

MUNICIPAL CORPORATION, BHILAI

NIT

कार्य का नाम - अहमद नगर केम्प 02 में सार्वजनिक सामुदायिक भवन निर्माण कार्य हेतु।

(As per P.W.D Building SOR w.e.f -01.01.2015 & Electrical SOR 1.06.2020)

S.No.	Details of item	Quantity	Unit
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff up to 1.5 m lift and lead up to 50m (at least 5m away from the excavated area), including dressing and leveling of pits. In all type of soil. (Page-9 Item-1.1.1)	23.13m ³	Cum
2	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works up to plinth level excluding cost of form work. 1:4:8 graded stone aggregate 40mm nominal size. (Page-23 Item-3.1.2)	6.55m ³	Cum
3	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth five level excluding cost of form work. 1:1½:3 graded stone aggregate 20mm nominal size). (Page-23 Item-3.2.1)	5.98m ³	Cum
4	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth five level excluding cost of form work. 1:1½:3 graded stone aggregate 20mm nominal size). (Page-23 Item-3.2.1) + 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 :) = (Page-23 Item-3.2.1+3.4)	10.48m ³	Cum
5	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. (Page-24 Item-3.12.1)	1646.0kg	KG
6	Providing and fixing form work including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Foundations, footings, base of columns and plinth beam curtain wall in any shape and size and all type of wall below plinth level. (Page-16 Item-2.1.1)	24.12m ²	Sqm
7	Providing and fixing form work including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Columns, Pillars, Piers and likes- rectangular or square in shape. (Page-16 Item-2.1.5)	28.80m ²	Sqm
8	Providing and fixing form work including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ). (Page-16 Item-2.1.7)	71.80m ²	Sqm
9	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. (Page-11, Item-1.18)	61.04m ³	Cum
10	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: C M 1:6 (Page-45 Item- 7.5.4)	4.32m ³	Cum
11	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 40 in foundation and plinth in: C M 1:6 @ ₹.3263.00/cum+ Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth @ ₹.121.00/cum = (Page-45 Item- 7.5.4+ 7.6)	19.20m ³	Cum
12	Providing and making 6mm thick cement plaster of mix : in Cement Mortar-1:3 (Page-103 Item-11.1.1)	47.65m ²	Sqm
13	Providing and making 12mm thick cement plaster of mix : in C.M.-1:5 (Page-103 Item-11.2.3)	89.60m ²	Sqm
14	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix : In C M -1:6 (Page-103, Item-11.3.4)	103.20m ²	Sqm
15	Providing and making 12mm thick cement plaster of mix: In C M 1:5 @ ₹.96.50/sqm. + Neat Cement punning. @ ₹.33.00/sqm = (Page-103 Item-11.2.3 + 11.5)	4.0m ²	Sqm
16	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: (Page-112, Item-12.	31.11m ²	Sqm
17	Providing & laying ceramic glazed wall tiles conforming to IS:15622 of approved make, colour, shade and size on wall and dados over 12mm thick bed of C.M. 1:3 and jointing with grey cement slurry @3.3kg per sqm including pointing in white cement mixed with matching pigment Complete : Size up to 200X300mm (Item-12.7.1)	24.0m ²	Sqm
18	Cement concrete flooring with cement concrete 1:2:4 graded stone aggregate 20mm finished with a floating coat of neat cement 40mm thick.(Page-111, Item-12.3.1)	43.80m ²	Sqm
19	Providing and fixing steel door/window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer. (Page-81 Item-9.13)	396.0kg.	KG
19	Providing and fixing steel door/window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer. (Page-81 Item-9.13)	396.0kg.	KG
20	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete. including applying a primer of red oxide zinc chromate primer.. (Page - 81 Item - 9.15)	237.60kg.	KG

S.No.	Details of item	Quantity	Amount (₹.)
21	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer. (Page-80 Item-9.11)	6.30m ²	Sqm
22	Painting new 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 @1.43liter/10sqm over and including priming coat of exterior primer applied @2.20kg/10sqm) (Page-133 Item-14.15.1)	103.20m ²	Sqm
23	Distemping with acrylic washable distemper to give an even shade: on new work.(two or more coats) (Page-132 Item-14.9.1)	89.60m ²	Sqm
24	Painting on new work (two or more coats) to give an even shade with: Premium synthetic enamel paint. (Page-134 Item-14.22.2)	25.44m ²	Sqm
25	Add For Electrical Work	5%	-
26	Add For Sanitation Work	5%	-

EXECUTIVE ENGINEER
MUNICIPAL CORPORATION,
BHILAI

ASSISTANT ENGINEER
MUNICIPAL CORPORATION,
BHILAI

SUB ENGINEER
MUNICIPAL CORPORATION,
BHILAI