


NAGAR PALIK NIGAM, BHILAI

NIT

वार्ड क्र.-25 जवाहर नगर इंदिरा गांधी कॉलेज के सामने वैडिंग जोन निर्माण कार्य।

As Per Building / Road S.O.R. 01.01.2015 & NON SOR ITEM

S.No.	Description and details of work	Qty.	Unit
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.	424.50	cum
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.		
		328.00	cum
3	Providing and fixing form work including centring, shuttering, strutting, staging, .. levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.		
		42.00	sqm
4	Providing and laying nominal mix reinforced cement concrete with crushed stone ..works upto plinth level excluding cost of form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).		
		4.20	cum
5	Providing and placing in position reinforcement for R.C.C. work including .. including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415		
		336.00	kg
6	60mm thick precast interlocking concrete blocks of approved size (approx 300 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, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm		
	Pigment Coloured (rubber mould) precast interlock concrete blocks	1615.00	sqm
7	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.		
	1:1.5:3 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	11.21	cum
8	Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level:		
	Cement Mortar 1:4 (1 cement : 4 coarse sand) sqm 382.00	44.16	cum
9	Providing and making 12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)		
		322.00	sqm
10	Providing and applying for old work or existing old putty (manufactured with cow dung processing) on walls to make the surface smooth and even.		
		375.00	sqm
11	Painting exterior surface with SMOOTH exterior emulsion paint of manufactured with cow dung processing to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (One or more coats applied @ 1.43 ltr/ 10 sqm)		
		697.00	sqm

12	ROAD SOR Direction and Place Identification signs with size more than 0.9 sqm size board. (Providing and erecting direction and place identification retro- reflectorized sign as per IRC:67-2012 made of Micro prismatic grade type reflective sheeting vide clause 801.3, fixed over aluminum sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 75mm x 75mm x 6mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45cm x 45cm x 60cm, 60cm below ground level as per approved drawing)		
		5.00	sqm
13	NON SOR ITEM Supplying, Installing, Testing of White LED Strip Light in Tree.		
		50.00	each
			
ASSTT.ENGINEER		SUB ENGINEER	
Nagar Palik Nigam, Bhilai		Nagar Palik Nigam, Bhilai	

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MUNICIPAL CORPORATION BHILAI

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वार्ड क्र.-25 जवाहर नगर इंदिरा गांधी महाविद्यालय के सामने वेडिंग जोन 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	5	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	5	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	5	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	150.00	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	10	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	30	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.	50	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.	50.00	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	5	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.	5	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.	100.00	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	5	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.	20	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. 120 watt	10	Nos

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