


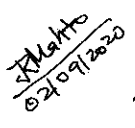

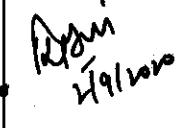


- NOTE:-
(IT IS A CONCEPTUAL PLAN. THE SIZE OF ROOMS CAN VARY AS PER SITE CONDITION)
- CIVIL 1.0**
- 1.1 DRAWING NOT TO SCALE. ALL DIMENSIONS ARE IN mm.
 - 1.2 ALL DIMENSIONS SHOULD BE VERIFIED FROM SITE BEFORE EXECUTION.
 - 1.3 DEPTH AND SIZE OF FOUNDATION SHALL BE BASED ON SITE CONDITIONS.
 - 1.4 THE LEVEL OF BUILDING SHOULD BE KEPT AT LEAST 1m ABOVE RAIL LEVEL.
 - 1.5 WALL THICKNESS=230mm.
 - 1.6 CLEAR HEIGHT OF STRUCTURE FROM FLOOR TO BEAM SHOULD BE 3.5m.
 - 1.7 COLUMN STRUCTURE TO BE ADOPTED, BUT NO COLUMN SHOULD FALL IN BETWEEN RELAY ROOM.
 - 1.8 FALSE CEILING NEED NOT TO BE PROVIDED.
 - 1.9 CABLE DUCT OF 1 TILE X 1 TILE (MINIMUM 20"X20") TO BE PROVIDED IN RELAY ROOM.
 - 1.10 AT BATTERY ROOM PLATFORM FOR BATTERY 800 X 500mm (WIDTH X HEIGHT) SHALL BE PROVIDED.
 - 1.11 FLOORING OF ROOMS OTHER THAN BATTERY ROOM WITH VITRIFIED TILES.
 - 1.12 FLOORING OF BATTERY ROOM TO BE DONE WITH ACID & ALKALI RESISTANT TILES (IS-4457).
 - 1.13 CABLE DUCT SHALL BE PROPERLY PACKED & COVERED AND SAME TYPE OF TILES AS THAT OF THE RELAY ROOM TO BE PROVIDED OVER DUCT AREA ALSO.
 - 1.14 WATER PROOF CEMENT BASED PAINT ON OUTSIDE WALLS & OIL BOUND DISTEMPER ON INSIDE WALLS TO BE USED.
 - 1.15 ALL RCC (M-20) MIX DESIGN, MCC(1:2:4) & PCC(1:3:6).
 - 1.16 CEMENT PLASTER WITH 1:4 CEMENT/SAND TO BE DONE ON WALLS AND ROOF CEILING.
 - 1.17 OPENING OF EXHAUST FANS IN BATTERY ROOM & IPS ROOM TO BE MADE DURING CONSTRUCTION ITSELF ALONG WITH LINTEL PROTECTION & ANTITHEFT ARRANGEMENT.
 - 1.18 OPTIMUM USE OF NATURAL LIGHT SHALL BE ENSURED THROUGH SUITABLE DESIGN OF WINDOWS AS SHOWN.
 - 1.19 ALL REQUIRED HOLES TO BE DONE USING DRILLING MACHINE ONLY. NO WALL TO BE BROKEN WITH HAMMER. AESTHETIC TO BE ENSURED.
 - 1.20 RELAY ROOM WALLS ARE TO BE PROVIDED WITH SUITABLE TILES TO AVOID PERIODIC PAINTING/OPENING.
 - 1.21 WINDOWS SHALL BE PROVIDED WITH ALUMINIUM FRAME WITH SLIDING DOORS. ALL GLASSES TO BE PROTECTED BY EXPANDED METAL.
 - 1.22 DS=STEEL DOORS SIGLE LEAF (SIZE-1.05mX2.10m)
 - 1.23 D=NORMAL WOODEN DOORS SIGLE LEAF (SIZE-1.05mX2.10m).
 - 1.24 D1=PVC DOOR SIGLE LEAF (SIZE-0.75mX2.10m).
 - 1.25 SGW=2.00m X1.20m (SLIDING GLASS WINDOW) WITH GRILL & EXPANDED METAL.
 - 1.26 DSGW=2.00m X1.20m (DOUBLE SLIDING GLASS WINDOW) WITH GRILL & EXPANDED METAL.
 - 1.27 EX=300mm (EXHAUST FAN) WITH LOUVERS.
 - 1.28 MINIMUM 10mm IRON SQUARE BARS SHOULD BE PROVIDED IN GRILLS.
 - 1.29 V= VENTILATOR OF SIZE 1000mmX150mm (WIDTHXHEIGHT) TO BE PROVIDED AT OFC ROOM AT A HEIGHT OF 50cm FROM GROUND LEVEL WITH GRILL AT THE OUTSIDE WALL AND WIREMESH AT INSIDE WALL.
 - 1.30 INCLINED METAL PLATES TO BE SUITABLY PROVIDED INSIDE THE OPENING OF THE VENTILATOR TO AVOID INGRESS OF WATER.

- ELECTRICAL 2.0**
- 2.1 ALL ELECTRICAL FITTINGS PROVIDED SHOULD BE ENERGY EFFICIENT & TO BE EXECUTED STRICTLY AS PER IE RULES.
 - 2.2 ELECTRICAL CABLES FOR INDOOR WIRING SHOULD BE FIRE PROOF GRADE.
 - 2.3 MANUAL CHANGE OVER FACILITY FOR ACs TO BE PROVIDED IN SM ROOM.
 - 2.4 EXHAUST 2 IN EACH ROOM -BATTERY ROOM& IPS ROOM(1 MAIN, 1 STANDBY).
 - 2.5 IT IS TO BE ENSURED THAT POWER SUPPLY FOR ELECTRICAL EQUIPMENTS IN EI/RELAY ROOM IS 100% ON AT SUPPLY & IN OTHER S&T SERVICE BUILDINGS TO BE AT LEAST 50% ON AT SUPPLY.
 - 2.6 TUBE LIGHT SHALL BE DOUBLE TUBE LIGHT TYPE LED OF 18W.
 - 2.7 SYMBOLS REPRESENTS: FAN-, LED LIGHT-, LED TUBE LIGHT-

ROOM	TUBE LIGHT	LED LAMP	CEILING FAN	EX. FAN	PLUG 5A	PLUG 15A	AC 2T
SM ROOM	04	07	02	01	02	02	-
EI ROOM	10	09	04	-	04	04	04(2+2)
IPS ROOM	04	04	02	02	02	02	-
BATTERY ROOM	04	04	02	02	02	02	-
ESM ROOM	04	03	02	-	02	02	-
OFC ROOM	04	02	01	-	02	02	-
OFC BATT. ROOM	04	02	01	02	02	02	-

THIS DRAWING SUPERSEDES TYPICAL DRG NO. 45/15.

TYPICAL 72/2020	TYPICAL DRAWING OF STATION BUILDING FOR EI (UP TO 50 ROUTES)	SECR	CHECKED BY		APPROVED	SH.NO. 1/1
						TYPICAL 72/2020
			(J.K. MAHTO)	(S.D. PRADHAN)	(S.P. VERMA)	(S.K. SOLANKI)
			SSE/D&D/HQ	SSTE/SIG/HQ	Dy.CSTE(G)/HQ	CSE/SECR/BSP