

# MUNICIPAL CORPORATION BHILAI (C.G.)

## NIT

कार्य का नाम :- वार्ड-18 चन्द्रा मौर्या टॉकीज के सामने नेशनल हाईवे के पास भक्त माता कर्मा चौक का संधारण एवं सौन्दर्यीकरण कार्य।


Pwd Building Sor 01.01.2015 & Electric Sor 01.06.2020

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 soil	4.43	Cum
2	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. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	0.67	Cum
3	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	12.56	Sqm
4	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	2.00	Cum
5	Providing and laying nominal mix reinforcement cement concrete with crushed stone aggregate using concrete mixer in all works upto floor five level excluding cost of reinforcement and form work. 1:1 ½ :3 (1 cement : 1 ½ coarse sand : 3 graded stone aggregate 20mm nominal size) + Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	2.88	Cum
6	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	487.80	Kg
7	Brick work with modular fly-ash lime bricks (FALG Bricks) conforming to IS:12894-2002 of class designation 40 in foundation and plinth in :Cement Mortar 1:6	0.72	Cum
8	Providing and filling in plinth with sand/Crusher dust and hard moorum under floor, including ----- cost of all labour, materials, T & P etc. complete required for the work.	3.60	Cum
9	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	9.60	Sqm
10	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	20.00	Sqm
11	Painting exterior surface with SMOOTH exterior emulsion paint of manufacturerd 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)	30.00	Sqm
12	Providing and applying 2mm thick ready mix exterior grade putty (manufacturerd with cow dung processing) on walls to make the surface smooth and even.	30.00	Sqm
13	15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above) Granite stone grey/pink	21.60	Sqm
14	Cement art Mural work	4.80	Sqm

15	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc complete. SS Grade 304	100.00	Kg
16	Supplying, installation, testing and commissioning of Acrylic LED light (a) Specification of Acrylic 3 mm thick x 3 " width x 4 " depth *(imbose) (b) Specification of LED modules :- Each Moduel should have 6 Nos LED of 1 watt	45.00	Sqft
17	Road Markers/Road Stud with Lens Reflector (Providing and fixing of road stud 100x 100 mm, die cast in aluminum, resistant to corrosive effect of salt and grit, fitted with lens reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BIS:873, part-IV:1973	100.00	Each
18	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes	50.00	Sqm
19	Supplying , installation , testing and commissioning of following type Recessed LED inground/pathway Lighting fixture with IP67 protected Die-Cast Aluminum housing and High purity Lenses for superior performance..... lenses. Driver shall be 3 stage Constant Current Constant Voltage with voltage range of 150-270V AC. Output voltage of driver should be complied to Safety Extra Low Voltage norms not exceeding 60V DC. Driver Power factor shall be 0.95 and above and THD shall be less than 10%	4.00	Each
20	Supplying ,Installation, testing and commissioning of hybrid solar street luminaire of housing made of extruded Aluminium and IP65 ingress protection. The all in one solar street lighting system having system lumen output up to 120 LPW (as per LM79 report of NABL accredited lab only), CCT of 6500k (+/- 500k) and CRI > 70, L70 should be of 50000 hours or more. The luminaire.... with full power mode and upto 36Hrs. of autonomy with saving mode. Specially designed in built PIR sensor allows to sense motion i.e. if a human is within sensor range then streetlight is at 100% full power lighting mode otherwise if no movement is detected to save energy it dims down to 30% of power. 60w ,90Wp Monocrystalline Panel - 12.8V 52Ah Lithium Ferro Phosphate (LifePo4) battery	1.00	Each
21	Supplying, installation, testing and commissioning of following 230/250 volts LED BOLLARD fitting cool white/warm white {Colour Temperature 3000/4000/5600/6000 K} with electronic driver, heat sink, capacitor and all other accessories on existing foundation/ pole bracket, including connection, earthing etc complete as per specification. P.F. should be greater than 0.9. LED chip efficacy ratio > 100 lumens /watt.	8.00	Each
22	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	12.00	Sqm
20	Add 5% For Electrification	23788.00	RS

  
Executive Engineer  
Municipal Corporation  
Bhilai (C.G)

Asstt. Engineer  
Municipal Corporation  
Bhilai (C.G)

  
Sub-Engineer  
Municipal Corporation  
Bhilai (C.G)