

MUNICIPAL CORPORATION OF BHILAI

NIT

वार्ड क्र. 39 में सार्वजनिक भवन का संधारण, खेल मैदान में नयी सुविधाए एवं सीमेंटीकरण तथा नाली निर्माण कार्य। (पार्षद निधि)

(As Per PWD Building/Road SOR 01.01.2015 & Electrical SOR 01.06.2020)

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
1	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead.	3.24	Cum
2	Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead. In cement mortar.	17.10	Cum
3	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand)	70.00	Sqm
4	Providing and making 12mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	70.00	Sqm
5	Providing and making 15mm thick cement plaster of mix: In Cement mortar 1:5 (1 cement : 5 fine sand)	64.74	Sqm
6	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.	200.00	Kg
7	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	500.00	Kg
8	Providing and laying 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 grouting the joints with white cement and matching pigments etc. complete.	27.20	Sqm
9	Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	100.00	Sqm
10	Distempering with acrylic washable distemper to give an even shade. On new work (Two or more coats)	100.00	Sqm
11	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.	100.00	Sqm
12	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	50.00	Sqm
13	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. SS Grade 304	30.00	Kg
14	Providing and laying cement concrete for plain concrete/ reinforced concrete i/c form work, shuttering complete in as per drawings and specifications.(For Village roads) P.C.C. M-25	56.25	Cum
15	Excavation for all types and the sizes of foundation, trenches and drains or for any other purpose Including dressing and leveling of pits. In all types of soil.	31.20	Cum
16	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. 1:4:8(1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size)	10.40	Cum

S.N.	PARTICULARS OF ITEMS	Quantity	Unit
	Providing and fixing formwork i/c centering, shuttering, strutting, staging, propping bracing etc. complete	234.00	Sqm
17	Providing and fixing formwork i/c centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for : a) Foundations, footings; base of columns and plinth beam in any shape and size	21.45	Cum
18	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:1.5:3	643.50	Kg
19	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, bindinge as per drawings including cost of binding wire all complete. Thermo-Mechanically treated bars.	37.44	Cum
20	Carriage by mechanical transport for 5 km lead. Earth		
21	Supply of swaged steel tubular pole as per IS 2713 with base plate of size 300x300x6mm welded at bottom, necessary hole for cable entry and earthing stud welded at specified height including painting with one coat of red oxide zinc chromate primer. Designation 410 SP-50 height 11.00 metre	4	Each
22	Erection of STEEL TUBULAR or "H" BEAM/ ISMB pole in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation and cement concrete collar of size 0.4 metre dia and 0.50 metre height from ground level including excavation and refilling etc. as per specification of length: 11 metre to 12 metre	4	Each
23	Supply & fixing water tight terminal box made of 1.6 mm thick M S Sheet with detachable gland plate in bottom ----. 4 way connector & 1 No. SPMCB inside the box for cable connection fixed to pole with 2 Nos. Clamp made from 40 x 3 mm MS flat with 2 Nos. nut bolts dully painted with 2 coat red oxide paint & 2 coat aluminum paint complete as required 30 x 20 x 15 cms	4	Each
24	Supply & Making end termination with brass compression gland & aluminum lugs for following size armored aluminum conductor power cable of 1.1 KV grade as required 3 x 25 sq.mm	9	Each
25	Supply & fixing & cramping suitable size & all type aluminum ferule/lugs for following size 1.1 KV grade power cable core/lead pressed with high pressure cramping tool including connection to switch gear/MCCB etc as required 25 sq.mm.	4	Each
26	Supply & Fixing GI Pipe Along With wall or pole/support with 2 nos. MS clamp for protection of underground cable in approved manner including bolts & nuts or metal dash fasteners complete as required 40 mm dia	120.00	Meter
27	Supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B" class pipe welded to 300 mm long MS pole canopy of suitable dia at a angle of 102.50 including having MS triangular stiffner of size 150 X 50 X 5 mm thick, making arrangement for tightening the bracket with pole by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of approved steel primer etc. as required. Double Over Hang 1.50 metre Long	4	Each
28	Painting wood steel & other metallic surface with aluminum paint complete with material & labour including preparation of surface	44.00	Sqm
29	Providing & Laying Cast In situ Cement Concrete 1:3:6 graded stone aggregate 40 mm nominal size foundation including mixing with mechanical mixer compacting with vibrator finishing & currying etc complete but excluding formwork	1.02	Cum
30	Providing timber steel formwork for cement concrete work at all levels including removing of the same	13.56	Cum
31	Earthing with G.I. earth pipe 4.5 m long 40 mm dia including accessories & providing masonry enclosure with cover plate having locking arrangement watering pipe etc (But without charcoal & salt) as required	4	Set
32	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/ PVC conduit/ PVC casing capping as required. 3 x 2.50 sq.mm	48.00	mtr.
33	Providing and fixing porcelain re-wireble fuse carrier and base unit on wooden board including drilling holes on the board. screws. connections etc. as per specification. (Thimbeling shall be paid separately). 32 amps	8	Each
34	Supplying of following 230/250 volts LED Flood light fitting with all accessories like driver, heat sink made of die cast aluminium with IP 66 protection and 15 KV surge protection on pole bracket, including connection, earthing, Seperate housing for driver etc complete as per specification and P.A. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt. 300 watt	4	Each

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
35	Supplying, installation, testing and commissioning of following LED Strip Light fitting complete with Electronic Driver Heat sink Capacitor and all other accessories, including connection, earthing etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio \geq 100 lumens /watt. IP-65 5 watt per metre LED Strip	80.00	Metre
36	Supplying and laying following sizes one number PVC insulated/ XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. 2 x 16 sq. mm	100.00	Meter
37	Add Extra For Electrification Work as Per SOR 01.06.2020	7353.00	L-S

Executive Engineer
Municipal Corporation
Bhilai

Pooja
Assistant Engineer
Municipal Corporation
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Sub Engineer
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