

# MUNICIPAL CORPORATION OF BHILAI

NIT

कार्य का नाम- वार्ड कं. 70 हुडको श्रीराम चौक से दशहरा मैदान तक निर्मित बस स्टॉप का संधारण कार्य।

As Per PWD Building SOR 01.01.2015 & Road sor 2025

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
1	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.	8.00	Cum
2	Providing and laying nominal mix cement concrete with crushed stone aggregate using concrete mixer in foundation, plinth and at ground level excluding cost of form work. 1:4:8(1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) @ Rs.2659.00/m <sup>3</sup>	4.00	cum
3	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)	1.12	sqm
4	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)	60.00	sqm
5	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, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm Pigment Coloured (rubber mould) precast interlock concrete blocks	24.00	SQM
6	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).	0.63	Cum
7	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm	60.00	sqm
8	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint	120.00	sqm
9	Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer	200.00	kg
10	vSupply and fixing of precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	30.00	sqm

11	<p style="text-align: center;">8</p> Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete	36.00	sqm
12	<b>Overhead Signs as per Clause 8.2.</b> Providing and erecting overhead sign including fixing of retro- reflectorized sheeting digitally printed of Class-C Micro Prismatic Grade Sheeting of Type-XI conforming to ASTM D 4956 including covering with transparent sheeting (lamination sheeting) to protect from fading and damage due to weather effect as per IRC:67-2022 made of retro-reflective type sheeting vide clause 801.3, fixed over Aluminum sheeting of overall thickness 2mm including application of fluorocarbon coating applied on exposed surface of aluminium to ensure corrosion resistance, with appropriately supported by a mild steel back frame of ISA 40 x 40 x 5 mm including all panels supported by diagonal members and painting all exposed components of the signs and supports with primer and 2 coats of epoxy paints or powder coating as per clause 7.2 of IRC:67-2022) and erecting the sign board mounted over back support frame with vertical and lateral clearance as per clause 802.2 and 802.3 and relevant clauses and installed over a designed support system as per clause 802.6 of aluminum alloy or galvanized steel trestles and trusses of sections and typer as per structural design requirements and approved plans. (Note: The details of manufacturer, type of sheeting, month and year of installation, project details and other details along with QR code as detailed in clause 13.2 and Annexure-VII of IRC:67-2022 shall be printed on back side of the sign board. Class-C Microprismatic Grade sheeting of Type XI, fixed over 2mm thick Aluminium sheet as detailed above, for over head sign	1.74	sqm

  
 Asstt. Engineer  
 Municipal Corporation  
 Bhilai (C.G)

  
 Sub Engineer  
 Municipal Corporation  
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