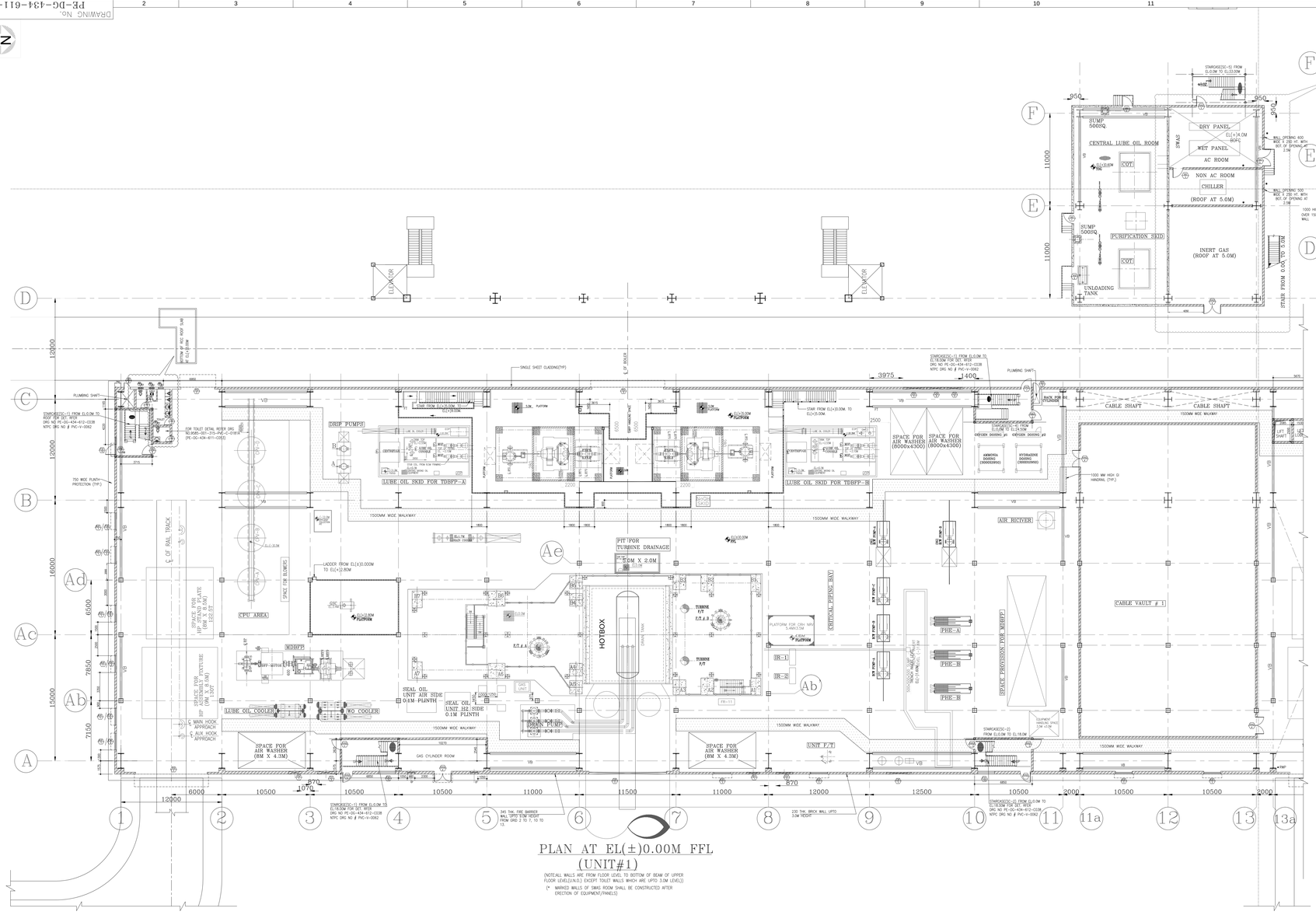
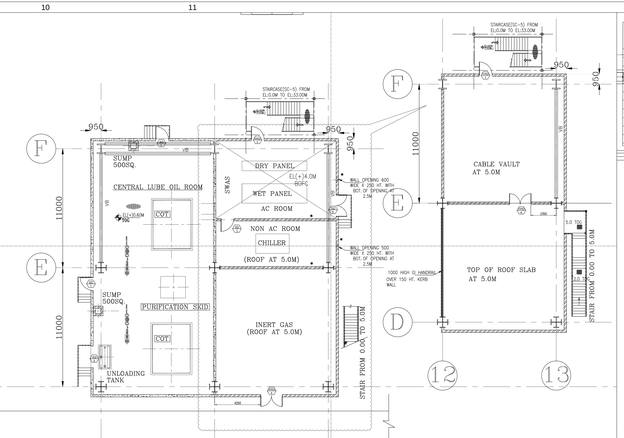
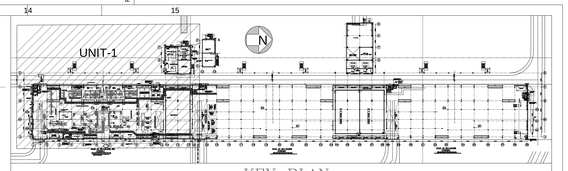
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

DRAWING NO. PE-DG-434-611-C037







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 2)- PLOT PLAN
2. PE-DG-434-100-M003(NTPC DRAWING NO:9585-001-110-PVM-F-049 REV 1) - EQUIPMENT PLAN AT EL 0.0M FLOOR
3. PE-DG-434-100-M007(NTPC DRAWING NO.9585-001-110-PVM-F-053 REV.1) - CROSS SECTION OF MAIN PLANT
4. PE-DG-434-145-I403A(NTPC DRAWING NO.9585-001-405-PVI-F-001) -SWAS ROOM LAYOUT Unit AT EL.(+)0.0M

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)

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

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

– GRATING

– REMOVABLE GRATING

– CHEQUERED PLATE

– REMOVABLE CHEQUERED PLATE

FINISH SCHEDULE

SERIAL NUMBER	AREAS	FLOORING (TOTAL FLOORING THICKNESS = 50MM)							INTERNAL WALLS: SKIRTING		INTERNAL WALLS: DADO		INTERNAL WALLS: PAINTING					CEILING: PAINTING				EXTERNAL WALL		
		CEMENT CONCRETE WITH METALLIC HARDENER TOPPING	CEMENT CONCRETE FLOORING (1:2) WITHOUT METALLIC FLOOR HARDENER	25MM THK. ACID ALKALI RESISTANT TILES (50MM FLOORING THICKNESS)	OIL RESISTANT PAINT(EPOXY BASED) 100 MICRONS OVER PRIMER.	VITRIFIED CERAMIC TILES OF SIZE 600X600(10)	HEAVY DUTY DUST PRESSED CHEQUERED TILES OR NATURAL STONE IN ONE PIECE FOR WASH BASIN PLATFORM	10MM THICK POLISHED MARBLE STONE	150 MM HIGH CEMENT CONCRETE SKIRTING	150 MM HIGH UNPOLISHED VITRIFIED CERAMIC TILES SKIRTING	DESIGNER CERAMIC WALL TILES DADO UPTO FALSE CEILING	ACID ALKALI RESISTANT TILES UPTO 1200 HEIGHT	ACRYLIC DISTEMPER	ACRYLIC EMULSION PAINT	CHEMICAL RESISTANT PAINT	18 THK. POLISHED GRANITE & GLASS MOSAIC TILES UPTO FALSE CEILING HEIGHT	ACRYLIC DISTEMPER EXCEPT METAL DECK AREA	METAL PANEL FALSE CEILING	CALCIUM SILICATE FALSE CEILING.	GI CLIP IN METAL FALSE CEILING IN COMBINATION WITH GRG PANEL	BRICKWORK UPTO 3M HIGH, FIRE BARRIER WALL UPTO 9M HIGH	SHEATHING ABOVE 3M OVER BRICK WALL	SOFFIT OF PROJECTIONS
1.	CABLE VAULT ROOM	●							●				●									FLY ASH BRICKS CLADDING IN CEMENT MORTAR	FERMANENT COLOUR COATED SINGLE	FERMIUM ACRYLIC SMOOTH EXTERIOR PAINT WITH SILICON (ADDITIVES) FINISH
2.	SWAS ROOM					●				●				●							●			
3.	GAS CYLINDER ROOM	●							●				●				●							
4.	INERT GASS ROOM	●							●				●				●							
5.	OTHER AREA	●							●				●				●							
6.	STAIR CASE							●								●								
7.	TOILETS						●				●								●					
8.	LUBE OIL ROOM				●							●			●									

SCHEDULE OF JOINERY

SYMBOL	SILL LEVEL AT EL.	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT	DESCRIPTION
SD 1	(+)0.000 (+)0.600	1200	2100	STEEL DOOR - SINGLE SHUTTER
SD 2	(+)0.000	900	2100	PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR - SINGLE SHUTTER
SD 3	(+)0.000	750	2100	PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR - SINGLE SHUTTER
SD 4	(+)0.000	2000	2500	PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR - SINGLE SHUTTER
FPD 1	(+)0.000	1200	2100	FIRE PROOF DOOR - SINGLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK. TOUGHENED GLASS
FPD 4	(+)0.000	2000	2100	FIRE PROOF DOOR - DOUBLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK. TOUGHENED GLASS
RS 1	(+)0.000	10000	7000	ELECTRICALLY OPERATED STEEL ROLLING SHUTTER
RS 2	(+)0.000	4000	7000	ELECTRICALLY OPERATED STEEL ROLLING SHUTTER
RS 3	(+)0.000	8500	7000	ELECTRICALLY OPERATED STEEL ROLLING SHUTTER
AW 1	(+)0.900	2000	2100	ANNODISED ALLUMINIUM OPENABLE & PARTLY FIXED GLAZED WINDOW WITH 6 MM THK. REFLECTIVE TOUGHENED GLASS
AV 1	(+)1.800	600	600	ALUMINIUM VENTILATOR
EF	(+)2.500	380ø		EXHAUST FAN
FW 3	(+)4.100	2000	3000	ANNODISED ALLUMINIUM FIXED GLAZED WINDOW WITH 6 MM THK. REFLECTIVE TOUGHENED GLASS
FW 10	(+)3.900	2000	1200	ANNODISED ALLUMINIUM FIXED GLAZED WINDOW WITH 6 MM THK. REFLECTIVE TOUGHENED GLASS

SCHEDULE OF OPENINGS FOR VENTILATION
(FOR LOCATION REFER PLAN)

SYMBOL	BOTTOM OF OPENING AT EL.	MASONRY OPENING WIDTH	MASONRY OPENING HEIGHT
OV1	1.00	1500	3100
OV2	2.10	2000	2000
OV3	1.00	2825	3300
OV4	1.00	2103	3014
OV5	4.60	2100	1500

Signature Not Verified
Digitally signed by Ajit Prasad
Date: 2019.03.19 09:41:14 IST
Reason: CAT II
Location: NTPCEOC

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	27 FEBRUARY 2019

NTPC DRAWING NO: 9585-001-315-PVC-C-0164

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
No.OF

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI

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DEPT CODE		NAME	SIGN	DATE
C	DRN	JPAE	–SD–	27.02.2019
	DESN	MK	–SD–	27.02.2019
	CHD	JK	–SD–	27.02.2019
	APPD	AKS	–SD–	27.02.2019

REV	DATE	ALTD	CHD	APPD	REV	DATE	ALTD	CHD	APPD	REV	DATE	ALTD	CHD	APPD

TITLE
POWER HOUSE BUILDING
ARCH PLAN & FINISHING SCHEDULE @ EL(+)0.0M UNIT#1

MPL	C&I	MSE	MAUX	ELEC.	CIVIL	DEPT.
						SIGN
						DATE

SCALE 1:100

DRAWING No. PE-DG-434-611-C037

SHEET 1 OF 1 REV 0

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