

BILASPUR SMART CITY LIMITED

BILL OF QUANTITIES(BOQ)

SOR: Schedule of Rates for Building Works 2015 & It's amendment ,PWD Electrical Works SOR 2015 & PWD Road Works SOR 2015

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
1	CG PWD BUIDLING SOR 2015	16.290	16.29 Taking out window shutters (steel or wood) including stacking within 50 metres lead.	82.00	each
2	CG PWD BUIDLING SOR 2015	9.150	9.15/81 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.	565.20	Kg
3	CG PWD BUIDLING SOR 2015	14.22.2	14.22.2/134 Painting on new work (two or more coats) to give an even shade with Premium synthetic enamel paint	217.44	Sqm
4	CG PWD BUIDLING SOR 2015	8.166	8.166 Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealent over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately vide chapter no. 9.51, 9.58, 9.59 Respectively) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. 8.165 D. 1Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 sqm)	179.12	Sqm

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5	CG PWD BUIDLING SOR 2015	9.14.1	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 coating shall be of grade AC-15. (Glazing and panelling to be paid for separately) (SOR. ITEM NO.-9.47/85) 9.47.1 For fixed portion	703.64	Kg
6	CG PWD BUIDLING SOR 2015	9.47.2	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 coating shall be of grade AC-15. (Glazing and panelling to be paid for separately) (SOR. ITEM NO.-9.47/85) 9.47.2) 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).	471.86	Kg
7	CG PWD BUIDLING SOR 2015	9.51.4	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): (SOR. ITEM NO.-9.51/85) 9.51.4 With float glass panes of 8 mm thickness	62.60	Sqm
8	CG PWD BUIDLING SOR 2015	9.490	9.49 Extra for polyester powder coated (minimum 50 micron) aluminium sections instead of anodized.	703.64	Sqm
9	CG PWD BUIDLING SOR 2015	9.500	9.50 Providing and fixing 12mm thick pre-laminated particle board flat pressed with decorative lamination and balancing lamination on specified sides exterior Grade – I MDF Board 12 mm thick confirming to IS:14587, including fixed in aluminium doors, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete.	39.58	sqm
10	CG PWD BUIDLING SOR 2015	9.550	9.55 Providing and fixing of six/seven levers branded and approved mortise lock.	42	each
11	CG PWD BUIDLING SOR 2015	8.120	8.120 Providing and fixing aluminium sliding door bolts with 16mm rod, necessary nickel plated iron nuts bolts and screws etc complete. 8.120.2 250x16mm	62.00	each
12	CG PWD BUIDLING SOR 2015	8.123	8.123 Providing and fixing aluminium door handles 2.5mm thick with necessary nickel plated iron screws etc complete. 8.123.1 150 mm	96.00	each

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13	CG PWD BUIDLING SOR 2015	8.121	8.121 Providing and fixing aluminium door latch with 12mm rod, necessary nickel plated iron nuts bolts and screws etc complete. 8.121.2 250x12mm	54.00	each
14	CG PWD BUIDLING SOR 2015	8.159	8.159 Providing and fixing IS: 3564 marked aluminium extruded section body tubular type universal hydraulic door closer with double speed adjustment with necessary accessories and screws etc complete.	42.00	each
15	CG PWD BUIDLING SOR 2015	10.610	Providing and fixing at all height false ceiling consisting of frame work "W" / "U" / "L" sections made of G.I. sheet with zinc coating of grade 120 consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm dia x 40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick button wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I. channel with connecting clips made out of 2.64mm dia x 230mm long G.I. wire at every junction including fixing the gypsum board with ceiling section and perimeter channels 0.55mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450mm centre to centre with 25mm long drive-all screws @ 230mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and two coats of primer suitable for board as per manufactures specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed including providing and fixing 12.5 mm thick tapered edge gypsum board conforming to IS: 2095- Part-I all complete as per drawing and specification and direction of the Engineer in Charge but excluding the cost of painting. (SOR. ITEM NO.-10.61/97)	551.49	Sqm
16	CG PWD BUIDLING SOR 2015	14.130	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.-14.13/133)	513.55	Sqm
17	CG PWD BUIDLING SOR 2015	14.120	Applying one coat of cement primer on wall surface (applied @ 0.80 liters/10 sqm) complete. (SOR. ITEM NO.-14.12/133)	339.13	Sqm
18	CG PWD BUIDLING SOR 2015	14.15.1	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: 14.15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and (SOR. ITEM NO.-14.16.1/133)	262.68	Sqm

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
19	CG PWD BUIDLING SOR 2015	2.10.1/11	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. SOR 12.10.1/112	70.92	Sqm
20	CG PWD BUIDLING SOR 2015	12.7.2	12.7 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. 12.7.2 Size above 200x300mm	27.72	Sqm
21	CG PWD BUIDLING SOR 2015	1.200	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/height including disposal of rubbish upto 1.5 m lift and lead upto 50 m (at least 5m away from the dressed area). (SOR ITEM NO.-1.2/9)	66.50	Sqm
22	CG PWD BUIDLING SOR 2015	1.1.1	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. (SOR ITEM NO.-1.1.1/9) 1.1.1) In all types of soil	309.73	Cum
23	CG PWD BUIDLING SOR 2015	1.6.1	Extra for every additional lift of 1.5M or part there of All types of soil (SOR ITEM NO.-1.6.1/10)	97.78	Cum
24	CG PWD BUIDLING SOR 2015	1.180	Providing and filling in plinth with sand / crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth and consolidating each deposited layer by ramming and watering, including dressing etc. complete. (SOR. ITEM NO.-1.18/11)	276.53	Cum
25	CG PWD BUIDLING SOR 2015	2.1.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: (SOR ITEM NO.-2.1.1/16) Foundations, footings, base of columns and plinth beam in any shape and size.	83.82	Sqm
26	CG PWD BUIDLING SOR 2015	3.1.3	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. (SOR. ITEM NO.- 3.1.3/23) 3.1.3) 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	31.72	Cum
27	CG PWD BUIDLING SOR 2015	3.4.2	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. (SOR. ITEM NO.- 3.2.1/23) 3.4.2) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	46.14	Cum

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28	CG PWD BUIDLING SOR 2015	3.12.1	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 all complete: (SOR. ITEM NO.-3.12.1/24) Thermo-Mechanically treated bars	3628.80	Kg
29	CG PWD BUIDLING SOR 2015	7.5.4	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: (SOR ITEM NO.- 7.5.4/45) 7.5.4) Cement Mortar 1:6 (1 cement : 6 coarse sand)	48.06	Cum
30	CG PWD BUIDLING SOR 2015	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape (SOR ITEM NO.- 2.1.5/16)	55.44	Sqm
31	CG PWD BUIDLING SOR 2015	3.4	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.-3.4/23)	17.92	Cum
32	CG PWD BUIDLING SOR 2015	7.6	7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth: (SOR ITEM NO.- 7.6/45)	28.44	Cum
33	CG PWD BUIDLING SOR 2015	3.13	Providing and laying damp proof course (upto 50mm thick) with plain cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded crushed stone aggregate 20mm nominal size) including formwork. (SOR ITEM NO.- 3.13/24)	0.66	Cum
34	CG PWD BUIDLING SOR 2015	3.15	Applying a coat of hot bitumen VG-10 using @ 1.7kg/ sqm on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. (SOR ITEM NO.-3.15/24)	79.20	Sqm
35	CG PWD BUIDLING SOR 2015	2.1.8	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. (SOR ITEM NO.- 2.1.8/16)	45.24	Sqm
36	CG PWD BUIDLING SOR 2015	2.1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ) (SOR ITEM NO.- 2.1.7/16)	65.18	Sqm
37	CG PWD BUIDLING SOR 2015	1.17	Filling from available excavated stuff (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 m. and lift upto 1.5 M. (SOR ITEM NO.- 1.17/11)	92.08	Cum
38	CG PWD BUIDLING SOR 2015	7.11.2	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: 7.11.2 Cement Mortar 1:4 (1 cement : 4 coarse sand)	67.70	Sqm
39	CG PWD BUIDLING SOR 2015	7.12	Extra for half brick work in superstructure above plinth level for every storey or part thereof in addition to rate for upto plinth: (SOR ITEM NO.- 7.12/46)	67.70	

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40	CG PWD BUIDLING SOR 2015	7.2	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.- 7.20/46)	67.70	
41	CG PWD BUIDLING SOR 2015	9.18.3	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 concrete in profile section applying a priming coat of red oxide zinc chromate primer. 9.18.3) Single rebate 100mm x 50mm size, 1.25 mm thick sheet (SOR. ITEM NO.-9.18.3/82)	112.20	RM
42	CG PWD BUIDLING SOR 2015	9.18.3	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 concrete in profile section applying a priming coat of red oxide zinc chromate primer. 9.18.3) Single rebate 100mm x 50mm size, 1.25 mm thick sheet (SOR. ITEM NO.-9.18.3/82)	36.26	Sqm
43	CG PWD BUIDLING SOR 2015	11.2.4	Providing and making 12mm.thick cement plaster of mix : (SOR. ITEM NO.-11.2/103) 11.2.4) In Cement Mortar 1:6 (1 Cement : 6 fine Sand)	200.31	Sqm
44	CG PWD BUIDLING SOR 2015	11.1.2	Providing and making 6 mm thick cement plaster of mix (SOR. ITEM NO.-11.1/103) 11.1.2) In Cement mortar 1:4 (1 cement : 4 fine sand)	50.56	Sqm
45	CG PWD BUIDLING SOR 2015	11.3	Providing and making 15mm.thick cement plaster on the rough side of single or half brickwall of mix. 11.3.4.) In Cement Mortar 1:6 (1 cement : 6 fine sand) (SOR. ITEM NO.-11.3/103)	282.48	Sqm
46	CG PWD BUIDLING SOR 2015	9.21.1	Providing and fixing float glass panes with steel glazing clips and special metal sash putty of approved make in steel doors, windows, ventilators: (SOR. ITEM NO.-9.21.1/82) 9.21.1) 4 mm thick	10.70	Sqm
47	CG PWD BUIDLING SOR 2015	8.12.2	Providing and fixing flush door shutters, 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 of shutters excluding hinges. (SOR. ITEM NO.-8.12/56) 8.12.2) 30 mm. thick (single leaf)	4.33	Sqm
48	CG PWD BUIDLING SOR 2015	8.15	Extra for double leaf shutter instead of single leaf. (SOR. ITEM NO.-8.15/56)	4.33	Sqm

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49	CG PWD BUIDLING SOR 2015	8.99.1	Providing and fixing M.S. bright finished or black enameled sliding door bolts with bolts, nuts and necessary iron screws: 8.99.1 300x16mm SOR 8.74.2/63	2.00	Each
50	CG PWD BUIDLING SOR 2015	8.99.2	Providing and fixing M.S. bright finished or black enameled sliding door bolts with bolts, nuts and necessary iron screws: 8.99.2)250x16mm (SOR ITEM NO.8.99/66)	4.00	Each
51	CG PWD BUIDLING SOR 2015	8.102.1	Providing and fixing M.S. bright finished or black enameled Tower bolts (Barrel type) with necessary iron screws: 8.102.1)250 mm (SOR ITEM NO.8.102/66)	2.00	Each
52	CG PWD BUIDLING SOR 2015	8.106	Providing and fixing MS bright finished single hanging door stopper with necessary MS steel screws complete. (SOR ITEM NO.8.106 /67)	2.00	Each
53	CG PWD BUIDLING SOR 2015	8.103.1	Providing and fixing M.S. bright finished or black enameled handles with necessary iron screws: (SOR. ITEM NO.-8.103/67) 8.103.1)125 mm	24.00	Each
54	CG PWD BUIDLING SOR 2015	13.4.3	15mm thick Granite work (machine cut, table rubbed & mirror polished) for wall lining (vener work) in cement mortar 1:3 (1 cement : 3 coarse sand) including pointing with cement mortar 1:2 (1 white cement: 2 marble dust) mixed with matching pigment. (Area of slab should be over 0.5 sqm). 13.4.3 Granite stone lakha red/ shahi red (SOR. ITEM NO.- 13.4.2/124)	109.86	Sqm
55	CG PWD BUIDLING SOR 2015	14.9.1	Distempering with acrylic washable distemper to give an even shade. (SOR. ITEM NO.- 14.9/132) 14.9.1) On new work (two or more coats)	339.13	Sqm
56	CG PWD BUIDLING SOR 2015	12.37.3	Chequered precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tile including cleaning of joint etc complete on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) : Dark shade using ordinary cement 12.37.3	25.86	Sqm
57	CG PWD BUIDLING SOR 2015	19.10.4	19.10 Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured) 19.10.4 50 mm nominal bore	2.00	each
58	CG PWD BUIDLING SOR 2015	19.7.3	19.7 Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: (SOR. ITEM NO.-19.7/177) 19.7.3 25 mm dia. nominal bore	46.32	meter
59	CG PWD BUIDLING SOR 2015	19.8.3	19.8 Providing and fixing concealed in wall G.I. pipes medium class complete with G.I. fittings and clamps, including painting with anti corrosive bitumastic paint, cutting chases, making good the walls etc. and testing of joints complete: (SOR. ITEM NO.-19.8/177) 19.8.3 25 mm dia nominal bore	63.30	meter

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60	CG PWD BUIDLING SOR 2015	19.8.1	19.8 Providing and fixing concealed in wall G.I. pipes medium class complete with G.I. fittings and clamps, including painting with anti corrosive bitumastic paint, cutting chases, making good the walls etc. and testing of joints complete: (SOR. ITEM NO.-19.8/177) 19.8.1 15 mm dia nominal bore	58.00	meter
61	CG PWD BUIDLING SOR 2015	19.17.3	19.17 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 19.17.3 25 mm nominal bore	6.00	each
62	CG PWD BUIDLING SOR 2015	19.13.1	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: 19.13.1 Bib cock (250 grams)	20.00	each
63	CG PWD BUIDLING SOR 2015	19.13.3	19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: 19.13.3 Stop cock (350 grams)	20.00	each
64	CG PWD BUIDLING SOR 2015	19.42	19.42 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	8000.00	liter
65	CG PWD BUIDLING SOR 2015	18.76.2	18.76 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 mm gap for thermal expansion etc complete. 18.76.2 110 mm dia pipe.	194.90	meter
66	CG PWD BUIDLING SOR 2015	18.77.1	18.77 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. 18.77.1 Tee/ Tee with door/ Bend 45°/ Bend 90°	30.00	each
67	CG PWD BUIDLING SOR 2015	18.77.3	18.77 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. 18.77.3 Vent covel	6.00	each
68	CG PWD BUIDLING SOR 2015	18.77.6	18.77 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. 18.77.6 Nahani trap 110x75mm	60.00	each
69	CG PWD BUIDLING SOR 2015	18.1	18.1 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 :	12.00	each

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70	CG PWD BUIDLING SOR 2015	18.4	18.4 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 :	2.00	each
71	CG PWD BUIDLING SOR 2015	18.17.2	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 : 18.17.2 White Size 550x400 mm	4.00	each
72	CG PWD BUIDLING SOR 2015	18.13	18.13 Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:	12.00	each
73	CG PWD BUIDLING SOR 2015	20.28	20.28 masonry chamber for underground pipe and 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) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :	5.00	each
74	CG PWD BUIDLING SOR 2015	20.2.1	20.2 Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete 150mm thick as per standard design: 20.2.1 100 mm diameter S.W. pipe	60.00	meter
75	CG PWD BUIDLING SOR 2015	12.7.1	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. 12.7.1) Size upto 200x300mm (SOR. ITEM NO.- 12.7.1/111)	83.93	Sqm
76	CG PWD BUIDLING SOR 2015	8.15	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 ± 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 Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25mm X 11mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufactures' specification. sqm (SOR. ITEM NO.-8.150/73)	12.83	Sqm
77	CG PWD BUIDLING SOR 2015	19.15	19.15 Providing and fixing stainless steel drain jali of approved make/quality	10.00	each

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
78	CG PWD BUIDLING SOR 2015	9.57.1	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. 9.57.1) SS Grade 204 (SOR. ITEM NO.-9.57.1/86)	278.78	Kg
79	CG PWD BUIDLING SOR 2015	8.1	Cast in Situ Cement Concrete M 20 kerb (construction of cement concrete kerb with channel with top and bottom width 115 and 165 mm respectively, 250 mm high in PCC M 20 grade on PCC M 10 grade foundation 150 mm thick, foundation having 50 mm projection beyond kerb stone, kerb stone laid with kerb laying machine, (foundation concrete laid manually, all complete as per clause 409) (Road SOR. ITEM NO.- 8.1/29)	102.46	meter
80	CG PWD BUIDLING SOR 2015	12.65.2	12.65 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 12.65.2 Pigment Coloured (rubber mould) precast interlock concrete blocks	139.00	Sqm
81	CG PWD BUIDLING SOR 2015	1.26	Carriage by mechanical transport for 5 km lead:1.26.1 Earth (SOR. ITEM NO.-1.26/12)	18.90	Cum
82	CG PWD BUIDLING SOR 2015	9.6.2	9.6 Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer. 9.6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	2061.10	Kg
83	CG PWD BUIDLING SOR 2015	3.900	Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement. (SOR. ITEM NO.-3.9/24)	1.13	Cum
84	CG PWD BUIDLING SOR 2015	9.3.1	9.3 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 zinc chromate primer. 9.3.1 Electric resistance or induction butt welded tubes Grade-250	601.30	Kg
85	CG PWD BUIDLING SOR 2015	10.13	10.13 Supply and fixing of pre-coated TILE PATTERN profile sheets of approved make, colour, over all size, corrugation shape and pitch, having total coated thickness (TCT) 0.45 mm (approx weight 4.9 kg/sqm) with Zn-Al coating and superior paint and having yield strength of 550 MPa. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation. 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 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	107.05	Sqm

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
86	CG PWD BUIDLING SOR 2015	10.16.6	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 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 using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : 10.16.6 Gutter. (600 mm over all girth).	64.97	meter
87	CG PWD BUIDLING SOR 2015	10.16.4	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 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 using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete : 10.16.4 Barge board (Upto 300 mm)	30.72	meter
88	CG PWD BUIDLING SOR 2015	10.12	10.12 Supply and fixing of polymer precoated galvalume profile sheets (PPGL) of approved size, shape and pitch of corrugation, total coated thickness (TCT) 0.60 mm +/- 5%, epoxy primer on both side of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom. 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 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	45.40	Sqm
89	CG PWD BUIDLING SOR 2015	10.24.1	10.24 Providing & fixing UV stabilized fibreglass reinforced plastic (FRP) sheet roofing upto any pitch including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovings incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 10.24.1 2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified.	72.00	Sqm
90	CG PWD BUIDLING SOR 2015	10.15	10.15 Extra for working height above 6 metre for fixing GI/ profile/ PVC/ polycarbonate sheet for every additional height of 1 metre of part thereof.	72.00	Sqm

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
91	CG PWD BUIDLING SOR 2015	21.1.1.3	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level. (a)All Types of soil - 150 mm dia	73.15	meter
92	CG PWD BUIDLING SOR 2015	21.5.3	Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth revision (Up-to-date amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer- in-charge. 150 mm dia (SOR ITEM NO. 21.5.3/199)	60.00	meter
93	CG PWD BUIDLING SOR 2015	21.11.3	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of: 150mm dia (SOR ITEM NO. 21.11.3/200)	3.00	Each
94	CG PWD BUIDLING SOR 2015	21.14.1	21.14 Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately). 21.14.1 Stone boulders of size range 5 cm to 20 cm, in recharge pit	12.00	cum
95	CG PWD BUIDLING SOR 2015	21.14.2	21.14 Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately). 21.14.2 Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	7.20	cum
96	CG PWD BUIDLING SOR 2015	21.14.3	21.14 Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately). 21.14.3 Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	5.40	cum
97	CG PWD BUIDLING SOR 2015	22.7	22.7 Fine dressing the ground	422.98	Sqm
98	CG PWD BUIDLING SOR 2015	22.2	22.2 Suppling and stacking of good earth at site including royalty,loading,unloading and carriage upto 10km(earth measured in stacks will be reduced by 20% for payment) (Building SOR. ITEM NO.-22.2/204)	24.20	cum
99	CG PWD BUIDLING SOR 2015	22.12	22.12 Uprooting rank vegetation and weeds by digging the area to a depth of 60cm removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts. (Building SOR. ITEM NO.-22.12/205)	40.33	sqm

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
100	CG PWD BUIDLING SOR 2015	22.4	22.4 Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment). (Building SOR. ITEM NO.-22.4/204)	8.07	cum
101	CG PWD BUIDLING SOR 2015	22.6	22.6 Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation. (Building SOR. ITEM NO.-22.6/205)	40.33	sqm
102	CG PWD BUIDLING SOR 2015	22.8	22.8 Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately). (Building SOR. ITEM NO.-22.7/205)	8.07	cum
103	CG PWD BUIDLING SOR 2015	22.9	22.9 Mixing earth and sludge or manure in proportion specified or directed. (Building SOR. ITEM NO.-22.9/205)	8.07	cum
104	CG PWD BUIDLING SOR 2015	22.10.3	22.10 Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately). 22.10.3 In rows 5 cm apart in either direction. (Building SOR. ITEM NO.-22.10.3/205)	40.33	sqm
105	CG PWD BUIDLING SOR 2015	22.25.4	Providing and Planting following herbs in garden including preparation of soil,base plantation, providing and spreading different fertilizers,soil and sand. 22.25.4 Carpet Grass(Well developed) (Building SOR. ITEM NO.-22.25.4/207)	40.33	sqm
106	CG PWD BUIDLING SOR 2015	22.25.1	22.25.1 Hedges like Alife, Dorenta, Tikoma etc	200.00	each
107	CG PWD BUIDLING SOR 2015	22.25.2.	22.25.2 Furn like Arica, China etc (3 year old)	200.00	each
108	CG PWD BUIDLING SOR 2015	22.25.3	22.25.3 Hibiscus (Flower)/ Rose	200.00	each
109	CG PWD BUIDLING SOR 2015	22.16	22.16 Providing and fixing M.S. flat iron tree guard 60cm dia. and 2m height above ground level formed of 4 nos. 25x6mm and 8 nos. 25x3mm vertical M.S. flats riveted to 3 nos. 25x6mm M.S. flat iron rings in two halves, bolted together with 8mm dia. and 30mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects.	2.00	each
110	CG PWD BUIDLING SOR 2015	16.3.3	16.3 Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. 16.3.3 In cement mortar.	161.31	Cum
111	CG PWD BUIDLING SOR 2015	16.17	16.17 Dismantling G.I. sheet roofing including ridges hips, valleys and gutters etc. and stacking the material with 50 m lead.	26.89	Sqm
112	CG PWD BUIDLING SOR 2015	16.43.2	16.43 Demolishing cement concrete including disposal of material within 50 metre lead. 16.43.2 1:3:6 or richer mix	9.27	Cum

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
113	CG PWD BUIDLING SOR 2015	16.42	16.42 Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	21.67	cum
114	CG PWD BUIDLING SOR 2015	16.53.1	16.53 Removing following vitreous china sanitarywares carefully for re-use including stacking within 50 metres lead. 16.53.1 Wash basin of all sizes and shapes	9.00	each
115	CG PWD BUIDLING SOR 2015	16.53.3	16.53 Removing following vitreous china sanitarywares carefully for re-use including stacking within 50 metres lead. 16.53.3 European/ Anglo Indian WC pan of all sizes	9.00	each
116	CG PWD BUIDLING SOR 2015	16.31	16.31 Dismantling steel work in built-up section in angles, channels, flats Isection and T-section including all gusset plates, bolts, nuts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	815.60	Kg
			As Per CG PWD Buidling SOR 2015 & Its Amendment-	Rs. 52,06,612.00	
117	CG PWD ELECTRIC AL SOR 2015	3.7.1	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in concealed PVC conduit, with 5 amp modular switch, modular base and cover plate, suitable size G.I. box and earthing the point with same size cable as required. Short Point	45	Point
118	CG PWD ELECTRIC AL SOR 2015	3.7.2	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in concealed PVC conduit, with 5 amp modular switch, modular base and cover plate, suitable size G.I. box and earthing the point with same size cable as required. Medium Point	90	Point
119	CG PWD ELECTRIC AL SOR 2015	3.7.3	Wiring for light/ fan/ exhaust fan / call bell point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in concealed PVC conduit, with 5 amp modular switch, modular base and cover plate, suitable size G.I. box and earthing the point with same size cable as required. Long Point	220	Point
120	CG PWD ELECTRIC AL SOR 2015	3.8	Wiring for twin control light point with 1.5 sqmm FR PVC insulated stranded copper conductor single core cable in concealed PVC conduit, with 5 amp modular switch, modular base and cover plate, suitable size G.I. box and earthing the point with same size cable as required.	8	Point
121	CG PWD ELECTRIC AL SOR 2015	3.9	Extra for providing and fixing light plug point on board in concealed PVC conduit point wiring with modular type 3 pin 5 amp socket outlet and 5 amp switch including cost of base and cover plate and G. I. box etc. as required.	120	Point
122	CG PWD ELECTRIC AL SOR 2015	3.13.1	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PCV insulated copper conductor, single core cable in concealed PVC conduit as required. 3 X 1.5 sq mm in 20mm conduit	320	meter
123	CG PWD ELECTRIC AL SOR 2015	3.13.2	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PCV insulated copper conductor, single core cable in concealed PVC conduit as required. 3 X 2.5 sq. mm in 20mm conduit	290	meter

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
124	CG PWD ELECTRIC AL SOR 2015	3.13.3	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PCV insulated copper conductor, single core cable in concealed PVC conduit as required. 6 X 2.5 sq. mm in 25mm conduit	220	meter
125	CG PWD ELECTRIC AL SOR 2015	3.13.4	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PCV insulated copper conductor, single core cable in concealed PVC conduit as required. 9 X 2.5 sq. mm in 32mm conduit	110	meter
126	CG PWD ELECTRIC AL SOR 2015	3.13.5	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PCV insulated copper conductor, single core cable in concealed PVC conduit as required. 12 X 2.5 sq. mm in 32mm conduit	90	meter
127	CG PWD ELECTRIC AL SOR 2015	3.13.8	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PCV insulated copper conductor, single core cable in concealed PVC conduit as required. 3 X 10 sq. mm in 25mm conduit	60	meter
128	CG PWD ELECTRIC AL SOR 2015	7.4.8	Supplying and fixing following modular switch, socket, other accessories on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Fan regulator (two module size) electronic stepped type moving all rounds	120	Each
129	CG PWD ELECTRIC AL SOR 2015	7.9	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc. as required.	200	Each
130	CG PWD ELECTRIC AL SOR 2015	7.12	Supplying and fixing polycarbonate batten/angle holder including flexible connection etc. as required.	90	Each
131	CG PWD ELECTRIC AL SOR 2015	11.5.5	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 required. (But without MCB/RCCB/Isolator) (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 8 way (4 + 24), Double door	4	Each
132	CG PWD ELECTRIC AL SOR 2015	11.11.2	Supplying and fixing SP MCB 240 volts, "C" series suitable for inductive loads in the existing MCB DB complete with connections, testing and commissioning etc. as required. 6 amps to 32 amps	80	Each
133	CG PWD ELECTRIC AL SOR 2015	11.16.5	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 required. 63 amps	4	Each
134	CG PWD ELECTRIC AL SOR 2015	3.11.3	Wiring for power plug point with 2x4 sq mm FR PVC insulated stranded copper conductor cable in concealed PVC conduit 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 cable etc. as required. Long Point	10	Point

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
135	CG PWD ELECTRIC AL SOR 2015	3.11.4	Wiring for power plug point with 2x4 sq mm FR PVC insulated stranded copper conductor cable in concealed PVC conduit 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 cable etc. as required. Extra Long Point I	15	Point
136	CG PWD ELECTRIC AL SOR 2015	3.11.5	Wiring for power plug point with 2x4 sq mm FR PVC insulated stranded copper conductor cable in concealed PVC conduit 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 cable etc. as required. Extra Long Point II	15	Point
137	CG PWD ELECTRIC AL SOR 2015	3.11.6	Wiring for power plug point with 2x4 sq mm FR PVC insulated stranded copper conductor cable in concealed PVC conduit 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 cable etc. as required. Extra Long Point III	20	Point
138	CG PWD ELECTRIC AL SOR 2015	8.6.1	Supplying, installation, testing and commissioning of following sizes fancy exhaust fan having built in lovers in existing opening in wall including earthing etc. complete as required. 300 mm sweep	12	Each
139	CG PWD ELECTRIC AL SOR 2015	8.22.4	Supplying, fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as required and furnishing 2 Yrs Guarantee certificate from manufacturer. 9 Watt	70	Each
140	CG PWD ELECTRIC AL SOR 2015	8.20.3	Supplying, installation, testing and commissioning of following LED fitting (luminaries) down lighters in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as required and furnishing 2 Yrs Guarantee certificate from manufacturer. 12 Watt	40	Each
141	CG PWD ELECTRIC AL SOR 2015	17.5.14	Supplying and laying following sizes one number 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 required. 4 x 16 sq. mm.	120	Metre
142	CG PWD ELECTRIC AL SOR 2015	17.5.11	Supplying and laying following sizes one number 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 required. 3.5 x 25 sq. mm.	60	Metre
143	CG PWD ELECTRIC AL SOR 2015	14.4	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as required.	4	Set
144	CG PWD ELECTRIC AL SOR 2015	14.5	Supplying and laying 8 SWG copper wire at 0.50 metre below ground level for conductor earth electrode, including soldering etc. as required.	80	Metre

SN	SOR	REF NO	ITEM DESCRIPTION	QTY	UNIT
145	CG PWD ELECTRIC AL SOR 2015	9.11.4	Providing and fixing porcelain re-wireble fuse carrier and base unit on wooden board including drilling holes on the board, screws, connections etc. as required. (Thimbeling shall be paid separately). 100 amps	6	Each
146	CG PWD ELECTRIC AL SOR 2015	8.30.3	Supplying, installation, testing and commissioning of following 230/250 volts LED street light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 5 KV surge protection on pole bracket complete as required and furnishing 2 Yrs Guarantee certificate from manufacturer. 60 watt	6	Each
147	CG PWD ELECTRIC AL SOR 2015	9.8.6	Supplying and fixing metal clad busbar chamber made of 1.6 mm thick CRCA sheet with 4 strip copper busbars of following capacity and length, complete with all accessories, including earthing the body etc. as required. 200 amps x 600mm long	2	Each
148	CG PWD ELECTRIC AL SOR 2015	9.1	Supplying and fixing wall/ floor mounted metal board of welded construction, fabricated with minimum 50mmX 50mm X 6mm angle iron frame work, with horizontal and vertical intermediate members of suitable angle/flat iron for mounting of switch gears including painting etc. as required.	5	sqm
149	CG PWD ELECTRIC AL SOR 2015	11.1.9	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 3 pole MCCB, 200A, Adjustable Thermal - Magnetic Release, 35KA	2	Each
150	CG PWD ELECTRIC AL SOR 2015	5.14	Supplying and drawing UTP 4 pair Cat 6 LAN cable in existing surface/ concealed steel/ PVC conduit as required.	1600	metre
151	CG PWD ELECTRIC AL SOR 2015	3.10.4	Wiring for light plug point with 2x2.5 sq mm FR PVC insulated stranded copper conductor cable in concealed PVC conduit along with modular type 6 Amp switch and 3 pin 6 amps socket outlet with modular base and cover plate, suitable size G.I. box, earthing the switch box and socket outlet with same size cable etc. as required. Extra Long Point I	30	Point
152	CG PWD ELECTRIC AL SOR 2015	8.1	Supplying, installation, testing and commissioning of following sizes ceiling fan with resistance type regulator, including wiring the down rods of standard length up to 30 cm with, 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, earthing etc. complete as required.	120.00	Each
153	CG PWD ELECTRIC AL SOR 2015	8.11.1	Supplying, installation, testing and commissioning of following T-5 fluorescent fitting (luminaries) complete with electronic ballast but without fluorescent lamp, on ceiling/ wall surface, earthing the fitting etc. as required. Single box type with decorative end caps	140	Each
154	CG PWD ELECTRIC AL SOR 2015	8.12.2	Supplying, fixing, testing and commissioning of following 230/250 volts fluorescent lamp (tube) in existing lighting luminaries as required. 4' x 28 watt (T-5)	140	Each
			As Per CG PWD Electrical SOR 2015-	Rs. 13,31,083 .00	
155	CG PWD ROAD SOR 2015	12.14	12.14 Cement art Mural work CG PWD ROAD 2015	51.46	sqm
			As Per CG PWD ROAD SOR 2015-	Rs. 1,80,110.00	
			G.Total	Rs. 67,17,805.00	