MUNICIPAL CORPORATION BHILAI (C.G.) NIT

of work :- वार्ड कं. 69 हास्पिटल सेक्टर सडक 04 मेनोनाईट चर्च के समीप डोम शेड निर्माण कार्य।

As per Building SOR 01.01.2015

Escavation 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 ptts. In all types of soil 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). 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. 1:11/2:3 (1cement: 111/2 coarse sand: 3 graded stone aggregate 20 mm nominal size). Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including straightening, cutting, bending, binding etc. complete: Thermo-Mechanically treated bars FE 415 @80kg/cum of R.C.C 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 levels, for: Foundations, footings, bases of columns plinth beam, curtain wall in lays hape and size and all type of wall below plinth level, for foundation 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 required/b bolts, must and washers for fastening etc. complete with applying a required/b, bolts, must and washers for fastening etc. complete with applying a required/b, bolts, must and washers for fastening etc. complete with applying a required/b, bolts, must and washers for fastening etc. complete with applying a required/b, bolts, must and washers for fastening etc. complete with applying a graded stone and price in the foundation and plinth		Particulars	Qty	Unit
other purpose including disposed of excavated area), including dressing and leveling of pits. In all types of soil 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). 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. 1:11/2:3 (1cement :11/2 coarse sand :3 graded stone aggregate 20 mm nominal size). 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 in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415 @80kg/cum of R.C.C Providing and fixing form work including centring, shuttering, strutting, staging-propping bracing etc. complete and including its removal at all layer of work including cost of binding wire in foundations, footings, bases of columns plinth beam, curtain wall in lay shape and size and all type of wall below plinth level, for foundation 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, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level consisting of columns trusses, position upto			,	
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Providing and laying nominal mix reinforced cement concrete with clusted stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 1:11/2:3 (Icement :11/2 coarse sand :3 graded stone aggregate 20 mm nominal size). Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: Thermo-Mechanically treated bars FE 415 @80kg/cum of R.C.C. Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all propping bracing etc. complete and including its removal at all any shape and size and all type of wall below plinth level, for foundation any shape and size and all type of wall below plinth level, for foundation 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 involved the provided provided by the properties of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth per position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth per position upto a height of 5m above plinth level, consisting of columns trusses, position upto a height of 5m above plinth per position upto a height of 5m above plinth level, consisting o	Providing an aggregate us form work.	d laying nominal mix plain cement concrete with crushed stone ing concrete mixer in all works upto plinth level excluding cost of 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm	11.83	Cum
Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including treated bars FE 415 @80kg/cum of R.C.C. Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all propping bracing etc. complete and including its removal at all propping bracing etc. complete and including its removal at all propping bracing etc. complete with level, for foundation 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 in built-up sections, trusses and frame work including cutting, hoisting, fixing in 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. Electric resistance or induction but welded tubes Grade-250 Vertical tubuler post 200 mm medium plate in post structural Steel truss purlin & bracing Nut Bolt, Plate & miscellenious 10% Supply and fixing of precoated galvanized iron profile sheets (size, shapeand pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/-5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in240mpa steel grade, 5-7 microns epoxy primer on both side of the sheetand polyester top coat 15-18 microns	Providing a stone aggre cost of for	nd laying nominal mix reinforced cement concrete with crushed gate using concrete mixer in all works upto plinth level excluding m work. 1:11/2:3 (1cement :11/2 coarse sand :3 graded stone	9.68	Cum
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. for foundation 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 required), bolts, nuts and washers for fastening etc. complete with applying a required tubes Grade-250 Vertical tubuler post 200 mm medium plate in post butt welded tubes Grade-250 Vertical tubuler post 200 mm medium plate in post structural Steel truss purlin & bracing Nut Bolt ,Plate & miscellenious 10% Supply and fixing of precoated galvanized iron profile sheets (size, shapeand pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/-5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in240mpa steel grade, 5-7 microns epoxy primer on both side of the sheetand polyester top coat 15-18 microns	Providing a straighten cost of bir treated ba	and placing in position reinforcement for R.C.C. work including ing, cutting, bending, binding etc. complete as per drawings including ading wire in foundation and plinth all complete: Thermo-Mechanically ars FE 415 @80kg/cum of R.C.C	967.6	Kg
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 required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. Electric resistance or induction butt welded tubes Grade-250 Vertical tubuler post 200 mm medium plate in post structural Steel truss purlin & bracing Nut Bolt ,Plate & miscellenious 10% Supply and fixing of precoated galvanized iron profile sheets (size, shapeand pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/-5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in240mpa steel grade, 5-7 microns epoxy primer on both side of the sheetand polyester top coat 15-18 micronss 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 completeupto any pitch in horizontal/ vertical or curved surfaces excluding the costof purlins, rafters and trusses and including cutting to size and shape wherever required. 10% extra for slope 5% extra for DRAIN	Providing propping levels, for any share	g and fixing form work including centring, shuttering, strutting, staging, bracing etc. complete and including its removal at all or: Foundations, footings, bases of columns plinth beam, curtain wall in ore and size and all type of wall below plinth level. for foundation	11.20	Sqm
pitch of corrugation as approved by Engineer in State 1 (200 mps) and the sheet of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and grade or with polyester top coat grade, 5-7 microns epoxy primer on both side of the sheet and grade or with polyester top coat grade or with polyester top coat grade	Steel wo in built-position roof and require priming	ork in tubular (round, square or rectangular hollow tubes etc.) structure up sections, trusses and frame work including cutting, hoisting, fixing in upto a height of 5m above plinth level, consisting of columns trusses, dibottom purlins, base plate, holding down bolts, wind ties bracing (if d), bolts, nuts and washers for fastening etc. complete with applying a goat of red oxide zinc chromate primer. Electric resistance or induction		kg
Rm 72.00 Rm	pitch of coated grade, 5 15-18 r coated washer pitch in rafters	thickness (TCT), Zinc coating 120gsm as per IS: 277 in240mpa steel thickness (TCT), Zinc coating 120gsm as per IS: 277 in240mpa steel 5-7 microns epoxy primer on both side of the sheetand polyester top coat nicronss of size (5.5x 55mm) with EPDM seal or with polymer J or L hooks, bolts and nuts 8mm diameter with bitumen and G.I.limpet s or with G.I. limpet washers filled with white lead completeupto any horizontal/ vertical or curved surfaces excluding the costof purlins, and trusses and including cutting to size and shape wherever required.	189.98	
	1 1		72.00	Rm

9	Applying priming coat on steel work with red oxide zinc chromate primer	120	
	Painting on new work (two or more coats) to give an even shade with Aluminium paint	120	Sqm.
11	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)	1.3	Cum
12	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. 9.57.1 SS Grade 204	50.0	KG
40	Excavation for all types and sizes of foundations, trenches and drains or	17.6	cum
14	for any other purpose including <u>disposal</u> Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost o form work.	f 1.76	cum
	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.	4.4	cum
16	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 same below the surface vibrator, temping and sweeping etc. complet	.d e 88	sqn
- 0	of minimum compressive strength of 250 kg/sq.cm rubble mould Carriage by mechanical transport upto 5 km lead: 26.1 Earth	17.6	cui

EXECUTIVE ENGINEER
MUNICIPAL CORPORATION
BHILAI

ASSISTANT ENGINEER
MUNICIPAL CORPORATION
BHILAI

SUB ENGINEER
MUNICIPAL CORPORATIO