

**Conditions****Civil**

1. Cost of binding wire for tying the steel, wastage, spacers/ chairs and supports for reinforcement in RCC items given above shall stand including the rates quoted by the contractor and shall not be paid separately. All hooks and laps if provided according to the structural drawings or as per instructions of the Engineer-in-charge shall be measured for payment.
2. The items of RCC given above cover both cast-in-situ and precast work. The precast work includes the cost of hoisting and fixing in position, complete in all respects. Precast panels shall be provided with smooth furnishing at no extra cost.
3. Clean washed course and having fineness modulus of 2.5 to 3.4 shall be used for RCC work.
4. Nothing extra shall be paid for making drip of groove of any size or shape or any other moulding in plain concrete, R.C.C. in bricks or plaster work.
5. At the time of laying cement concrete or brick parapet a Jhari shall be kept for laying tar felt treatment if desired by the Engineer-in-Charge and nothing extra shall be paid in this respect.
6. The thickness of reinforced cement concrete shall be measured and paid for as per structural sizes given in structural drawings.
7. The steel shall be issued from the Secretary, S.G.P.C. (Amritsar) Store by weight. The measurement will be made by length and payment made as per standard formula by weight and nothing extra shall be paid on this account.
8. The contractor will return with the prior approval of the Engineer-in-charge, uncut steel bars of full length issued to him over and above the actual requirement, for which credit will be afforded to him at the contractor issue without storage charges.
9. For quality control the contractor shall be required to use nominal mix of cement concrete 1:1/2:2 giving minimum cube strength of not less than 200kg/cm<sup>2</sup> after 28 days curing as per procedure laid down in the relevant I.S. Code. Coarse and fine aggregates shall be properly graded for all the RCC work as per Punjab P.W.D. Specification latest edition as amended from time to time.
10. The vitrified floor tiles used should be RAK, Kajaria, Hindware, Orient, Cengres and Nitko company.
11. The Glaze Tiles should be used Kajaria, Orient, Hindware and Cera.

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**CONDITIONS/NOTES****Public Health**

1. No claim will be entertained in case of any mistake in description/unit of any of item taken in this DNIT whether typographical or in comparison or through over site such mistake, if any, shall be rectifiable at any stage.
2. If any non-agreement item is carried by the contractors on the order of Engineer-in-charge, the same will be paid as per rates approved by the competent authority.
3. The item of work can be increased or decreased or with-drawn by the Engineer-in-Charge at any time keeping in view the requirement of work at site. No objection or claim shall be entertained from the contract on this account.
4. The work shall be carried out as per Punjab PWD Specifications of latest edition as amended from time to time.
5. UPVC pipe and specials finolex, Supream, Astral and Diplast etc.
6. Those UPPC specials which are not manufactured to ISI marked i.e. Cowls, Door piece etc. shall be conforming to ISI specification and from the makes approved in item no.6.
7. The inspection chamber cover and frame shall be used at site weighing 52 Kgs. as per ISI out of makes approved in item no.6.
8. The layout of the sanitary installations can be changed at any stage by the Engineer-in-charge and no claim in this respect will be entertained.
9. CPVC pipe to be used on the work shall be medium class duly ISI marked Vactus, Supream and Astral make
10. All the CPVC specials to be used on the work shall be duly ISI marked of the make any other make with the approval of Engineer-in-Charge.
11. All brass fittings such brass stop cock, peet valve and ball cock shall be duly ISI marked of makes LEADER/ZOOLOTO/KPR/SURAJ/SHIVA or any other reputed make object to the approval of Engineer-in-charge.
12. Only approved brand of CP fitting EXCEL/NOVA/SPECTRUM/KPR/JAL make shall be used subject to the approval of Engineer-in-charge.
13. Rotational moulded polythene water storage tank (Cylindrical Vertical Tanks) shall be duly ISI marked to BIS specifications 1270-1989 or latest ISI quality of SINTEX/DIPLAST/AQUAPLUS/
14. Salt glazed stone ware pipes and specials shall be with spigot and socked joints conforming to ISI specifications No. 651-1980 with the latest amendments.

15. All china ware fixtures to be used on the work shall be of first quality duly ISI marked of the following makes: Hindware/M-CERA/PERRY subject to the approval of makes from Engineer-in-charge.
16. 0.50% water charges will be deducted from the contractor on the total amount of work done if the water arranged/supplied by the SECERTARY, S.G.P.C. (AMRITSAR)
17. Any item of this DNIT can be withdrawn by the Engineer-in-Charge without assigned any reason.
18. A sample house by providing all P.H. amenities will be got approved from the Engineer-in-charge before taking the work in other house.
19. The contracting agencies will supply its Employee Provident Fund Code No. before execution of contract agreement with PPHC and will submit to PPHC clearness certificate from the Regional provident fund Commissioner Authorities from time to time. The final bill and security of the contracting agency will be released only after the contracting agency will supply the final clearness for the project form the Regional Provident Fund Commissioner Authorities.
20. The latest tax as applicable as per instructions of State Government from time to time will be deducted form the running bills/final bills of the contractors.

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**CONDITIONS****Electrical**

- 01 The work shall be carried out strictly in accordance with the Govt. specifications 1985 revised for electrical work in Govt. buildings in the State and to the satisfaction of Engineer-in-Charge.
- 02 All connections to the B.D.B's and I.C. switches shall be made with dowel thimbles/lugs crimped with proper crimping tools.
- 03 The M.C.B's, E.L.C.B's & D.B's should be provided of M.D.S (Legrand)/ Havell's/ Schneider/ HPL makes or any other make as approved by Engineer-in-charge. Make should be Legrand/Schneider/L&T/ABB.
- 04 The junction boxes from where wires lead to B.D.B shall be at least 100 mm deep and 150 high and long enough to accommodate the conduit pipes in a straight line.
- 05 The Bakelite sheets should be provided of Formica/Hylam/ Bloom/ Greenlam make approved by the Engineer-in-Charge.
- 06 Quantity of any item can be increased or decreased if considered necessary during the progress of work.
- 07 The switches, batton holders, ceiling roses and plug-sockets should be provided of fine(Top class)/SSK(Top Line), Pointer(R-21) or anchor (Penta Cherry) make, where modular plate switches/ sockets etc. are to be provided they should also be of Fine/ SSK/ Pointer/ anchor make or as approved by Engineer-in-Charge. SSK and Anchor are acceptable. We have no idea about Pointer. Modular switches/sockets etc should be SSK/Anchor Roma/Legrand/Crabtree.
- 08 M.S boxes for conventional type switches/ sockets shall be made out of 16 SWC thick MS sheet of required sizes.
- 09 M.S boxes for modular type switches/ sockets shall be of make as approved by E-I-C. Boxes for modular switches/sockets shall be 2mm thick GI or Zine Passivaters. MS Boxes are not acceptable.
- 10 The light plug shall be taped from nearby power plug by means of 1.5 sqm. Cable through 20mm dia conduit pipe and max. 2 nos. light plugs can be taped from the power plug. Where there is no power plug separate circuit with 1.5 Sqmm. Cable shall be drawn for feeding the supply to the light plugs. These should be either tapped from nearby lighting circuits or a new circuit should be tapped.
- 11 The M.S fan box should be of size 4-1/2" dia, 4" deep and of 16 SWG thick sheets with M.S rod of 10mm dia (plain sheet) for suspension hook.
- 12 The breaking up and making good of walls ceiling and floors shall be done by the contractor at his own cost and to the entire satisfaction of Engineer-in-Charge of the work. No extra payment will be made for the same.

- 13 Looping in system of wiring shall be adopted for all sub circuit wiring.
- 14 The G.I pipe for earthing purposes for protection of earthing wires should be class “A” water quality.
- 15 PVC insulated copper conductor cable shall be ISI marked of Havell’s/ Polycab/ Venus/ Finolex make or any other make as approved by Engineer-in-Charge. The wires shall be FRLS PVC insulated 1100 volt grade multi strand copper flexible conductor of Havells/Polycab/Finolex/KEI/Skytone.
- 16 Before energizing the system the required tests shall be given by the Contractor so as to find out the installation confirming to the relevant rules/regulations.
- 17 The control switch should not be installed at height less than 120cm from floor level.
- 18 Sheet metal/iron clad switch should be rewirable type below 200 Amp. Rating and H.R.C type for 200 Amp. And onward rating. Rewirable fuses are absolutely no fuses shall be used, MCBs/MCCBs shall be used.
- 19 PVC conduit pipe to be used, shall be of medium quality and ISI marked, as approved by Engineer-in-Charge. Shold be AKG/BEC/Precision/Polyeab makes.
- 20 The connection of earth wire with sheet metal/iron clad switch and branch distribution boards or other metallic cases shall be according to the Indian. Electricity rules and made by means of suitable cab socket/thimbles at the end of earth wire.
- 21 All shutters for covering switches and BDB,s should be as per approved drawings.
- 22 The cost of PVC pipe and accessories like switches and sockets etc. is included in wiring light points, fan points. 5/15 Amp. Plug Control and wall socket, call bell point and double control as such no extra for PVC pipe in this case will be paid.
- 23 SECERTARY, S.G.P.C. (AMRITSAR) can ask to furnish the copy of bill and guarantee certificate of ceiling fans/exhaust fans and tube fittings etc.
- 24 SECERTARY, S.G.P.C. (AMRITSAR) can ask for testing of fan/tube fittings and exhaust fans etc. from any reputed lab. At the cost of agency.

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NOTE:

1. The work shall be carried out as per Punjab P.W.D. Specifications latest editions as amended from time to time and to the entire satisfaction of the Engineer-in-Charge.
2. The quantities given in D.N.I.T. are tentative. These can be increased or decreased or withdrawn at any time keeping in view the scope of work at site and Architectural and Structural drawings and no objection or claim shall be entertained on this account.
3. Any error or omission, if any, in the nomenclature shall be considered corrected/rectified as per C.S.R. & P.W.D. specifications corrected upto date.

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