

**OFFICE OF THE MUNICIPAL CORPORATION, BHILAI  
NIT**

**NAME OF WORK :- मुख्य कार्यालय में भवनों का संधारण कार्य।**

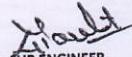
S.N.	Description	UNIT	QTY
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all types of soils.	cum	5
2	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.	cum	5
3	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 type of wall below plinth level	sqm	10
4	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 size).	cum	5
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	5
5	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	5
6	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 415	kg	30
7	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)	cum	10
8	Providing and fixing 35mm thick paneled or glazed or paneled and glazed shutter frames for doors excluding hinges and paneling. (Area of shutter to be measured without deducting paneling area Bijasal, benteak, khair, haldu	sqm	10
9	Providing and fixing flush door shutters, conforming to IS : 2202 (Part-I), decorative type core of block board construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters excluding hinges. 35 mm. thick (single leaf)	sqm	12
10	Providing and fixing bright finished brass butt hinges with brass polished MS screws complete: 125x85x5.50 mm (Heavy Type)	each	20
11	Providing and fixing bright finished brass parliamentary hinges with brass polished MS screws complete: 125x125x27x5 mm	each	10
12	Providing and fixing bright finished brass door handles with brass polished MS screws complete: 125 mm	each	10
13	Providing and fixing 150mm bright finished brass floor door stopper with rubber cushion & brass polished MS screws etc complete to suit the shutter thickness.	each	10
14	Providing and fixing powder coated aluminium door handles 2.5mm thick with necessary M.S. screws etc complete. 150 mm	each	10
15	Providing and fixing hanging powder coated aluminium door stopper with necessary M.S. screws etc complete. Single	each	10
16	Providing and fixing stainless steel butt hinges IS : 12817 marked with necessary stainless steel screws etc complete. 125x2.5mm (heavy)	each	10
17	Providing and fixing 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for tyles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of ved make and manufacture. M.S. frame covered with 5mm thick heat moulded PVC 'C' channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45degree angle on either side forming styles; and 5mm thick, 95mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel. 10mm (5mm x 2) thick, 20mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7mm (5mm+2mm) thick x 15mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per Manufacturer's specification including 3 nos ISI marked stainless steel hinges of size 100x58x1.9 mm PVC door shutter	sqm	17
18	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. Electric resistance or induction butt welded tubes Grade-250	kg	30
19	Providing and fixing M.S. frames of doors, windows, ventilators and cupboards joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of grade M-10 or with wooden plugs and screws or with dash fastener or with rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Angle-iron frames	kg	50

20	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 to be paid for separately)		
	For fixed portion	kg	150
21	Providing and fixing 12mm thick pre-laminated particle board flat pressed with ecorative lamination and balancing lamination on specified sides exterior Grade - I MDF Board 12 mm thick conforming to IS:14587, including fixed in aluminium doors, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete.	sqm	150
	With decorative lamination on both side		
22	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):	sqm	50
	With float glass panes of 6 mm thickness		
23	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	sqm	100
24	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	kg	50
25	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.	kg	150
	SS Grade 204		
26	Providing and fixing 97mm thick Gypsum board partition upto ceiling height consisting of frame work "W" / "U" / "L" sections made of G.I. sheet with zinc coating of grade 120, consisting of floor and ceiling channel 50mm wide having equal flanges of 32mm and 0.55mm thick fixed to the floor and ceiling at the spacing of 610mm centre to centre with dash fastener of 12.5mm diameter 40mm length and the studs 48mm wide having one flange of 34mm and other flange 36mm and 0.55mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm centre to centre by 6mm dia bolts and nuts at both ends of partition fixed flush to wall with rawl plugs at spacing of 450mm centre to centre and fixing of boards to either side of frame work by 25mm dry wall screws on studs, floor and ceiling channels at the spacing of 300mm centre to center and 97mm thick Gypsum board which includes one layer of tapered edge 12.5mm thick Gypsum plaster board (conforming I.S. 2095-1982) screw fixed with 25mm screws at 300mm centre to centre to either side, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, joint finisher and two coats of primer suitable for board as per manufacture's specification and Direction of Engineer-in-charge all complete.	sqm	35
27	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	sqm	50
28	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement. 40 mm thick	sqm	50
29	Providing and applying plaster of paris putty over plastered wall surface including scaffolding complete	sqm	300
30	Upto 2 mm thickness to make surface even and smooth in line and level. Providing and applying plaster of paris putty over plastered ceiling surface including scaffolding complete.	sqm	300
31	Upto 2 mm thickness to make surface even and smooth in line and level. Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.	sqm	300
	On new work (two or more coats)	sqm	300
	On old work (one or more coats)	sqm	50
32	Applying priming coat on steel work with red oxide zinc chromate primer.	sqm	50
33	Painting on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint	sqm	50
34	Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead Thickness upto 15mm	sqm	200
35	Providing and replacing broken floor tile with ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including removing the broken tile and mortar, pointing the joints with white cement mixed with matching pigment etc., complete. Size 300x300mm	sqm	60
36	Providing and replacing broken floor tile with vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including removing the broken tile and mortar, grouting the joints with white cement and matching pigments etc. complete:	sqm	60
37	Providing and replacing broken vitreous china water closet squatting pan (Indian type) including removing the broken squatting pan and mortar, cutting and making good the walls and floors wherever required: White Long pattern W.C. pan of size 580 mm	each	10
38	Providing and replacing broken vitreous china water closet (European type W.C. pan) including removing the broken water closet (European type W.C. pan) cutting and making good the walls and floors wherever required : White pedestal type	each	10
39	Providing and fixing 10 litre capacity P.V.C. low level flushing cistern conforming to IS : 7231, with all fittings and fixtures complete.		

	White	each	10
40	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:	each	10
	Flat back half stall urinal of size 460x380x250mm		
41	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 :	each	10
	White Size 550x400 mm		
42	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	each	20
	32 mm dia	each	20
	40 mm dia		
	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 Charge.	metre	20
	15 mm nominal outer dia .Pipes.	metre	20
	20 mm nominal outer dia .Pipes.		
44	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This included jointing of pipes & fittings with one step CPVC solvent cement, trenching, efilling & testing of joints complete as per direction of Engineer in Charge.	metre	20
	15 mm nominal outer dia pipes	metre	20
	20 mm nominal outer dia pipes		
45	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:	metre	20
	15 mm dia. nominal bore	metre	20
	20 mm dia. nominal bore	metre	20
	25 mm dia. nominal bore		
46	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)	each	10
	25 mm nominal bore	each	10
	32 mm nominal bore		
47	Providing and fixing G.I. Union in G.I. pipe (New work) including cutting and threading the pipe and making long screws etc. complete	each	10
	15 mm nominal bore	each	10
	20 mm nominal bore	each	10
	25 mm nominal bore		
48	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:	each	20
	Bib cock (250 grams)	each	20
	Bib cock (350 grams)	each	20
49	Hand shower set with flexible extension pipe	each	10
50	Toilet paper holder	each	10
51	Towel rail (600mm long x 20mm dia)	each	10
52	Towel ring (150 mm dia)		
53	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):	each	10
	25 mm nominal bore		
54	Constructing masonry Chamber 120x120x100 cm, inside with modular well burnt clay bricks of 35 kg/cm <sup>2</sup> in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm. top diameter, 160 mm bottom diameter and 180 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design :	each	2
55	Painting of following height steel tubular poles with two coat of enamel paint of approved brand and colour including cleaning the surface as per specification:	Each	15
	upto 6 metre		
56	SUPPLY		
	Supplying following sizes ISI marked FRLS PVC insulated copper conductor, single core wire in company pack coils.	Metre	30
	1.5 sq. mm	Metre	30
	2.5 sq. mm		
57	Providing following size ISI marked FRLS PVC insulated , PVC sheathed, flexible copper conductor wire.	Metre	30
	1.5 sq. mm three core	Metre	30
	4.0 sq. mm three core		
58	Supplying following sizes FRLS PVC insulated , PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade and as per IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).	Metre	25
	4 x 10 sq. mm.	Metre	25
	3.5 x 120 sq. mm.	Metre	25
	3.5 x 185 sq. mm.		
59	Supplying following Modular base & cover plate in sealed company packing.	Each	25
	6 Module	Each	25
	8 Module	Each	25
	12 Module	Each	25
	16 Module		
60	Supplying following modular switch, socket, other accessories in sealed company packing.	Each	25
	5/6 amps one way switch	Each	25
	5/6 amps two way switch	Each	20
	Bell push		

	15/16 amp switch	Each	20
	Fan regulator (two module size) electronic stepped type moving all rounds	Each	20
61	Supplying following accessories in delux quality in company packing.	Each	20
	Call bell/ buzzer, AC/DC, single phase	Each	20
	Call bell with cordless bell push (bell operated on 230V AC and bell push with battery cell)	Each	20
62	Supplying following ISI marked piano type switch, socket and other accessories	Each	20
	5/6 amps one way switch	Each	20
	5/6 amps two way switch	Each	20
	Bell push		
63	Supplying of following sizes ceiling fan	Each	10
	1200 mm sweep	Each	10
	1400 mm sweep		
64	Supplying of following COB LED Spot Light with Electronic Driver Heat sink Capacitor	Each	12
	6 watt	Each	12
	9 watt	Each	15
	20 watt		
65	Supplying of following LED tube light with Electronic Driver Heat sink Capacitor	Each	15
	10 watt (2 feet)		
66	Supply of approved make wall mounting type voltage stabilizer with input volts 160-250, output volts 200-240 volts as per specification.	Each	18
	4 KVA	Each	18
	5 KVA		
67	Supply of following type LED Driver for COB lights of approved make.	Each	18
	6-15 watt	Each	18
	20 watt		

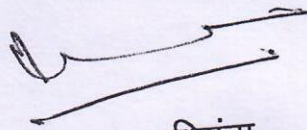
  
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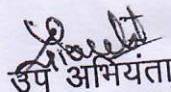
## कार्यालय नगर पालिक निगम भिलाई

कार्य का नाम :- मुख्य कार्यालय में भवनों का संधारण कार्य। (वार्षिक)  
//नियम एवं शर्तें//

1. भवनों का संधारण हेतु नियम शर्तों के अनुसार संधारण करना होगा।
2. एजेंसी द्वारा सामग्री में गुणवत्ता युक्त सामग्री का उपयोग करना होगा।
3. अधिकारियों द्वारा समय-समय पर निर्देश देने पर तत्काल कार्य करना होगा।
4. सिविल कार्य का अनुभव प्रमाण पत्र देना अनिवार्य होगा।
5. ऑफर स्पीड पोस्ट / रजिस्टर्ड डाक पोस्ट से ही स्वीकार किया जायेगा।
6. अनुबंधित एजेंसी निर्धारित अवधि तक कार्य नहीं छोड़ सकेगा न ही किसी अन्य को हस्तांतरण कर सकेगा। यदि अनुबंध के बीच की अवधि में कार्य छोड़ा गया तो पुनः निविदा बुलाकर हानि की क्षतिपूर्ति अनुबंधकर्ता से की जा सकेगी तथा उनकी सुरक्षा राशि राजसात कर ली जाएगी।
7. कार्य के दौरान किसी प्रकार की प्रतिकूल परिस्थितियों की समस्त जिम्मेदारी अनुबंधित एजेंसी को होगी।



सहायक अभियंता  
नगर पालिक निगम  
भिलाई



उप अभियंता  
नगर पालिक निगम  
भिलाई