


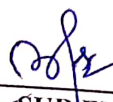
NAGAR PALIK NIGAM BHILAI

NIT

विधायक निधि अंतर्गत वार्ड क्र.-15 अम्बेडकर नगर में सार्वजनिक विद्या बाल उद्यान निर्माण कार्य।

(As per P.W.D building S.O.R W.E.F01.01.2015 & Electrical S.O.R. 01.06.2020) & Non SOR Item

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.		
		12.05	cum
2	Providing and laying mechanically mixed cement concrete with 40mm nominal size inplinth and foundation. 1:4:8		
		2.95	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) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in: Cement Mortar 1:6 (1 cement : 6 coarse sand)		
		5.00	cum
6	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.		
		12.80	cum
7	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete .. sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Plain/ normal coloured precast interlock concrete block		
		64.00	sqm
8	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. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
		1.87	cum
9	12 mm Thick Cement Plaster of mix: In C.M. 1:5 (1 Cement : 5 Sand)		
		45.00	sqm
10	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>		
		136.80	kg
11	Painting on new work (two or more coats) to give an even shade with. Aluminium paint.		
		192.35	sqm
12	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
13	Floor painting with superior quality enamel paint to give an even shade. On old work (one or more coats)		
		200.00	sqm
14	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)		
		160.00	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).		
		200.00	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).		
		150.00	cum

17	Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand; Hedges like Alife, Dorenta, Tikoma etc	80.00	each
	Carpet grass (well developed)	50.00	sqm
18	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	4	Nos
19	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	4	Nos
20	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, SPACB 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	4	Nos
21	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	120.00	Mtr
22	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
23	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	24	Nos
24	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.	40	Mtr
25	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
26	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	4	Each
27	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.	4	Nos
28	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.	80.00	Mtr
29	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.	4	Nos
30	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 flat iron clamp with bolts and nuts including wiring with 1.5Sqmm W.P./PVC wire etc. as required.	16	Nos
31	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	16	Nos
32	NON SOR ITEM 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 painting 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		
33	NON SOR ITEM Dustber FRP Dust Bins are made of 5 mm thickness frp of different size and shaper for examble abbit kangaroo penguin, donal duck etc and panted properly with different colours.	5.00	No
		2.00	No
<div style="display: flex; justify-content: space-between;"> <div>  ASSTT. ENGINEER Nagar Palik Nigam, Bhilai </div> <div>  SUBENGINEER Nagar Palik Nigam, Bhilai </div> </div>			