


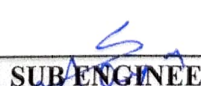
NAGAR PALIK NIGAM BHILAI

NIT

वार्ड क्र-20 वैशालीनगर टॉकी नं 02 वार्डन निर्माण कार्य।

AS PER BUILDING S.O R 01 01 2015 & NON SOR

S.NO	PARTICULAR	QTY	UNIT
1	Excavation of all types of soils for all types size of foundations and drains i/c Dressing and leveling of pits.	15.82	cum
2	Providing and laying mechanically mixed cement concrete with 40mm nominal size in plinth and foundation. 1:4:8	5.91	cum
3	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).	2.40	cum
4	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. Thermo-Mechanically treated bars FE 415	168.00	kg
5	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, base of columns and plinth beam in any shape and size.	24.00	sqm
6	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse sand)	11.35	cum
7	12 mm Thick Cement Plaster of mix: In C.M. 1:5 (1 Cement : 5 Sand)	113.50	sqm
8	Providing and placing in position angle iron and sturt of required size i/c bottom to be split and bent at right angle in opposite direction for required length and drilling holes up to 10 mm dia as per requirement i/c priming coat with red oxide zinc chromate primer and placing the post/strut in cement concrete block>	443.40	kg
9	Painting on new work (two or more coats) to give an even shade with. Aluminium paint.	336.00	sqm
10	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. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	200.00	kg
11	Painting new exterior surface (two or more coats) with PREMIUM TEXTURED paint as ...finish including cleaning washing of surface etc. complete with:On new work (Two or more coats)	232.00	sqm
12	Providing and fixing in position chain linked steel wire fabric made of 4 mm dia G.I. wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing with 2mm dia G.I. wire, G.I. staples, G.I.U-nails or steel pins etc., complete. Aperture 50x50mm	48.00	sqm
13	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, refilling & testing of joints complete as per direction of Engineer in Charge.		
	EXTERNAL WORK		
	25 mm nominal outer dia pipes	10.00	mtr.
	32 mm nominal outer dia pipes	10.00	mtr.
14	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, tamping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm		
	Pigment Coloured (rubber mould) precast interlock concrete blocks	406.86	Sqm

15	Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).	80.00	cum
16	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).	80.00	cum
17	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertiliers, soil and sand: Hedges like Alife, Dorenta, Tikoma etc Carpet grass (well developed)	120.00 235.50	each sqm
18	Steel Bench providing & Fixing Steel Bench Area- 1.2 m x 0.7m height - 0.45m above G.L. seating:- capsule pipe 22 nos (35 mm x 15 mm) support :- stand 25x 2.5 mm (thickness) NB pipe painthing stucture have bo be powder coated by best quality polyurethane paints. Benches should be procinded with hole passes for proper grip, fixing with 1:2:4 cement concrete	6.00	No
NON SOR ITEM			
19	CHILDREN PLAYING EQUIPMENTS - Supply and fixing MGR 4 seater - hright-4 ft from G.L. Base Plate- 5mm thikness Base pipe-90 od Material: Galvanized steel capacity: 4 seats	2.00	No
20	Double swing - height 3 mtr, Width 3.0m Length 3.0m Clamp- S.P. Casting clam with bearing fixing the upper body of pipe with support of 40x5 flat. Seat capacity - 2 nos. F.R.P. laminated steel sheet with the support of 30x30x3 anhle and 25x5 flat. Main frame 50x2.5 mm() @NB Pipe Frame have to be supported with 50x50x5 angle of the both sides and sides to be supported with 20 mm pipe with nut bolting system. chain - 8mm thick m.s. nikil coated high tensile chain with 's' hook. ideal for the age group 4-14 yrs. painting structure have to be powder coated by best qulity polyurethane paints and should be procinded with hole passes for proper grip foxing woth 1:2:4 cement concrete.	1.00	No
21	Seasaw height 0.4 m, width 1.5 m length 3.0m versal support - 90 mmx 2mm (thickness) NB pipe center pipe - 2 nos 90mmx2mm (thickness) NB pipe middle pipe 50mm x 2mm (thickness) base 25mm x 2mm (thickness) pipe with support of 10 mm plate. Handle 25 mm x2mm (thickness) pipe on both the ... H.P. casting system with bush & bearing . seat capacity - 4nos. F.R.P. laminated steel sheet griped with the pipe. ideal for the age group 4-14 yrs. painting struture have to be powder coated by best quality poly....paints. and should be provided with hole passes for proper grip Fixing with 1:2:4 cement concrete.	1.00	No
22	Dustber FRP Dust Bins are made of 5 mm thickness frp of different size and shaper for examle abbit kangaroo penguin, donal duck etc and panted properly with different colours.	4.00	No
23	Providing and fixing in position steel wire mesh fabric made of 20 gauge MS wire of required width in mesh to concrete/ wooden/ angle iron posts including securing and screwing, welding etc., complete. Aperture 25x25mm	36.00	sqm
<p style="text-align: center;"></p> <p>ASSTT.ENGINEER Nagar Palik Nigam, Bhilai</p>			
<p style="text-align: center;"></p> <p>SUB ENGINEER Nagar Palik Nigam, Bhilai</p>			

MUNICIPAL CORPORATION BHILAI

NIT

वार्ड क्र.-20 वैशालीनगर टंकी नं. 02 गार्डन में ट्यूबलर पोल लगाने का कार्य।

(As Per Electrical S.O.R. 01.06.2020)

S. No.	Details of Item	Qty.	Unit
1	Supply of swaged steel tubular pole as per IS2713 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 red oxide zinc chromate primer Designation 410 SP-30 height 9.00 meter	1	Nos
2	Erection of steel tubular or rail pole in cement concrete 1:3:6 graded stone aggregate 40mm nominal size foundation including excavation and refilling etc. as required of length: 7metre to 10 metre	1	Nos
3	Supply and fixing water tight terminal box made of 1.6mm thick M S Sheet with detachable gland plate in bottom, hinged front open able cover, rubber gasket, having 2nos 4 way connector and 1No. SPMCB inside the box for cable connection, fixed to pole with 2 nos. clamp mad from 40X3mm M.S. lat with 2 Nos. nut bolt dully painted with 2 coat of red oxide paint and 2 coats aluminium paint complete as required 30X20X15 cms. Item 19.16.2	1	Nos
4	Supply and laying following sizes one number PVC insulated, PVC sheathed steel armored, aluminium conductor power cable of 1.1KV grade in existing RCC/ HUME/ STONEWARE/ METAL pipe as required : 4X 16sq.mm	30.00	Mtr
5	Supply and making end termination with brass compression gland and aluminium lugs for following size armored aluminium conductor power cable of 1.1KV grade as required : 4X 16sq.mm	2	Nos
6	Supply, 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 gear/MCCB etc as required: 16sqmm	6	Nos
7	Supply of GI PIPE POLE made of "B" class GI pipe making necessary hole for cable entry and providing earthing stud (welded at specified height) including painting with one coat of red oxide zinc chromate primer. 50mm dia.	10	Mtr
8	Painting new steel and other metallic surface with red oxide zinc chromate primer paint complete with supply of material labuor etc. including preparation of surface.	10.00	Sqm
9	Painting of following height steel tubular poles with two coat of approved colour and shade synthetic enamel paint including cleaning the surface as required: Above 8 metre and upto 10 metre	1	Each
10	Earthing with G.I. earth pipe 4.5m long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement watering pipe etc. (But without charcoal and salt) as required.	1	Nos
11	Supply and drawing following size of FR PVC insulated copper conductor, single core cable in the existing surface/ concealed, steel/PVC conduit/PVC casing as required: 2 X 1.50sqmm.	20.00	Mtr
12	Supplying and fixing SP MCB, 240 volts, 'C' curve, suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	1	Nos
13	Supplying fixing of 32 mm dia X 2meter long G.I. pipe (light) bracket for mounting street light fitting of all types on poles including bending the pipe to the required shape, 2 Nos 40 X 3mm flate iron clamp with bolts and nuts including wiring with 1.5Sqmm W.P./PVC wire etc. as required.	4	Nos
14	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 15 KV surge protection on pole bracket, including connection, earthing, Separate housing for driver etc complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt. 90 watt	4	Nos



ASST.ENGINEER

Nagar Palik Nigam, Bhilai



SUB ENGINEER

Nagar Palik Nigam, Bhilai