INTERLAYERED FIRE RATED GLASS
RS	(+)0.000	10000	7000	ELECTRICALLY OPERATED STEEL ROLLING SHUTTER
RS	(+)0.000	8500	7000	ELECTRICALLY OPERATED STEEL ROLLING SHUTTER
SD	(+)0.900	2000	2100	ANNODISED ALLUMINIUM OPENABLE & PARTLY FIXED GLAZED WINDOW WITH 6 MM THK. REFLECTIVE TOUGHENED GLASS
VT	(+)1.800	600	600	ALUMINUM VENTILATOR
EF	(+)2.500	380ø		EXHAUST FAN
SD	(+)3.900	2000	1200	ANODISED ALUMINIUM FIXED GLAZED WINDOW WITH 6 MM THK. REFLECTIVE TOUGHENED GLASS
SD	(+)0.000	1200	2100	ANODISED ALUMINIUM FRAME DOOR WITH 12 MM THK. REFLECTIVE TOUGHENED GLASS GLAZING

SCHEDULE OF OPENINGS FOR VENTILATION

(FOR LOCATION REFER PLAN) ⚠

SYMBOL	BOTTOM OF OPENING AT EL.	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT
OV1	0.90	1600	3200
OV2	2.00	2100	2100
OV3	0.25	1600	3650
OV4	4.40	2100	1600

SCHEDULE OF OPENINGS FOR ELECTRICAL CABLE TRAYS

(FOR LOCATION REFER PLAN) ⚠

SYMBOL	BOTTOM OF OPENING AT EL.	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT
EO1	3.20	1000	800
EO2	2.35	1600	800

REV	DATE	ALTD	CHD	APPD	REV	DATE	ALTD	CHD	APPD

No.OF REV	DATE	ALTD	CHD	APPD
R1	1/2/20	MK	AK	AKS

REVISED AS PER NTPC COMMENTS VIA TRANSMITTAL NO. 315:3166 DT. 27/04/19.

BHEL-PROJECT ENGINEERING MANAGEMENT(CIVIL)

THIS DRAWING MARKED(✓) IS RELEASED FOR

- ☑ COMMENTS/APPROVAL
- ☐ PLANNING/INFORMATION
- ☐ CONSTRUCTION

STAMP ALL PREVIOUS REVISION AS SUPERSEDED

ISSUED BY	
NAME	ABHAY KUMAR
SIGNATURE	
DATE	1.02.2020

NTPC DRAWING NO: 9585-001-315-PVC-C-0165

CUSTOMER

PATRATU VIDYUT UTPADAN NIGAM LIMITED
(A SUBSIDIARY OF NTPC LTD)

PATRATU SUPER THERMAL POWER PROJECT (3X800 MW)

JOB No. 434

STATUS CONTRACT

DISTRIBUTION

TO

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI

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DEPT CODE		NAME	SIGN	DATE
C	DRN	JAYSI	-SD-	08.04.2019
	DESN	MK	-SD-	08.04.2019
	CHD	AK	-SD-	08.04.2019
	APPD	AKS	-SD-	08.04.2019

TITLE

POWER HOUSE BUILDING

ARCH PLAN & FINISHING SCHEDULE @ EL(+)0.0M UNIT#2

MPL	C&I	MSE	MAUX	ELEC.	CIVIL	DEPT.	SCALE 1:100	DRAWING No. PE-DG-434-611-C038
						SIGN		
						DATE		SHEET 1 OF 1 REV 1

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