

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|--------|------|--------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 1 | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In | 66.17 | Cum | 185.00 | 12241.45 |
| 2 | Extra for every additional lift of 1.5 m or part thereof. All types of soils. SOR Item No. 1.6.1 | 15.30 | Cum | 26.50 | 405.45 |
| 3 | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M. SOR | 66.17 | Cum | 65.00 | 4301.05 |
| 4 | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. SOR It. No. 1.18 | 15.36 | Cum | 371.00 | 5698.56 |
| 5 | Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. SOR ITEM NO. 1.19 | 14.43 | Cum | 242.00 | 3492.06 |
| 6 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all | 144.43 | Sqm | 139.00 | 20075.77 |
| 7 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for Window sills, anchor blocks, string course, bends, copings, bed plates and like. SOR Item No. 2.1.3 | 12.01 | Sqm | 184.00 | 2209.84 |
| 8 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Columns, Pillars, Piers and likes-rectangular or square in shape. SOR Item No. 2.1.5 | 176.16 | Sqm | 297.00 | 52319.52 |
| 9 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ). | 200.88 | Sqm | 235.00 | 47206.80 |
| 10 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Beams, lintels, cantilevers & walls. | 255.12 | Sqm | 202.00 | 51534.24 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|---------|------|---------|-----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 11 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for Weather shade, Chhajja, Cornices | 15.30 | Sqm | 294.00 | 4498.20 |
| 12 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for Stair cases of all types excluding spiral and folded plate type, including risers and landings. SOR | 36.96 | Sqm | 230.00 | 8500.80 |
| 13 | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal | 11.30 | Cum | 2659.00 | 30046.70 |
| 14 | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:11/2:3 (1 cement : 11/2 coarse sand : 3 graded stone aggregate 20mm | 82.61 | Cum | 4163.00 | 343905.43 |
| 15 | Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: SOR Item No 3.4 | | | | |
| | Ground Floor Level | 20.18 | Cum | 97.50 | 1967.55 |
| | First Floor Level | 19.42 | Cum | 195.00 | 3786.90 |
| | Terrace Floor Level | 19.42 | Cum | 292.50 | 5680.35 |
| | Terrace Floor Level | 4.55 | cum | 390.00 | 1774.50 |
| 16 | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 500D. | 9976.69 | KG | 54.50 | 543729.61 |
| 17 | Providing and mixing water proofing material in PCC/ RCC work in the proportion recommended by the manufacturer.SOR | 120.00 | Kg | 43.50 | 5220.00 |
| 18 | Providing and laying water proofing treatment in sunken portion of WCs, bathroom, kitchen etc., by applying cement slurry mixed with water proofing cement compound consisting of following applications including surface preparation: i) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. ii) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound@ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.The rate includes treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer | 23.46 | Sqm | 182.00 | 4269.72 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|-------|------|---------|-----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 19 | Grading roof for water proofing treatment with:Cement concrete 1:2:4 (1cement : 2coarse sand : 4graded stone aggregate 20 mm nominal size) . SOR Item No. 4.13.1 | 4.40 | Cum | 3817.00 | 16794.80 |
| 20 | Providing post water proofing treatment against dampness & Seepage in roof, terraces, sunken floor of toilets with reinforced acrylic breathable (polymer content 35%, elongation at break at > 100%) coating consisting of following operations: i) Removing loose material and cleaning the surface. ii) Priming in one coat with water based acrylic emulsion. iii) Three coats with reinforced acrylic breathable polymer. SOR Item No. 4.21 | 88.00 | Sqm | 611.00 | 53768.00 |
| 21 | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 | 74.28 | Cum | 3263.00 | 242375.64 |
| 22 | Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and | | | | |
| | For Ground Floor | 20.08 | Cum | 121.00 | 2429.68 |
| | For First Floor | 20.54 | Cum | 242.00 | 4970.68 |
| | For Second Floor | 20.54 | Cum | 363.00 | 7456.02 |
| | For Terrace Floor | 12.78 | Cum | 484.00 | 6185.52 |
| 23 | Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level: Cement Mortar 1:4 (1 cement : 4 coarse sand). SOR Item. No. 7.11.2 | 26.43 | Sqm | 382.00 | 10096.26 |
| 21 | Extra for half brick work in superstructure above plinth level for every story or part thereof in addition to rate for upto plinth | | | | |
| | For Ground Floor | 8.81 | Sqm | 11.00 | 96.91 |
| | For First Floor | 8.81 | Sqm | 22.00 | 193.82 |
| | For Second Floor | 8.81 | Sqm | 33.00 | 290.73 |
| 22 | Extra for providing and placing in position hopping 25x1.60 mm or 2 Nos 6mm dia MS bars reinforcement at every third course of half brick masonry. SOR item No 7.20 | 26.43 | Sqm | 62.50 | 1651.88 |
| 23 | Providing and fixing flush door shutters, conforming to IS 2202 (Part 1), interior grade, commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering with vertical grains, cross bands and face veneers on both faces | | | | |
| | 35 mm. thick (single leaf). SOR Item No. 8.13.2 | 14.06 | Sqm | 1370.00 | 19262.20 |
| | 30 mm. thick (single leaf). SOR Item No. 8.13.3 | 9.56 | Sqm | 1197.00 | 11443.32 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|--|--------|------|---------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| | 25 mm. thick (double leaf for cupboard shutters with piano type hinges SOR Item No.8.13.5 | 12.60 | Sqm | 1092.00 | 13759.20 |
| 24 | Extra for double leaf shutter instead of single leaf. SOR Item No. 8.15 | 12.60 | Sqm | 52.00 | 655.20 |
| 25 | Providing & fixing 150mm antique/ SS finished brass floor door stopper with rubber cushion and antique/ SS polished MS screw complete to suit the shutter thickness. Twin rubber stopper. | 26 | Each | 77.00 | 2002.00 |
| 26 | Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance $\pm 1\text{mm}$) with wall thickness $2.0\text{mm} \pm 0.2\text{mm}$, corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19mm and $1\text{mm} \pm 0.1\text{mm}$ wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and | 30.00 | Mtr | 196.00 | 5880.00 |
| 27 | Providing and fixing factory made 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mm X 25mm or less as per requirement with an average wall thickness of $1\text{mm} \pm 0.3\text{mm}$. PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimensions 19mm x 19mm is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mmX 11mm. Door shutter shall be reinforced with special polymeric | 10.08 | Sqm | 2583.00 | 26036.64 |
| 28 | Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete: | | | | |
| | 300mm SOR Item No. 8.60.1 | 26.00 | Each | 475.00 | 12350.00 |
| | 250mm SOR Item No. 8.60.2 | 26.00 | Each | 344.00 | 8944.00 |
| | 300X16X5. SOR Item No. 8.61.1 | 13.00 | Each | 54.50 | 708.50 |
| | 250 x10mm SOR Item No. 8.62.1 | 13.00 | Each | 276.00 | 3588.00 |
| | 125 mm SOR Item No. 8.65.1 | 26.00 | Each | 55.50 | 1443.00 |
| 29 | Steel work in tubular (round, square Or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zincchromate primer. Electric resistance or induction butt | 290.05 | Kg | 93.50 | 27119.68 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|--------|-------|--------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 30 | Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer. | 73.50 | KG | 75.00 | 5512.50 |
| 31 | Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer. SOR Item No. 9.15 | 368.10 | KG | 67.50 | 24846.75 |
| 32 | Providing and fixing in position doors, windows and ventilators frames made of cold rolled pressed steel sheet framed profiles made from commercial M.S. Sheets conforming to I.S. 513 of 1973 and as per general specifications of I.S 4351 including hinges jamb, lock jamb, steel butt hinges, base tie, joints mitred and welded with 10cm long legs of size 15x3mm M.S. flat, embedded in cement concrete blocks 15x10x10cm size of grade M-10 or rawl plugs and screws or with fixing clips or with bolts and nuts including neatly compacted filling M-10 cement | | | | |
| | Single rebate/ mullion 100mmx50mm size, 1.25mm thick sheet. SOR Item No. 9.18.3 | 67.60 | Metre | 391.00 | 26431.60 |
| 33 | Providing and fixing stainless wire gauge of average width of aperture 1.56mm with wire of 0.35mm to existing steel door, window shutter frames with necessary M.S. strip beading etc. | 11.58 | Sqm | 791.00 | 9159.78 |
| 34 | Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic | | | | |
| | For fixed portion. SOR Item No. 9.47.1 | 196.32 | KG | 331.00 | 64981.92 |
| 35 | For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately). SOR Item No. 9.47.2 | 93.24 | KG | 338.00 | 31515.12 |
| 36 | Extra for powder coated (minimum 50 micron) aluminium sections instead of anodized. SOR Item No. 9.48 | 289.56 | KG | 27.00 | 7818.12 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|--------|-------|--------|-----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 37 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 5 mm thickness. SOR Item | 24.54 | Sqm | 708.00 | 17374.32 |
| 38 | Filling the gap in between aluminium frame and adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and | 88.22 | Metre | 73.80 | 6510.64 |
| 39 | Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete.SS Grade 304. SOR Item | 216.00 | KG | 525.00 | 113400.00 |
| 40 | Providing gola 75x75 mm in cement concrete 1:2:4 (1cement : 2coarse sand : 4stone aggregate 10mm and down grade) including finishing with cement mortar 1:3 (1cement : 3fine sand) as per standard design : SOR Item No. 10.41 | 31.80 | Mtr | 68.00 | 2162.40 |
| 41 | Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx650 micron thick (0.65mm), finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge sand making and finishing the outlet complete. SOR Item No. 10.42 | 4 | Each | 205.00 | 820.00 |
| 42 | Providing and fixing to the inlet mouth of rain water pipe cast iron grating 150mm diameter and weighing not less than 440 grams. SOR | 4 | Each | 57.00 | 228.00 |
| 43 | Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand). SOR Item No | 254.64 | Sqm | 87.00 | 22153.68 |
| 44 | Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand). SOR Item No. | 486.54 | Sqm | 91.50 | 44518.41 |
| 45 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand). SOR Item No. 11.3.4 | 458.49 | Sqm | 107.00 | 49058.43 |
| 46 | Neat cement punning. SOR Item No. 11.5 | 13.41 | Sqm | 33.00 | 442.53 |
| 47 | Providing and making 18 mm thick plain cement mortar band in cement mortar 1:4 (1 cement : 4 fine sand) per cm width: | | | | |
| | Flush Bands. SOR Item No 11.32.1 | 400.00 | Mtr | 2.50 | 1000.00 |
| | Raised Band SOR Item No 11.32.3 | 400.00 | Mtr | 3.30 | 1320.00 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|--------|------|---------|-----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 48 | Providing and fixing chicken mesh weighting not less than 250 gms/ sqm as per IS : specification in the required width with 40mm long steel nails on vertical and horizontal surface near R.C.C. and brick walls junctions including scaffolding and all lead and lifts etc. complete before plastering upto 10mts in | 141.75 | Sqm | 86.00 | 12190.50 |
| 49 | Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment complete. Size above 200x300mm. SOR Item No. | 72.36 | Sqm | 646.00 | 46744.56 |
| 50 | Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1cement : 4coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. Size 300x300mm. SOR Item No. 12.9.1 | 20.40 | Sqm | 692.00 | 14116.80 |
| 51 | Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments | 232.34 | Sqm | 1151.00 | 267423.34 |
| 52 | 25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm) SOR Item No. | 36.69 | Sqm | 897.00 | 32910.93 |
| 53 | 15mm thick Marble stone tile flooring over 18mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including grinding rubbing and polishing etc. complete. (Area of tile should be 0.18 sqm and above) Raj Nagar plain. | 2.52 | Sqm | 965.00 | 2431.80 |
| 54 | Extra for nosing in steps and treads of Kota stone slab. SOR | 73.80 | Rmt | 69.50 | 5129.10 |
| 55 | 25mm thick Local RAJIM/ Red Flag stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid over & jointed with grey cement slurry mixed with pigments to match the shade of the stone i/c grinding, rubbing and polishing SOR ITEM NO. 12.56 | 12.96 | Sqm | 516.00 | 6687.36 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|--|--------|-------|--------|----------|
| | | | | | |
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 56 | Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm.Plain/ normal coloured precast interlock concrete block.SOR ITEM No. 12.65.1 | 10.00 | Sqm | 436.00 | 4360.00 |
| | | | | | |
| 57 | Providing and fixing precast compressed plain cement concrete edge restraint block of size 500mmx 250mmx 60mm of compressive strength of 200 kg per sq.cm manufactured by electro hydraulically operated block machine by excavated trench of 150mm depth, laid width wise etc. complete.SOR | 10.00 | Metre | 169.00 | 1690.00 |
| | | | | | |
| 58 | Extra for providing edge moulding to 15mm thick stone counters, vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer -in-Charge. Granite work. SOR Item No. 13.19.2 | 10.20 | RM | 172.00 | 1754.40 |
| | | | | | |
| 59 | Extra for making opening of required size & shape for wash basins/kitchen sink in kitchen platform, vanity counters and similar location in marble/Granite/stone work including making necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete. SOR Item No. 13.21 | 6.00 | Each | 253.00 | 1518.00 |
| | | | | | |
| 60 | Mirror polishing on marble work/ Kota stone/ Granite work where ever required to give high gloss finish complete. | | | | |
| | On kitchen platform, sills and similar.SOR ITEM No 13.22.2 | 36.69 | sqm | 207.00 | 7594.83 |
| | | | | | |
| 61 | Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade. On new work (two or more coats). SOR Item No. 14.11.1 | 965.70 | Sqm | 52.50 | 50699.25 |
| | | | | | |
| 62 | Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even. SOR Item No. 14.13 | 965.70 | Sqm | 94.50 | 91258.65 |
| | | | | | |
| 63 | Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm). SOR Item No. | 264.57 | Sqm | 56.00 | 14815.92 |
| | | | | | |
| 64 | Painting on new work (two or more coats) to give an even shade with:Premium synthetic enamel paint. SOR Item No. 14.22.2 | 117.04 | Sqm | 47.00 | 5500.88 |
| | | | | | |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|-------|-------|---------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 65 | Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : White wall hung type. | 6 | Each | 4415.00 | 26490.00 |
| 66 | Providing and fixing 15mm nominal bore unplasticised PVC connection pipe with PTMT nuts and PVC bush of approved quality and colour: 45 CM length. SOR Item No. 18.10.2 | 6 | Each | 66.50 | 399.00 |
| 67 | Providing and fixing CPVC gate valve with knob of approved 25 mm nominal bore SOR ITEM NO. 18.13.1 | 6 | Each | 428.00 | 2568.00 |
| | 40 mm nominal bore SOR ITEM NO. 18.13.3 | 1 | Each | 584.00 | 584.00 |
| 68 | Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : White Oval or round size 550x400mm. SOR Item No. 18.17.5 | 6 | Each | 1605.00 | 9630.00 |
| 69 | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink without drain board as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :410x355 mm bowl depth 165 mm. SOR Item No.18.22.3 | 6 | Each | 4396.00 | 26376.00 |
| 70 | Providing and fixing flexible P.V.C. waste pipe for sink or wash basin. 32 mm dia. SOR Item No.18.25.1 | 6 | Each | 68.50 | 411.00 |
| 71 | Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 | | | | |
| | 75 mm dia pipe. SOR Item No.18.76.1 | 50.00 | Meter | 182.00 | 9100.00 |
| | 110 mm dia pipe. SOR Item No.18.76.2 | 50.00 | Meter | 267.00 | 13350.00 |
| 72 | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings / accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. | | | | |
| (i) | Tee/ Tee with door/ Bend 45°/ Bend 90° | | | | |
| | 75 mm. SOR Item No. 18.77.1.1 | 10 | Each | 113.00 | 1130.00 |
| | 110 mm. SOR Item No. 18.77.1.2 | 10 | Each | 154.00 | 1540.00 |
| (ii) | Vent cove | | | | |
| | 75 mm. SOR Item No. 18.77.3.1 | 10 | Each | 34.00 | 340.00 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|--|--------------|--------------|---------------|----------------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| | 110 mm. SOR Item No. 18.77.3.2 | 10 | Each | 44.00 | 440.00 |
| | | | | | |
| (iii) | Access door cap | | | | |
| | 75 mm. SOR Item No. 18.77.4.1 | 10 | Each | 49.50 | 495.00 |
| | | | | | |
| | 110 mm. SOR Item No. 18.77.4.2 | 10 | Each | 59.00 | 590.00 |
| | | | | | |
| 73 | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Nahani trap 110x75mm. SOR Item No. 18.77.6 | 12 | Each | 90.50 | 1086.00 |
| | | | | | |
| 74 | Providing and fixing UV stabilized Unplasticised PVC pipe clips of approved design to Rigid PVC pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1cement : 4coarse sand) and making good the wall etc. complete. | | | | |
| | 75 mm. SOR Item No. 18.78.1 | 50 | Each | 57.00 | 2850.00 |
| | | | | | |
| | 110 mm. SOR Item No. 18.78.2 | 50 | Each | 61.00 | 3050.00 |
| | | | | | |
| 75 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in | | | | |
| | 20 mm nominal outer dia .Pipes.SOR Item No.19.4.2 | 10.00 | Meter | 151.00 | 1510.00 |
| | | | | | |
| | 25 mm nominal outer dia .Pipes.SOR Item No.19.4.3 | 50.00 | Meter | 199.00 | 9950.00 |
| | | | | | |
| 76 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. CONCEALED WORK including cutting chases | | | | |
| | 15 mm nominal outer dia. Pipes. SOR Item No. 19.5.1 | 15.00 | Meter | 133.00 | 1995.00 |
| | 20mm nominal outer dia. Pipes. SOR Item No. 19.5.2 | 30.00 | Meter | 167.00 | 5010.00 |
| | | | | | |
| 77 | Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including excavation of trenches, refilling the same and testing of joints complete: | | | | |
| | 50 mm dia. nominal bore. SOR Item No. 19.9.6 | 25.00 | Metre | 398.00 | 9950.00 |
| | | | | | |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|--|---------|-------|---------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 78 | Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass | | | | |
| | Long body bib cock (500 grams) SOR Item No.19.14.3 | 6 | Each | 426.00 | 2556.00 |
| | Piller Cock (400 grams) SORE Item No.19.14.4 | 6 | each | 398.00 | 2388.00 |
| | Two way bib cock (800 grams). SOR Item No. 19.14.5 | 6 | each | 708.00 | 4248.00 |
| | Angle valve for basin mixer and geyser points (450 grams). SOR Item No. 19.14.7 | 6 | Each | 382.00 | 2292.00 |
| | Wall mixer with elegant knob (1400 grams). SOR Item No. 19.14.10 | 6 | Each | 1787.00 | 10722.00 |
| | Shower rose (revolving type) (150mm). SOR Item No. 19.14.15 | 6 | Each | 269.00 | 1614.00 |
| | Health foscet (hand jet) with flexible connection pipe (for WC) SOR Item No.19.14.19 | 6 | Each | 774.00 | 4644.00 |
| | Providing and fixing stainless steel drain jali of approved make/quality. SOR Item No.19.15 | 4 | each | 51.00 | 204.00 |
| | Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore. SOR Item No.19.17.2 | 1 | Each | 394.00 | 394.00 |
| 79 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. SOR Item | 1000.00 | Ltr | 7.30 | 7300.00 |
| 80 | Cutting holes more than 20x20 cm and upto 30x30 cm in walls including making good the same : SOR Item No. 19.43 | 10 | Each | 125.00 | 1250.00 |
| 81 | Cutting holes upto 15x15cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1cement : 2coarse sand : 4 graded stone aggregate 20 mm nominal size) including finishing complete so as to make it leak proof. SOR Item No. 19.44 | 10 | Each | 94.00 | 940.00 |
| 82 | Providing and laying below ground unplasticised PVC pipe to with stand working pressure of 4 kg/cm2 soild waste pipes confirming to IS:13592 and IS:4985 including jointing with seal ring confirming to IS :5282 leaving 10mm gap for thermal expansion all necessary fittings etc. complete. Excavation to be paid seperately. 110 mm diameter OD (min. wall thickness | 35.00 | Meter | 234.00 | 8190.00 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|--|-------|-------|---------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 83 | Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) all-round PVC. pipes including bed concrete as per standard design: 110 mm diameter PVC. Pipe MPPWDSOR it 19.5.1 | 35.00 | Meter | 576.00 | 20160.00 |
| 84 | Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with well burnt modular clay bricks crushing strength not less than 35kg/cm ² , water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100x100 mm size P type. SOR Item No. 20.3.1 | 4.00 | Each | 1339.00 | 5356.00 |
| 85 | Providing and constructing brick masonry chamber for underground pipe and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm ² in cement mortar 1:4 (1 cement : 4 coarse sand) RCC cover of suitable size and 75mm thick with 1:1.5:3 mix (1 cement :1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) including reinforcement 8mm dia bars at 150mm both ways and MS hooks for lifting, including foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mmthick with cement mortar 1:3 (1 cement : 3 coarse sand) | | | | |
| | Inside dimensions 600x 850 mm and 45 cm deep for pipe line with three or more inlets. SOR Item No 20.29.3 | 3 | Each | 2619.00 | 7857.00 |
| 86 | Wiring for light/ fan/ exhaust fan/ call bell point with 3x1.5 Sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2mm) with 5/6 amp modular switch, modular base and cover plate, suitable size G.I. box as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5) | | | | |
| | Light point / Exhaust fan point / Call bell point :- | | | | |
| | Short Point. SOR ITEM NO. 1.7.1 | 18 | Point | 266.00 | 4788.00 |
| | Medium Point. SOR ITEM NO. 1.7.2 | 37 | Point | 424.00 | 15688.00 |
| | Long Point . SOR ITEM NO. 1.7.3 | 37 | Point | 588.00 | 21756.00 |
| 87 | Wiring for twin control light point with 3x1.5 Sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp modular switch, modular base and cover | 6 | Point | 333.00 | 1998.00 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|------|-------|--------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 88 | Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with modular type3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I. box etc. as per specification and IS: 694 | 25 | Point | 216.00 | 5400.00 |
| 89 | Wiring for light plug point with 3x2.5 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type6 Amp switch and 3 pin6 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 | | | | |
| | Short Point . SOR ITEM NO. 1.10.1 | 6 | Point | 266 | 1596.00 |
| | Long Point. SOR ITEM NO. 1.10.3 | 6 | Point | 922.00 | 5532.00 |
| 90 | Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with modular type 16 Amp switch and 6 pin 16 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size wire etc. as per specification and IS: 694 | | | | |
| | Extra Long Point I .SOR ITEM NO. 1.11.4 | 6 | Point | 1807 | 10842.00 |
| 91 | Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5). SOR ITEM NO. 1.13 | | | | |
| | 3 X 1.5 sq. mm in 20mm conduit. SOR ITEM NO. 1.13.1 | 80 | Metre | 92.00 | 7360.00 |
| | 3 X 2.5 sq. mm in 20mm conduit. SOR ITEM NO. 1.13.2 | 70 | Metre | 111.00 | 7770.00 |
| | 6 X 2.5 sq. mm in 25mm conduit.SOR ITEM NO. 1.13.3 | 20 | Metre | 172.00 | 3440.00 |
| | 3 X 6 sq. mm in 25mm conduit. SOR ITEM NO. 1.13.7 | 80 | Metre | 182.00 | 14560.00 |
| 92 | Supplying and fixing of following sizes FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with accessories in concealed complete as per specification and IS: 9537 (2000 Part 5). SOR ITEM NO. 1.15. | | | | |
| | 20 mm. SOR ITEM NO. 1.15.1 | 20 | Metre | 42.00 | 840.00 |
| | 25 mm. SOR ITEM NO. 1.15.2 | 30 | Metre | 53.00 | 1590.00 |
| 93 | Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as per | | | | |
| | Fan regulator (two module size) electronic stepped type moving all rounds SOR ITEM NO. 5.4.9 | 6 | Each | 223.00 | 1338.00 |
| | T.V. antenna socket outlet. SOR ITEM NO. 5.4.16 | | | | |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|------|------|---------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| | Blanking plate. SOR ITEM NO. 5.4.23 | 4 | Each | 28.00 | 112.00 |
| | | | | | |
| 94 | Providing and fixing round/ hexagonal fan box (125mm dia) depth 75mm (max.) with 12mm dia steel bar hook, 1.6mm thick MS sheet cover, in RCC slab etc. as per specification. SOR | 12 | Each | 42.50 | 510.00 |
| | | | | | |
| 95 | Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments. | | | | |
| | 1200 mm sweep. SOR ITEM NO. 6.1.3 | 6 | Each | 1697.00 | 10182.00 |
| | | | | | |
| 96 | Supplying, installation, testing and commissioning of following sizes fancy exhaust fan having built in louvers in existing opening in wall including earthing etc. complete as per specification. P.F. should be greater than 0.9 | | | | |
| | 225 mm sweep . SOR ITEM NO. 6.8.1 | 6 | Each | 1161.00 | 6966.00 |
| | | | | | |
| 97 | Providing and fixing phenolic laminated sheet cover of 180 mm dia 3 mm thick on the fan box etc. as per specification. (If provided at the time of installation of ceiling fan). SOR ITEM | 12 | Each | 56.00 | 672.00 |
| | | | | | |
| 98 | Supplying, installation, testing and commissioning of following LED fitting (luminaries) panel light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should | | | | |
| | 6 Watt . SOR ITEM NO. 6.15.2 | 6 | Each | 490.00 | 2940.00 |
| | 15/16 Watt. OR ITEM NO. 6.15.5 | 7 | Each | 679.00 | 4753.00 |
| | 18/20 Watt . SOR ITEM NO. 6.15.6 | 2 | Each | 868.00 | 1736.00 |
| | | | | | |
| 99 | Supplying, installation, testing and commissioning of following LED tube light fitting including batten with Electronic Driver Heat sink Capacitor complete with all other accessories on surface/ in false ceiling, including connection, earthing etc complete as per specification and IP20, P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt. | | | | |
| | 18/20 watt (4 feet}. SOR ITEM NO. 6.19.3 | 12 | Each | 443.00 | 5316.00 |
| | | | | | |
| 100 | Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of diecast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than | | | | |
| | 25 watt. SOR ITEM NO. 6.28.3 | 5 | Each | 1539.00 | 7695.00 |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|--|------|-------|---------|----------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 101 | Providing and fixing porcelain re-wireable fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as per specification. (Thimbeling shall be paid separately). SOR ITEM NO. 7.11 | | | | |
| | 63 amps. SOR ITEM NO. 7.11.1 | 3 | Each | 160.00 | 480.00 |
| 102 | Fabrication, supply, installation, testing and commissioning of cubicle type compartmentalized wall/ floor mounted power cum control panel board of specified size and following depth made out of not less than 2 mm thick CRCA MS powder coated sheet with suitable size compartments for busbars, switchgears and necessary cutouts for voltmeters, ammeters etc as per specifications including powder coating painting but without busbars, switchgears and other accessories etc complete as per | | | | |
| | Upto 300 mm deep. SOR ITEM NO. 7.19.1 | 2.0 | sqm | 6818.00 | 13636.00 |
| 103 | Supply, installation, testing and commissioning of 4 pole (3 phase -r neutral) copper (electric grade) bus bars in existing cubicle type compartmentalized wall/ floor mounted panel board along with suitable size and | | | | |
| | 100 amp (20x3mm). SOR ITEM NO. 7.21.1 | 0.8 | Metre | 1319.00 | 1055.20 |
| 104 | Supplying and fixing on surface/ recess following way, 240 volts SP&N MCB distribution board of sheet steel phosphatized and powder painted complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, including interconnections, earthing etc. as per specification. (But without | | | | |
| | 4 way, Double door. SOR ITEM NO. 9.2.5 | 6 | Each | 784.00 | 4704.00 |
| 105 | Supplying and fixing on surface/ recess vertical type following way, 415 volts, TPN MCB distribution board of sheet steel phosphatized and powder painted, with 200 amps tinned copper busbar, common neutral link, earth bar, din bar, detachable gland/ knock out plate, including interconnections, earthing etc. as per specification. (But without MCB/RCCB/Isolator) (Note: Vertical type MCB TPDB is normally used where 3 phase | | | | |
| | 4 way (4+12), double door SOR ITEM NO. 9.5.4 | 1 | Each | 4149.00 | 4149.00 |
| 106 | Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as per specification. | | | | |
| | 6 Amp to 32 Amp Rating. SOR ITEM NO. 9.11.2 | 15 | Each | 148.00 | 2220.00 |
| 107 | Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, | | | | |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|---|------|-------|---------|---------|
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| BILL OF QUANTITIES | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| | 6 amps to 32 amps. SOR ITEM NO. 9.12.2 | 6 | Each | 411.00 | 2466.00 |
| | | | | | |
| 108 | Supplying and fixing following rating, 240 volts TWO POLE ISOLATOR in the existing MCB DB complete with connections, testing and commissioning | | | | |
| | 40 amps. SOR ITEM NO. 9.19.2 | 6 | Each | 264.00 | 1584.00 |
| | | | | | |
| 109 | Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as per | | | | |
| | 6 amps to 32 amps SOR ITEM NO. 9.16.2 | 2 | Each | 883.00 | 1766.00 |
| | | | | | |
| 110 | Supplying and fixing following rating, 415 volts, FOUR POLES, ISOLATOR in the existing MCB DB complete with connections, testing and commissioning etc. as per specification. SOR ITEM NO. 9.20 | 1 | Each | 621.00 | 621.00 |
| | | | | | |
| 111 | Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as per specification. SOR ITEM NO. | 4 | Each | 7.00 | 28.00 |
| | | | | | |
| 112 | Providing and fixing following capacity TP&N disconnector fuse switch unit inside the existing cubicle panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, testing and commissioning etc as per specification. (Connecting lead if required shall be paid | 1 | Each | 1530.00 | 1530.00 |
| | | | | | |
| 113 | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having | 1 | Each | 3734.00 | 3734.00 |
| | | | | | |
| 114 | Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as per specification. SOR ITEM | 10 | metre | 116.00 | 1160.00 |
| | | | | | |
| 115 | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ concealed conduit/ submain wiring/ cable as per specification. SOR ITEM NO. | 160 | Metre | 19.00 | 3040.00 |
| | | | | | |
| 116 | Supplying and laying following size medium class G.I. pipe in ground below road, path etc at a depth not less than 40 cm and upto 90 cm including excavation, dismantling of road if required and refilling the trench with excavated material, ramming and making the surface good etc. as required. SOR ITEM NO. | | | | |
| | 80 mm internal dia. SOR ITEM NO. 14.3.2 | 4 | Metre | 527.00 | 2108.00 |
| | | | | | |

| NAME OF WORK : PROPOSED INVESTIGATION OFFICER'S RESIDENTIAL BARRACK AT POLICE STATIONS FOR CHHATTISGARH POLICE | | | | | |
|--|--|------|-------|--------|------------|
| | | | | | |
| CLIENT - CHHATTISGARH POLICE HOUSING CORPORATION LIMITED | | | | | |
| | | | | | |
| BILL OF QUANTITIES | | | | | |
| | | | | | |
| NO | PARTICULARS OF ITEM | QTY. | UNIT | RATE | AMOUNT |
| 117 | Supplying and fixing G.I. pipe along with wall or pole/ support with 2 Nos MS clamps for protection of under ground cable in approved manner including bolts and nuts or metal dash fasteners complete as required. SOR ITEM NO. 14.5 | | | | |
| | 80mm SOR ITEM NO. 14.5.5 | 6 | Metre | 625.00 | 3750.00 |
| | | | | | |
| 118 | Supplying and fixing G.I. pipe along with wall or pole/ support with 2 Nos MS clamps for protection of under ground cable in approved manner including bolts and nuts or metal dash fasteners complete as per specification. SOR ITEM NO. 14.5 | | | | |
| | 75 mm outer dia and 60 mm Inner dia SOR ITEM NO. 14.1.2 | 15 | Metre | 203.00 | 3045.00 |
| | | | | | |
| 119 | Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode at 0.5 Metre depth below ground level including excavation and refilling the trench etc. as | 6 | Metre | 345.00 | 2070.00 |
| | | | | | |
| 120 | Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and | | | | |
| | 4 x 16 sq. mm. SOR ITEM NO. 15.1.23 | 20 | Metre | 300.00 | 6000.00 |
| | | | | | |
| 121 | Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade in existing RCC/ HUME/ STONEWARE/ METAL/ HDPE pipe as required. SOR | | | | |
| | 4 x 16 sq. mm. SOR ITEM NO. 15.3.23 | 40 | Metre | 103.00 | 4120.00 |
| | | | | | |
| 122 | Supplying and laying following sizes one number FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade on surface/ existing cable tray with 1 mm thick GI saddle as per specification, IS: 1554 (1988, Part 1)/ IS: 7098 (1988, Part 1). SOR ITEM NO. | | | | |
| | 2 x 4 sq. mm . SOR ITEM NO. 15.5.1 | 70 | Metre | 92.00 | 6440.00 |
| | | | | | |
| 123 | Supplying and fixing water tight terminal box made of 1.6mm thick M.S. sheet with detachable gland plate in bottom, hinged front open able cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 40x3mm M.S. flat with 2 No nut bolt dully painted with 2 coat of red oxide paint | | | | |
| | 20x15x15 cms. SOR ITEM NO. 19.16.1 | 4 | Each | 699.00 | 2796.00 |
| | | | | | |
| | SUB TOTAL | | | | 3055287.88 |
| | | | | | |