THE THE CORPORATION OF BHILAI

वार्ड 68 सेक्टर 8 एसपीए एवं सड़क 14 के मध्य मैदान में उद्यान का कार्य

S.N.	As Per PWD Building & Road SOR 01 01 2017				
	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including area), including dressing and leveling of pits. PARTICULERS OF ITEMS disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excess the excess of the exces				
1	As Per PWD Building & Road SOR 01.01.2015, Electrical SOR 01.06.2020 & NON SOR ITEM Excavation for all types and sizes of foundations, trenches and drains or for all types and sizes of foundations.				
		Owner			
,	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete excluding cost of form work.	Quantity	UOM		
2	mixer in all	52.480	0		
2	excluding a works upto plinth level	32.400	Cum		
	excluding cost of form work.				
	Providing out 1 4 coarse sand : 8 cm 1				
	1.4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size). Concrete mixer in all works unto plant aggregate 40mm nominal size).	16.000	Cum		
3	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using excluding cost of form work.				
	excluding cost of form work. 1:1½:3 (1 correct work)				
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm Providing and filling in all the state of				
	Providing and Size).	11.070	Cum		
4	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not dressing etc. complete.	ł			
	exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including Providing & laying 60mm thick present in the consolidation of				
	Providing to the large state of the position of the providing and watering including	30.210	Cum		
	sacm) or L. L. Sacm) or L. Sac	30.210	Cum		
5	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 filled by fine sand including leveling with surface vibrator, temping and sweeping etc. according to the control of the same than the same time.	-			
-	filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of Plain/ normal coloured as	1			
	minimum compressive strength of 250 kg/sq.cm	64.000	sqm		
	Plain/ normal coloured precast interlock concrete blocks Providing and placing in position rainforms.				
6	handing and placing in position reinforcement for R C C work in L is				
	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, including cost of him.		1		
	including cost of hinding wire in C	626.8	kg		
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.				
′	mixer in all works upto plinth level excluding cost of form work.	0.68	Cum		
	1.2. (1 centent, 2 coarse sand : 4 graded etc.	0.00			
	and a state of the work illefting centring chuffering chuffering chuffering		Cum		
x i	resident its removal at all levels for	7.60			
	Columns, beams & walls- circular or any other geometrical shape other than square and rectangular in	7.68	Cum		
	all Sizes				
	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and				
	applying a priming coat of red oxide zinc	107.77	kg		
	chromate primer. In stringers, treads, landings etc. of stair cases including use of chequered plate				
	wherever required, all complete.				
0	Providing and making 12mm thick cement plaster of mix:	5.52	sqm		
	n Cement Mortar 1:4 (1 cement : 4 fine sand) Finishing walls with water proofing cement paint of required shade to give an even shade.				
1	finishing walls with water proofing centent paint of required shade to give an even shade.	5.52	sqm		
	On new work (Two or more coats applied @ 3.84 kg/10 sqm) Painting on new work (two or more coats) to give an even shade with:				
		5.10	sqm		
2	Satin synthetic enamel paint Surface dressing of the ground including removing vegetation and making up undulations Surface dressing of the ground including removing vegetation and making up undulations				
		81.36	sqm		
3 a	Ind in-equalities not exceeding 15 cms in depth regime. If and lead upto 50m (at least 5m away from the dressed area). If and lead upto 50m (at least 5m away from the dressed area).				
r	n lift and lead upto 50m (at least 5m away from the dressed dres): Providing and laying nominal mix plain cement concrete with crushed Providing and laying nominal mix plain cement concrete with crushed				
F	Providing and laying nominal mix plain cernell consider that the construction of the c	2.05	•		
í s	tone aggregate using conclete makes tone aggregate 4 coarse sand : 8 graded stone aggregate	3.05	Cum		
1 1	and the cost of form work is not to the second of the seco				
	ainal cizal				
F	omm norminal sizers. In a providing and laying nominal mix reinforced cement concrete with crushed stone aggregate providing and laying nominal mix reinforced cement concrete with crushed stone aggregate with crushed stone aggregate with crushed stone aggregate with crushed stone aggregate 20mm nominal size).	7.01	•		
_ lu	sing concrete mixer in all worlds, a graded stone aggregate 20mm nominal size).	7.01	Cum		
' lc	ement: 1½ coarse sand: 9 grade				
	rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of rick work with modular				
В	rick work with modular hy-asi. and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse	9.15	Cum		
5 c	rick work with modular fly-ash lime bricks (FaLG Bricks) confirming to 13:12894-2002 of lass designation 4.0 in foundation and plinth in:Cement Mortar 1:6 (1 cement : 6 coarse and) 5mm thick cement plaster on the rough side of single or half brick wall of mix:		Juil		
٥	and) trater on the rough side of single or nair brick wall of mix:	111.88	C		
-13	From thick cement plaster on the		Sqm		

	nite washing with whiting to give an even shade. On new work (Three or more coats) Distempering with acrylic washable distemper to give an even shade.		
	Distempering with acrylic washable distemper to give an even shade. On new work (Three or more coats) more coats) Providing and placing in position angle iron post and at the coats.		
	more coats)	111.88	
1	Providing and placing in position angle iron post and strut of required size including bottom to		Sqm
20	be split and bent at right angle in opposite direction for required size including bottom to 10 mm dia as per requirement including priming coat with red oxide zing characters.	111.88	Sqm
20	be split and bent at right angle in opposite direction for required size including bottom to 10 mm dia as per requirement including priming coat with red oxide zinc chromate primer and placing the post/ strut in cement concrete block.		-
	placing the post/ strut in cement concrete block	1007.101	- 1
21	Painting on new work (two or more coats) to give an even shade with: Premium synthetic	1007.101	Kg
21	lenamel paint		
		368.62	2
22	including securing and screwing with G.I. tying wire, G.I. staples, G.I.U-nails or steel pins etc.,	000.02	Sqm
	ICOMplete	400.00	
,	Supply Of Swaged steel tubular Pole as per IS 2713 with base plate of size 300 x 3000 x 6 mm welded at bottom specified height including painting with one coat of red evidence.	183,08	Sqm
23	at bottom specified height in the state of the state		
	at bottom specified height including painting with one coat of red oxide zinc chromate primer. Exercise of SP-26 height 9.00 metre	1	r
	Erection of STEEL TUDLI AP THE SECTION OF STEEL TUDLI AP THE SECTI	1	Each
24	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 gire).		
24	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: 7 metre to 10 metre	1	Each
	Supplying and fixing water tight terminal to		1
	Supplying 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 rubben and the fixed made of 1.6mm thick M.S. sheet with detachable gland		
25	plate in bottom, hinged front open able cover, rubber gasket, having 1 Nos 4way connector and 1 No		Each
23	SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 40x3mm M.S.	1	
	flat with 2 No nut bolt dully painted with 2 coat of red oxide paint and 2 coat aluminium paint complete as per specification.	•	
	30 x 20 x 15 cms		
	Supplying and making end termination with brass compression gland and aluminum lugs for following		
26	size armoured aluminum conductor power cable of 1.1 KV grade as per specification.3 X 25 sq. mm	3	Each
	(25 mm	3	Zuo
	Supply & fixing & cramping suitable size & all type aluminum ferule/lugs for following size 1.1 KV		
27	grade power cable core/lead pressed with high pressure cramping tool including connection to switch	2	Each
21	gear/MCCB etc as required 25 sq.mm.	2	Each
	ltem - 17.28.4		
	Supplying and fixing G.I. pipe along with wall or pole/ support with 2 Nos MS clamps for protection of		
28	under ground cable in approved manner including bolts and nuts or metal dash fasteners complete as	50	Meter
20	per specification. 32 mm dia	,	
29 F	Painting new steel and other metallic surface with red oxide zinc chromide primer paint complete with	6.3	Sqm
	upply of material labour etc. including preparation of surface		-
S	supply and fixing following street light pole bracket on existing pole made out of 50 mm dia MS "B"	-,	
- 1	to a single of 102.50 mm long MS note canony of suitable dia at a angle of 102.50 including naving		Each
- 1.	40.4 to the stiffeness of size 150 Y 50 X 5 mm thick making arrangement for tightening the bracket	2	
ן טכ	it was by providing suitable size heavy duty nuts and bolts in canopy, painting with one coat of	F	
la	opproved steel primer etc. as per specification. Double Over Hang 1.50 metre Long		
	Point complete with material and	-	
P	ainting wood steel and other metallic surface with Aluminium Paint complete with material and	6.3	Sqm
1 la	bour including preparation of surface.		
Pr	bour including preparation of surface. oviding and laying Cast-in-situ cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone in the probability of the pr	0.25	Cum
2 00	grante 40mm including mixing with mechanical mixer, compared g		
	rrying etc. complete but excluding form work.		
D	rrying etc. complete but excluding form work. oviding timber / steel form work for cement concrete work at all levels including removing of the	2.83	Sqm
3	oviding times.		
sa	me. rthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry arrangement and watering pipe etc. with charcoal and salt as	1	Set
	til plate having locking artangers	1	
l en	r specification and IS Code 3043: 1987(R 2016) pplying and drawing following sizes of FRLS PVC insulated copper conductor, multi strand wire in pplying and drawing following sizes of FRLS PVC conduit / PVC casing caping as per specification and IS:		
pe	r specification and 15 Code 50 51.	18	Sqm
Su	r specification and is code services of FRLS PVC insulated copper conductor, muta strain whe in pplying and drawing following sizes of FRLS PVC casing caping as per specification and IS: existing surface/ concealed, FRLS PVC conduit / PVC casing caping as per specification and IS:	10	Squi
the	existing surface/ concealed, FREST TO Comments		
ILLIC	4 (2010), 3 x 2.50 sq.mm	3 1	Each
69.			Lacil
69.	oviding and fixing porcelain re-wireble fuse carrier and fixing fuse fuse fuse fuse fuse fuse fuse fuse	'	
69-	existing surface/ concealed, 1765 11 24 4 (2010). 3 x 2.50 sq.mm 4 (2010). 3 x 2.50 sq.mm (2010)		

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	plying, 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 ete complete as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 120 lumens /watt.120 watt Supplying and laying following sizes one number FRLS PVC insulated/XLPE, PVC sheathed, steel Supplying and laying following rower cable of 1.1 KV grade direct in ground at a depth not less than	1	Each
38	armoured, aluminum conductor posterior, sand cushioning, protective covering and refilling the 40 cm and upto 90 cm including excavtion, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1).	20	mtr
39	Supplying, installation, testing and commissioning of following LED Rope light complete as per specification and IP65, P.F. should be greater than 0.75 9 Watt per Metre White / Warm White	10	mtr

Asstt. Engineer **Municipal Corporation** Bhilai(C.G.)

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