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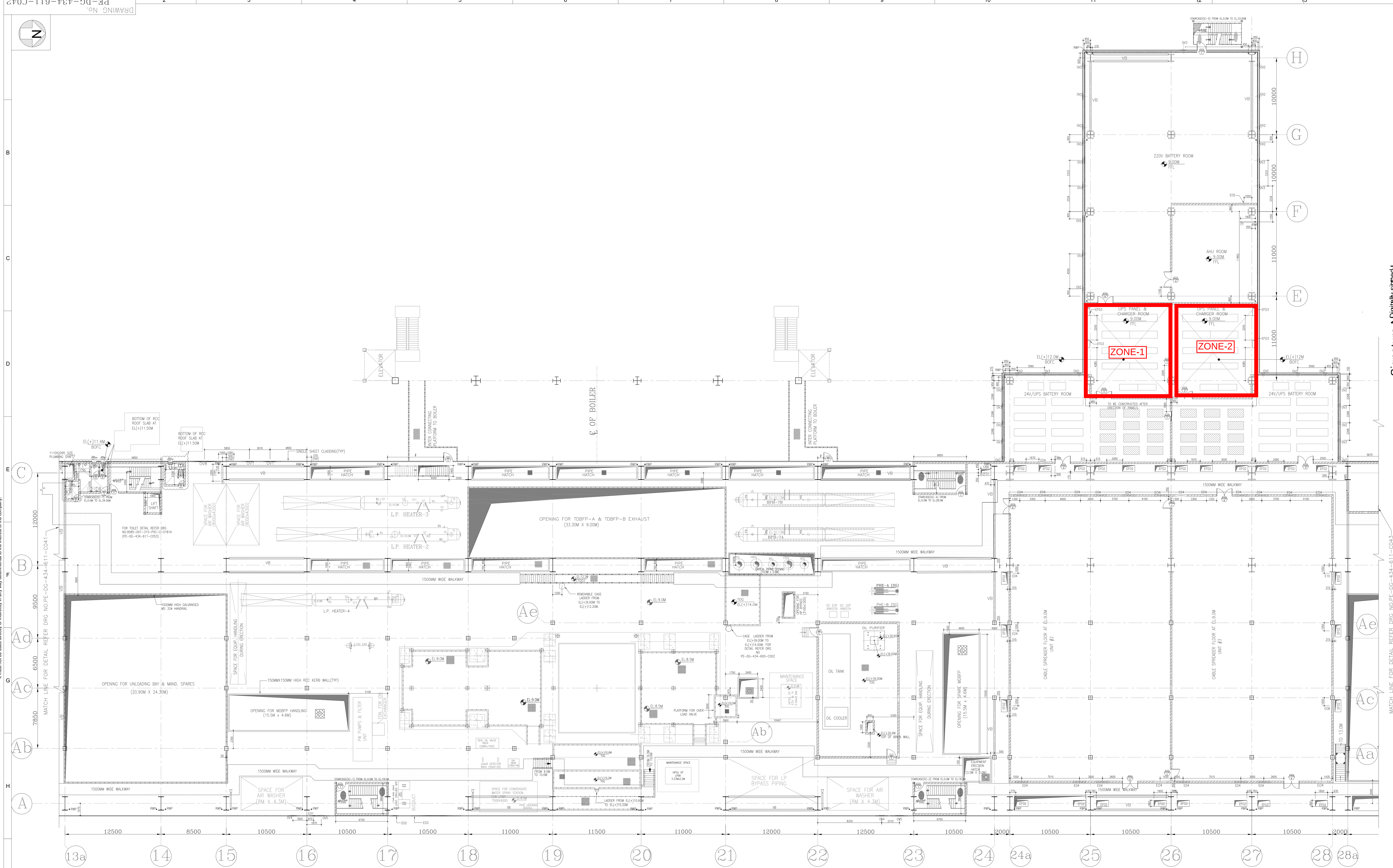
FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

DRAWING No. PE-DG-434-611-C042




# PLAN AT EL(+)9.00M
## (UNIT#2)

(NOTE:ALL WALLS ARE FROM FLOOR LEVEL TO BOTTOM OF BEAM OF UPPER FLOOR LEVEL(U.N.O.) EXCEPT TOILET WALLS WHICH ARE UPTO 11.5M LEVEL))
# MARKED DIMENSION SHALL BE FINALIZED AFTER FINALIZATION OF MECHANICAL PIPING COMPOSITE LAYOUT

## FINISH SCHEDULE

FLOORING (TOTAL FLOORING THICKNESS = 50MM)

| SERIAL NUMBER | AREAS | CEMENT CONCRETE WITH METALLIC HARDENER TOPPING | CEMENT CONCRETE FLOORING (1:1:2) WITH OIL RESISTANT PAINT | 25MM THK. ACID ALAKALI RESISTANT TILES (50MM FLOORING THICKNESS) | 20MM THICK POLISHED MARBLE STONE/ GRANITE STONE. | VITRIFIED CERAMIC TILES 10 MM THK | HEAVY DUTY DUST PRESSED CERAMIC TILES AND GRANITE STONE IN ONE PIECE FOR WASH BASIN PLATFORM.. | 18 TO 20MM THICK POLISHED GRANITE STONE |
|---|---|---|---|---|---|---|---|---|
| 1. | CABLE SPREADER ROOM | ● | | | | | | |
| 2. | EQUIPMENT AREA | ● | | | | | | |
| 3. | UPS PANEL & CHARGER ROOM 24V/UPS BATTERY ROOM | | | | | ● | | |
| 4. | UNLOADING BAY | ● | | | | | | |
| 5. | PASSAGE | ● | | | | | | |
| 6. | OTHER AREA | ● | | | | | | |
| 7. | TOILETS | | | | | | ● | |
| 8. | 220V BATTERY ROOM | | | ● | | | | |
| 9. | OIL ROOM | | ● | | | | | |
| 10. | RCC STAIRCASE | | | | | | | ● |

SKIRTING / INTERNAL WALLS DADO

| SERIAL NUMBER | AREAS | 150 MM HIGH CEMENT CONCRETE SKIRTING | 150 MM HIGH, UNPOLISHED VITRIFIED CERAMIC TILES SKIRTING | 18-20MM THK.POLISHED GRANITE STONE UPTO 1200MM HEIGHT IN COMBINATION WITH GLASS MOSAIC TILES | DESIGNER CERAMIC WALL TILES DADO UPTO 2.1 M. HEIGHT AND ACRYLIC DISTEMPER FOR BALANCE AREA HEIGHT. | 18-20MM THK.POLISHED GRANITE STONE UPTO 1200MM HEIGHT | ACID & ALKALI RESISTANT TILES UPTO 1200MM HEIGHT |
|---|---|---|---|---|---|---|---|
| 1. | CABLE SPREADER ROOM | ● | | | | | |
| 2. | EQUIPMENT AREA | ● | | | | | |
| 3. | UPS PANEL & CHARGER ROOM 24V/UPS BATTERY ROOM | | ● | | | | |
| 4. | UNLOADING BAY | ● | | | | | |
| 5. | PASSAGE | ● | | | | | |
| 6. | OTHER AREA | ● | | | | | |
| 7. | TOILETS | | | | ● | | |
| 8. | 220V BATTERY ROOM | | | | | | ● |
| 9. | OIL ROOM | | | | | | ● |
| 10. | RCC STAIRCASE | | | | | ● | |

INTERNAL WALLS PAINTING / CEILING PAINTING

| SERIAL NUMBER | AREAS | ACRYLIC DISTEMPER (EXCEPT CLADDING AREA) | ACRYLIC EMULSION PAINT | 18-20MM THICK POLISHED GRANITE STONE UPTO FALSE CEILING | CHEMICAL RESISTANT PAINT | ACRYLIC DISTEMPER | GI CLIP IN METAL FALSE CEILING IN COMBINATION WITH GRG PLASTER | CALCIUM SILICATE FALSE CEILING. | CHEMICAL REISTANT PAINT |
|---|---|---|---|---|---|---|---|---|---|
| 1. | CABLE SPREADER ROOM | ● | | | | | | | |
| 2. | EQUIPMENT AREA | ● | | | | | | | |
| 3. | UPS PANEL & CHARGER ROOM 24V/UPS BATTERY ROOM | | ● | | | | ● | | |
| 4. | UNLOADING BAY | ● | | | | | | | |
| 5. | PASSAGE | ● | | | | | | | |
| 6. | OTHER AREA | ● | | | | | | | |
| 7. | TOILETS | | | | | | | ● | |
| 8. | 220V BATTERY ROOM | | | | ● | | | | ● |
| 9. | OIL ROOM | | | | ● | | | | ● |
| 10. | RCC STAIRCASE | | | | | ● | | | |

EXTERNAL WALL

| | |
|---|---|
| BRICKWORK UPTO 3M. HIGH | FLY ASH BRICKS CLADDING IN CEMENT MORTAR |
| SHEETING ABOVE 3M OVER BRICK WALL. | PERMANENT COLOUR COATED SINGLE |
| EXTERIOR FINISH OF BRICKWALL | PREMIUM ACRYLIC SMOOTH ACRYLIC EMULSION PAINT OVER PLASTERED SURFACE. |

## SCHEDULE OF JOINERY

| SYMBOL. | SILL LEVEL AT EL... | MASONRY OPENING WIDTH | MASONRY OPENING HEIGHT | DESCRIPTION |
|---|---|---|---|---|
| SD 1 | (+)9.000 (+)9.600 | 1200 | 2100 | STEEL DOOR - SINGLE SHUTTER |
| FPD 1 | (+)9.000 | 1200 | 2100 | FIRE PROOF DOOR - SINGLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK. TOUGHENED GLASS |
| FPD 3 | (+)9.000 | 1800 | 2700 | FIRE PROOF DOOR - DOUBLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK. TOUGHENED GLASS |
| FPD 4 | (+)9.000 | 2000 | 2100 | FIRE PROOF DOOR - DOUBLE SHUTTER WITH PANIC DEVICE & VISION PANEL 6MM THK. TOUGHENED GLASS |
| SD 2 | (+)9.000 | 900 | 2100 | PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR - SINGLE SHUTTER |
| SD 3 | (+)9.000 | 750 | 2100 | PRESSED STEEL FRAME WITH SOLID CORE FLUSH DOOR - SINGLE SHUTTER |
| ASD 1 | (+)9.000 | 1500 | 2100 | ALUMINIUM FRAMED SLIDING DOOR WITH 12MM THK TOUGHENED GLASS GLAZING |
| AW 1 | (+)9.900 | 2000 | 2100 | ANNODISED ALLUMINIUM OPENABLE & PARTLY FIXED GLAZED WINDOW WITH 6 MM THK. REFLECTIVE TOUGHENED GLASS |
| FW 4 | (+)9.900 | 1500 | 1200 | ANNODISED ALLUMINIUM FIXED GLAZED WINDOW WITH 6MM THK. REFLECTIVE TOUGHENED GLASS |
| AV 1 | (+)10.800 | 600 | 600 | ALUMINIUM VENTILATOR |
| EF | (+)11.500 | 380ø | | EXHAUST FAN |

## SCHEDULE OF ELECTRICAL CABLE TRAY OPENINGS IN WALL/CLADDING
(FOR LOCATION REFER PLAN)

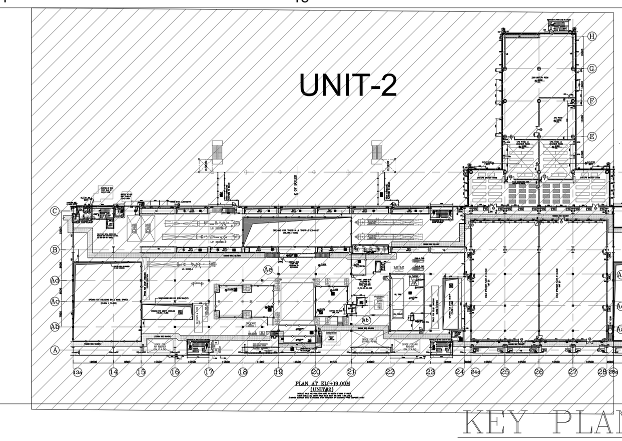
| SYMBOL | BOTTOM OF OPENING AT EL. | MASONRY OPENING WIDTH | MASONRY OPENING HEIGHT |
|---|---|---|---|
| EO1 | 13.50 | 1000 | 500 |
| EO2 | 16.50 | 1000 | 500 |
| EO3 | 11.075 | 6500 | 2250 |
| EO4 | 10.95 | 1600 | 800 |
| EO5 | 10.95 | 1000 | 800 |

## SCHEDULE OF OPENINGS FOR VENTILATION
(FOR LOCATION REFER PLAN)

| SYMBOL | BOTTOM OF OPENING AT EL. | MASONRY OPENING WIDTH | MASONRY OPENING HEIGHT |
|---|---|---|---|
| OV1 | 9.400 | 2000 | 2000 |
| OV1' | 9.400 | 2800 | 2000 |
| OV2 | 9.900 | 900 | 1300 |
| OV3 | 12.500 | 900 | 900 |
| OV4 | 9.550 | 1500 | 3550 |
| OV5 | 11.100 | 2000 | 2000 |
| OV8 | 9.400 | 4800 | 2000 |

## SCHEDULE OF FLOOR OPENINGS FOR ELECTRICAL CABLE TRAYS
(FOR LOCATION REFER PLAN)

| SYMBOL | MASONRY OPENING WIDTH | MASONRY OPENING HEIGHT |
|---|---|---|
| EFO1 | 1300 | 800 |
| EFO2 | 1600 | 800 |
| EFO3 | 1000 | 500 |




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 OTHERWSE.
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.

## [illegible]GINEERING REFERENCE DRAWINGS :-

1. [illegible]434-100-M001(NTPC DRAWING NO: 9585-001-999-POC-F-001 REV 2)- PLOT PLAN
2. [illegible]434-100-M004(NTPC DRAWING NO:9585-001-110-PVM-F-050 REV 1) - EQUIPMENT PLAN AT MEZZANINE FLOOR
3. [illegible]434-100-M007(NTPC DRAWING NO.9585-001-110-PVM-F-053 REV 1) - CROSS SECTION OF MAIN PLANT
4. [illegible]434-145-I405(NTPC DRAWING NO.9585-001-405-PVI-F-003)-UPS BATTERY ROOM LAYOUT

## [illegible]TURAL REFERENCE DRAWINGS :-

1. [illegible]G-434-612-C001(NTPC DRAWING NUMBER: 9585-001-315-PVC-C-0004 REV.2):MAIN POWER HOUSE [illegible]ING-STRUCTURAL FRAMING & COLUMN DETAIL ALONG A ROW (UNIT-1)
2. [illegible]G-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
4. CEILING PLASTER 6MM THICK CEMENT SAND PLASTER (1:4)
5. R.C.C WALL MIN. 12MM THICK CEMENT SAND PLASTER (1:6)

Signature Not Verified
Digitally signed by B. Prasad Date: 2019.01.30 11:21:15 IST Reason: CAT III Location: NTPCEOC
(B. Prasad)

## 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
- - REMOVABLE GRATING
- - CHEQUERED PLATE
- - REMOVABLE CHEQUERED PLATE

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 | 10 JANUARY 2019 |

NTPC DRAWING NO: 9585-001-315-PVC-C-0169

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

PATRATU SUPER THERMAL POWER PROJECT (3X800 MW)

JOB No. 434
STATUS CONTRACT
DISTRIBUTION

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NEW DELHI

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| DEPT CODE | | NAME | SIGN | DATE |
|---|---|---|---|---|
| C | DRN | SD | -SD- | 10.01.2019 |
| | DESN | MK | -SD- | 10.01.2019 |
| | CHD | AK | -SD- | 10.01.2019 |
| | APPD | AKS | -SD- | 10.01.2019 |

| REV | DATE | ALTD | CHD | APPD | REV | DATE | ALTD | CHD | APPD | REV | DATE | ALTD | CHD | APPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

TITLE
POWER HOUSE BUILDING
ARCH PLAN & FINISHING SCHEDULE @ EL(+)9.0M UNIT#2

MPL | C&I | MSE | MAUX | ELEC. | CIVIL | DEPT. SIGN DATE | SCALE 1:100 | DRAWING No. PE-DG-434-611-C042 | SHEET 1 OF 1 | REV 0