

NAME OF WORK : PROPOSED M.T. OFFICE/WORKSHOP FOR CHHATTISGARH POLICE DEPARTMENT					
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 all types of soils. SOR Item No. 1.1.1	106.50	Cum	185.00	19702.50
2	Extra for every additional lift of 1.5 m or part thereof. All types of soils. SOR Item No. 1.6.1	24.76	Cum	26.50	656.14
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	106.50	Cum	65.00	6922.50
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.	25.71	Cum	371.00	9538.41
5	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	522.28	Sqm	139.00	72596.92
6	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,	2.44	Sqm	184.00	448.96
7	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	187.91	Sqm	297.00	55809.27
8	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	13.09	Sqm	235.00	3076.15
9	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:	86.69	Sqm	202.00	17511.38
10	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels,	4.77	Sqm	294.00	1402.38

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NO	PARTICULARS OF ITEM	QTY.	UNIT	RATE	AMOUNT
11	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	23.32	Cum	2659.00	62007.88
12	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	55.50	Cum	4163.00	231046.50
13	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				
	Ground/Stilt Floor Level	17.40	Cum	97.50	1696.50
14	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	5168.30	KG	54.50	281672.35
15	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	54.33	Cum	3263.00	177278.79
16	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate				
	For Ground/Stilt Floor	42.93	Cum	121.00	5194.53
17	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	20.63	Sqm	382.00	7880.66
18	Extra for half brick work in superstructure above plinth level for every story or part thereof in addition				
	For Ground Floor	20.63	Sqm	11.00	226.93
19	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	20.63	Sqm	62.50	1289.38
20	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply				
	35 mm. thick (single leaf). SOR Item No. 8.12.2	7.79	Sqm	2005.00	15618.95

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NO	PARTICULARS OF ITEM	QTY.	UNIT	RATE	AMOUNT
21	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured). SOR ITEM No	7.18	Sqm	46.00	330.28
22	Supplying and fixing rolling shutter of approved makes made of M.S. laths interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and out side locking with push and pull	51.24	Sqm	1691.00	86646.84
23	Providing and fixing 27.5cm long wire spring for rolling shutters.SOR Item No.9.28	6.00	each	362.00	2172.00
24	Providing and fixing M.S. sheet top cover for rolling shutter 1.25mm thick.SOR Item No.9.29.1	10.98	Sqm	540.00	5929.20
	Providing and fixing ball bearing for rolling	6.00	each	432.00	2592.00
	Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc.	1.00	each	67.00	67.00
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	4	Each	77.00	308.00
26	Providing and fixing stainless steel sliding door bolts with 16mm rod, 2.5mm thick flap, necessary stainless				
	300mm SOR Item No. 8.137.1	5	each	238.00	1190.00
	250mm SOR Item No. 8.137.2	5	each	228.00	1140.00
27	Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc				
	250 x10mm. SOR Item No. 8.139.1	5	each	97.00	485.00
28	Providing and fixing stainless steel door handles having flap thickness 2.5mm, necessary stainless steel screws etc complete. 125 mm. SOR Item No. 8.140.2	5	Each	22.50	112.50
29	Providing and fixing factory made UPVC door frame made of UPVC profile section having an overall dimension as below (tolerance ± 1 mm) with wall thickness 2.0mm ± 0.2 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 1mm ± 0.1 mm wall thickness and 3	4.95	Mtr	196.00	970.20

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NO	PARTICULARS OF ITEM	QTY.	UNIT	RATE	AMOUNT
30	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 1mm \pm 0.3mm. 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	1.38	Sqm	2583.00	3564.54
31	Steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide	100.00	Kg	66.00	6600.00
32	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	6097.36	Kg	93.50	570103.16
33	Extra for hoisting trusses and placing in position over height above 5m for every 2.5 m height or part	5547.36	Kg	2.70	14977.87
34	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	87.75	KG	67.50	5923.13
35	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				
	Single rebate/ mullion 100mmx50mm size, 1.25mm thick sheet. SOR Item No. 9.18.3	20.90	Metre	391.00	8171.90

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NO	PARTICULARS OF ITEM	QTY.	UNIT	RATE	AMOUNT
36	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	1.46	Sqm	791.00	1154.86
37	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				
	For fixed portion. SOR Item No. 9.47.1	46.80	KG	331.00	15490.80
38	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	14.40	KG	338.00	4867.20
39	Extra for powder coated (minimum 50 micron) aluminium sections instead of anodized. SOR Item	61.20	KG	27.00	1652.40
40	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	5.85	Sqm	708.00	4141.80
41	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	28.20	Metre	73.80	2081.16
42	Supply and fixing of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts	198.12	Sqm	636.00	126004.32

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43	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 :	11.40	Mtr	68.00	775.20
44	Providing and making 6mm thick cement plaster of mix:	20.31	Sqm	87.00	1766.97
45	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand).	285.33	Sqm	91.50	26107.70
46	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	366.12	Sqm	107.00	39174.84
47	Providing and making 18 mm thick plain cement mortar band in cement mortar 1:4 (1 cement : 4 fine				
	Sunk Bands SOR Item No 11.32.2	25.00	Mtr	3.00	75.00
	Raised Band SOR Item No 11.32.3	25.00	Mtr	3.30	82.50
	DRIP COURSE. SOR Item No. 11.32.4	16.80	Mtr	18.50	310.80
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	74.76	Sqm	86.00	6429.36
49	52 mm thick cement concrete flooring with under layer of 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer of 12 mm thick cement metallic hardener concrete mix 1:2 (1 cement hardener mix : 2 stone aggregate of 6 mm size by volume) with metallic hardening compound of	75.60	Sqm	441.00	33339.60
50	Extra for making chequers of approved pattern on cement concrete flooring, landing, pavement etc.	75.60	Sqm	16.00	1209.60
51	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	7.20	Sqm	646.00	4651.20

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52	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.,	2.69	Sqm	692.00	1861.48
53	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	96.72	Sqm	897.00	86757.84
54	KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of	17.34	Sqm	990.00	17166.60
55	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	373.68	Sqm	56.00	20926.08
56	Painting on new work (two or more coats) to give an even shade with:Premium synthetic enamel paint.	109.58	Sqm	47.00	5150.26
57	Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required : White Orissa	1	Each	2899.00	2899.00
58	Providing and fixing 15mm nominal bore uplasticised PVC connection pipe with PTMT nuts and PVC bush of approved quality and colour: 45 CM length. SOR Item	1	Each	66.50	66.50
59	Providing and fixing CPVC gate valve with knob of				
	25 mm nominal bore MP PWD SOR it 18.34.1	1	Each	385.20	385.20
	40 mm nominal bore SOR it 18.34.3	1	Each	525.60	525.60

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60	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	1	Each	1430.00	1430.00
61	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin. 32 mm dia. SOR Item No.18.25.1	1	Each	68.50	68.50
62	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 65 mm nominal bore SOR Item No. 18.32.5	1	Each	1205.10	1205.10
63	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				
	75 mm dia pipe. SOR Item No.18.76.1	5.00	Meter	182.00	910.00
	110 mm dia pipe. SOR Item No.18.76.2	5.00	Meter	267.00	1335.00
64	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				
	"P" trap 110mmx110mm long . SOR Item No.18.77.5	1	Each	227.00	227.00
65	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	1	Each	90.50	90.50
66	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				
	20 mm nominal outer dia .Pipes.SOR Item	10.00	Meter	151.00	1510.00
	25 mm nominal outer dia .Pipes.SOR Item	10.00	Meter	199.00	1990.00

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67	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				
	20mm nominal outer dia. Pipes. SOR Item No. 19.5.2	3.00	Meter	167.00	501.00
68	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:				
	40 mm dia. nominal bore. SOR Item No. 19.9.5	2.00	Meter	308.00	616.00
	50 mm dia. nominal bore. SOR Item No. 19.9.6	5.00	Meter	398.00	1990.00
70	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931				
	Bib cock (400 grams). SOR Item No. 19.14.1	1	Each	382.00	382.00
	Stop cock (concealed) (600 grams). 15 mm nominal bore SOR Item No. 19.14.6	1	Each	494.00	494.00
	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
71	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	500.00	Ltr	7.30	3650.00
72	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	10.00	Meter	234.00	2340.00
73	Providing and laying cement concrete 1:3:6 (1cement: 3sand: 6 graded stone aggregate 20 mm nominal size) all-round PVC. pipes including bed concrete as per standard design: 110 mm diameter PVC. Pipe. MP PWD New SOR	10.00	Meter	576.00	5760.00
74	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/cm2, 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	1	Each	1339.00	1339.00

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75	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				
	Inside dimensions 450x600 mm and 45 cm deep for single pipe line SOR Item No 20.29.1	1.00	Each	1530.00	1530.00
76	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				
	Light point / Exhaust fan point / Call bell point :-				
	Short Point. SOR ITEM NO. 1.7.1	11.00	Point	266.00	2926.00
	Medium Point. SOR ITEM NO. 1.7.2	10.00	Point	424.00	4240.00
	Long Point . SOR ITEM NO. 1.7.3	23.00	Point	588.00	13524.00
77	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 type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of base and cover plate and G. I.	11	Point	216.00	2376.00
78	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				
	Medium Point. SOR ITEM NO. 1.11.2	1	Point	942	942.00
	Long Point . SOR ITEM NO. 1.11.3	2	Point	1350	2700.00
	Extra Long Point I. SOR ITEM NO. 1.11.4	1	Point	1807	1807.00
	Extra Long Point II SOR ITEM NO. 1.11.5	1	Point	2315.00	2315.00
	Extra Long Point III SOR ITEM NO. 1.11.6	1	Point	2825.00	2825.00

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79	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				
	3 X 1.5 sq. mm in 20mm conduit. SOR ITEM NO.	150	Metre	92.00	13800.00
	3 X 2.5 sq. mm in 20mm conduit. SOR ITEM NO.	70	Metre	111.00	7770.00
	6 X 2.5 sq. mm in 25mm conduit. SOR ITEM NO.	20	Metre	172.00	3440.00
	3 X 6 sq. mm in 25mm conduit. SOR ITEM NO.	20	Metre	270.00	5400.00
	6 X 10 sq. mm in 40mm conduit. SOR ITEM NO.	10	Metre	515.00	5150.00
80	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				
	20 mm. SOR ITEM NO. 1.15.1	50	Metre	42.00	2100.00
	25 mm. SOR ITEM NO. 1.15.2	80	Metre	53.00	4240.00
81	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, multi strand wire in the existing surface/ concealed, FRLS PVC				
	3 x 1.5 sq. mm. SOR ITEM NO. 3.11.3.	30	Metre	44.50	1335.00
	6 x 1.5 sq. mm. SOR ITEM NO. 3.11.6	30	Metre	78.50	2355.00
	3 x 4 sq. mm. SOR ITEM NO. 3.11.23	20	Metre	82.00	1640.00
82	Wiring for light plug point with 2x2.5 sq mm FR PVC insulated stranded copper conductor cable in concealed PVC conduit along with piano type 6 amp switch and 3 pin 6 amps socket outlet with suitable size M.S. box, phenolic laminated sheet, earthing the				
	Long Point SOR ITEM NO.	2.00	Point	869.00	1738.00
83	Supplying and fixing of metal box of following sizes (nominal size) in recess with suitable size phenolic laminated sheet cover in front including painting etc				
	75 mm X 75 mm X 60 mm deep. SOR ITEM NO.	2	Each	99.00	198.00
84	Providing and fixing fan clamp made of 3mm thick MS flat on existing iron Each trusses/ girder including necessary bolts and nuts etc. as per specification. SOR ITEM NO.	10	Each	40.00	400.00
85	Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding				
	Fan regulator (two module size) electronic stepped type moving all rounds SOR ITEM NO.	10	Each	223.00	2230.00

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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	6	Each	26.00	156.00
86	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts A.C. supply, complete as Ordinary (simple). SOR ITEM NO. 5.7.1	1	Each	74.00	74.00
87	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				
	1200 mm sweep. SOR ITEM NO. 6.1.3	10	Each	1697.00	16970.00
88	Supplying, installation, testing and commissioning of 250/ 300 mm sweep 1400 rpm medium duty (continuous running) exhaust fan in existing opening in wall including earthing etc. complete as per	1	Each	1334.00	1334.00
89	Supplying and fixing following sizes of down rod of 15/20mm dia M.S. pipe of thickness 2 mm to ceiling fan including painting with matching colour etc. as per				
	45 cm long SOR ITEM NO. 6.11.1	5	Each	31.00	155.00
	60 cm long SOR ITEM NO. 6.11.2	5	Each	40.00	200.00
90	Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as per specification and P.F. should be				
	9 Watt. SOR ITEM NO. 6.17.4	4	Each	143.00	572.00
91	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				
	18/20 watt (4 feet}. SOR ITEM NO. 6.19.3	28	Each	443.00	12404.00
92	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				
	60 watt SOR ITEM NO. 6.28.7	2	Each	3622.00	7244.00

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NO	PARTICULARS OF ITEM	QTY.	UNIT	RATE	AMOUNT
93	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				
	4 way, Double door. SOR ITEM NO. 9.2.5	2	Each	784.00	1568.00
94	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)				
	4 way (4+12), double door SOR ITEM NO. 9.5.4	2	Each	4149.00	8298.00
95	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and				
	SINGLE POLE (SP).				
	6 Amp to 32 Amp Rating. SOR ITEM NO. 9.11.2	18	Each	148.00	2664.00
96	Supplying and fixing DP MCB, 240 volts, 'C' curve, suitable for lighting and				
	other loads in the existing MCB DB complete with				
	6 amps to 32 amps. SOR ITEM NO. 9.12.2	1	Each	411.00	411.00
97	Supplying and fixing TP&N MCB, 440 volts, 'C' curve, suitable for lighting				
	and other loads in the existing MCB DB complete				
	6 Amp to 32 Amp Rating. SOR ITEM NO. 9.16.2	4	Each	667.00	2668.00
	40amps SOR ITEM NO. 9.16.3	2	Each	994.00	1988.00
98	curve, suitable for lighting and other loads in the existing MCB DB complete with connections, testing and commissioning etc. as required. SOR ITEM				
	6 amps to 32 amps. SOR ITEM NO. 11.16.2	2	Each	883.00	1766.00
99	Supplying and fixing following rating, 415 volts, FOUR POLES ISOLATOR in the existing MCB DB complete with connections, testing and				
	63 amps. SOR ITEM NO. 9.20.3	2	Each	621.00	1242.00
100	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as per specification.	6	Each	7.00	42.00

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NO	PARTICULARS OF ITEM	QTY.	UNIT	RATE	AMOUNT
101	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 locking arrangement and watering pipe, with charcoal and salt	1	Each	3734.00	3734.00
102	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	10	metre	345.00	3450.00
103	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as per	20	metre	115.00	2300.00
104	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	80	Metre	19.00	1520.00
105	Supplying and laying ISI marked double wall HDPE pipe (IS 14930 Part II) having corrugation on the outer wall and plan surface on inner wall 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				
	90 mm outer dia and 75 mm Inner dia SOR ITEM	10	Metre	203.00	2030.00
106	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				
	100.00mm. SOR ITEM NO. 14.3.3	6	Metre	879.00	5274.00
107	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				
	100 mm dia. SOR ITEM NO. 14.5.6	4	Metre	953.00	3812.00
108	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				
	3.5 x 25 sq. mm. SOR ITEM NO. 15.1.14	10	Metre	315.00	3150.00
	3.5 x 25 sq. mm. SOR ITEM NO. 15.2.14	10	Metre	220.00	2200.00

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NO	PARTICULARS OF ITEM	QTY.	UNIT	RATE	AMOUNT
109	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,				
	3.5 x 25 sq. mm. SOR ITEM NO. 15.3.14	60	Metre	117.00	7020.00
110	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 25x3 mm M.S flat clamp and steel dash fastener/ G.I. bolts				
	3.5 x 25 sq. mm. SOR ITEM NO. 15.5.9	20	Metre	130.00	2600.00
111	Supplying and making end termination with brass compression gland and aluminum lugs for following size armoured aluminum conductor power cable of				
	Gland size 32mm for 2/3, 3½, 4 x 25 Sq.mm, OR 2/3, 3½ x 35 Sq.mm OR 2/3 x 50 Sq.mm. SOR ITEM NO.	4	Each	104.00	416.00
112	Supplying, fixing and cramping suitable size and all type aluminium ferule/lugs to following size 1.1 KV grade power cable core/ lead, pressed with high pressure cramping tool including connection to switch				
	16 sq. mm. SOR ITEM NO. 15.28.3	4	Each	19.00	76.00
	25 Sq.mm SOR ITEM NO. 15.28.4	12	Each	22.00	264.00
	TOTAL				2298729.66