

# NAGAR PALIK NIGAM BHILAI


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## NIT

वार्ड क्र.-20 वैशालीनगर में त्रिकोणा पार्क छोटे उद्यान का 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.	4.05	cum
2	Providing and laying mechanically mixed cement concrete with 40mm nominal size in .....plinth and foundation. 1:4:8	1.35	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).	0.50	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	45.00	kg
5	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)	1.80	cum
6	12 mm Thick Cement Plaster of mix: In C.M. 1:5 ( 1 Cement : 5 Sand)	45.00	sqm
7	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>	342.00	kg
8	Painting on new work (two or more coats) to give an even shade with. Aluminium paint.	408.35	sqm
9	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.	619.00	kg
10	Floor painting with superior quality enamel paint to give an even shade. On old work (one or more coats)	440.00	sqm
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 )	280.00	sqm
12	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).	200.00	cum
13	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).	200.00	cum
14	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)	100.00 90.00	each sqm
<b>NON SOR ITEM</b>			
15	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	4.00	No
16	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

17	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	135.63	sqm
			
ASSTT.ENGINEER		SUB ENGINEER	
Nagar Palik Nigam, Bhilai		Nagar Palik Nigam, Bhilai	

**MUNICIPAL CORPORATION BHILAI**

**NIT**

**वार्ड क्र.-20 वैशालीनगर में त्रिकोणा पार्क छोटे उद्यान 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

**ASSTT.ENGINEER**

**Nagar Palik Nigam, Bhilai**

*(Signature)*  
**SUB ENGINEER**

**Nagar Palik Nigam, Bhilai**