MUNICIPAL CORPORATION OF BHILAI

<u>NIT</u>

वार्ड क्र. 47 डबरापारा चौक में सामुदायिक भवन निर्माण कार्य।

(AS PER PWD BUILDING SOR 01.01.2015 & Electrical SOR 01.06.2020)

SN	PARTICULERS OF ITEMS	QTY.	UNIT
1	Execuation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of execuated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the execuated area), including dressing and leveling of pits. In all types of soil	85.34	Cum
2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m IIft and lead upto 30m (at least 5m away from the dressed area).	80.00	Sqm
	Extra for every additional lift of 1.5 m or part thereof.	16.22	Cum
	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.	29.06	Cum
5	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.	90.50	Cum .
6	Providing and fixing formwork 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 in any shape and size.	90.51	Sqm
7	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. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	10.71	Cum
8	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).	18.23	Cum
9	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	2954.00	Kg
10	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class designation 35 in foundation and plinth in; Cement Mortar 1:6 (1 cement : 6 coarse sand)	17.89	Cum
11	Providing and fixing formwork 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	39.44	Sqm
12	Providing and fixing form work including centring, 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)	99.98	Sqm
13	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: Beams, lintels, cantilevers & walls	33.97	Sqm
14	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. 11 ½ 3 (I 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:	11.56	Cum
15	Extra for brick work in superstructure: Above plinth and upto floor five level.	17.18	Cum
16	Half brick thick (9cm) brick masonry with modular well burnt clay bricks of crushing strength not less than 35 kg/sqcm and water absorption not more than 20% in superstructure above plinth level upto floor five level. Cement Mortar 1:4 (1 cement: 4 coarse sand)	22.27	Sqm
17	Extra for providing and placing in position hopping 25x1.60 mm or 2 Nos 6mm dia MS bars reinforcement at every, third course of half brick masonry.	22.27	Sqm
18	windows etc. including applying a priming coat of red oxide zinc chromate primer	243.00	Kg
19	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side having 12 mm air gap including providing EPDM gasket, perforated aluminium spacers, desiciotaits, sealant (foldo primary and secondary sealant) etc. complete	9.72	Sqm

S	PARTICULERS OF ITEMS	QTY.	UNIT
20	Providing and fixing flush thore shutters, conforming to 18 2202 (Part 1), interior grade, commercial type, core of block bound construction with frame of first class hand wow and well matched commercial ply veneering with vertical grains, cross bands and face veneers on both faces of shutters excluding hinges Johnn thick straight leaf).	9.14	Sqm
21	[100x58x1.90 mm	15.00	No.
22	Providing and fixing M.S. bright finished or black enameled sliding door bolts with bolts, nuts and necessary iron screws $250 \times 16 \text{ mm}$	10.00	No.
23	Providing and fixing M.S. bright finished or black enameled Tower bolts (Barrel type) with necessary iron screws 200mm	5.00	No.
24	Providing and fixing M.S. bright finished or black enameled handles with necessary iron screws 100 mm	10.00	No.
25	Providing and fixing MS bright finished single hanging door stopper with necessary MS steel screws complete.	10.00	No.
26	6mm thick cement plaster of mix: In Cement mortar 1:4 (1 cement : 4 fine sand)	112.46	Sqm
27	12mm thick cement plaster of mix: In Cement Mortar 1:6 (1 cement : 6 fine sand)	123.35	Sqm
28	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix: In Cement Mortar 1:5 (I cement : 5 fine sand)	213.59	Sqm
29	Providing and making 12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) per em width: Raised Band	180.00	Rmt
30	Providing and laying ceramic glazed floor tiles conforming to IS: 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. Size 200x300mm	56.91	Sqm
31	Providing and laying ceramic glazed floor tiles conforming to IS: 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement: 4 cparse sand) including pointing the joints with white cement mixed with matching pigment etc., complete. Size 200x300mm	6.60	Sqm
32	Providing and fixing ceramic glazed wall tiles conforming to IS: 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 course sand) and jointing with grey cement sturry @ 3.5kg per sqm including pointing in white cement mixed with matching pigment complete. Size 200x300mm	14.76	Sqm
33	KOTA stone slab 25mm thick in risers and treads of steps, skirtingdado and pillar laid in 12mm (Average) thick cement mortar 1:3 (I cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbig and polishing complete, (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)	3.51	Sqm
34	Wall painting with acrylic luxury emulsion (plastic) paint (top most approved branded quality) to give an even shade. On new work (two or more coats)	232.54	Sqm
35	Painting new exterior surface (two or more coats) with PREMIUM TEXTURED paint as per manufacturer's pecifications to give protective and decorative finish including cleaning washing of surface etc. complete with: On new work (Two or more coats)	213.59	Sqm
	Painting on new work (two or more coats) to give an even shade with: Satin synthetic enamel paint (top most approved branded quality)	35.99	Sqm
37	Providing and fixing one side polished 25 mm thick RAJIM SAND STONE shelves fixed in walls in cement mortar 1:3 I cement : 3 coarse sand) including finishing complete	7.20	Sqm
	25mm thick cement concrete flooring with 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate (2.5 mm nominal size) finished with floating cost of neat cement	31.56	Sqm
39	/IF white viterous flat-back basin 580x400 mm with 15mm C.P. Brass pillar cock with R.S. or C.I. brackets painted white C.P. Brass chain with rubber plug 3 2 22mm pre waste pipe complete including cutting and making good the floors and walls where required. White is 24 50x325 mm	2.00	Nos.
40	7F 600x 450 barrel edge mirror of superior class (of approved quality) complete with 6mm thick asbestos sheet ground ixed to wooden cleats with brass screws & washer.	1.00	Nos.

conforming to S: 5382 leaving 10 mm gap for thermal expansion etc completegood the wall wherever required. For 75mm din pipe Providing and fixing on wall face UV stabilized Urplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS: 13592 (heavy) jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. No RM Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams) 2.00 No Stop cock (350 grams) Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS: 5382 leaving 10 mm gap for thermal company of the providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including 2.00 No Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including 2.00 No Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including 2.00 No Providing and fixing 15 mm nominal bore C.P. brass fittings in the pipe with clamps at 1.00 m spacing. This includes 13 including all CPVC plain & brass threaded fittings ic fixing the pipe with clamps at 1.00 m spacing. This includes 13 including all CPVC plain & brass threaded fittings ic fixing the pipe with clamps at 1.00 m spacing. This includes 13 including all CPVC plain & brass threaded fittings ic fixing the pipe with clamps at 1.00 m spacing. This includes 13 including all CPVC plain & brass threaded fittings ic fixing the pipe with clamps at 1.00 m spacing. This includes 13 including all CPVC plain & brass threaded fittings ic fixing the pipe with clamps at 1.00 m spacing. This includes 13 including all CPVC plain & brass threaded fittings ic fixing the pipe with clamps at 1.00 mm spacing. This includes 13 including all CPVC plain & brass threaded fittings ic fixing the pipe with clamps at 1.00 mm spacing. This includes 13 including and fixing of pipes & fittings with one s	SN	PARTICULERS OF ITEMS	QTY.	UNIT
Providing and fixing to wall face UV stabilized Upplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to 1S: 13592 (heavy) jointing with seal ring conforming to 1S: 5382 leaving thickness for Rigid PVC pipes conforming to 1S: 13592 (heavy) jointing with seal ring conforming to 1S: 5382 leaving 10 mm page for thermal expansion. 10 mm page for thermal expansion. 2.00 No.	41	3.2mm wall thickness conforming to IS: 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion etc completegood the wall wherever required.	3.00	RMT.
Providing and fixing on wall face UV stabilized Unphasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to 1S: 5382 leaving 10 mm gap for thermal expansion. Nahani trap 1 Int 75mm Nahani trap 1 Int 75mm Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams) Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to 1S: 8393 including 2.00 No Providing and fixing 15 mm nominal bore C.P. brass settings of approved make and conforming to 1S:8931 including 2.00 No Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to 1S:8931 including 2.00 No Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to 1S:8931 including 2.00 No Providing and fixing 15 mm nominal bore C.P. brass fittings in the pipe with clamps at 1.00 m spacing. This includes 18 minute of pipes & fittings with one step CPVC solvent cement and the cost of outling chases and making good the same including testing of joints complete as per direction of Engineer in Charge CONCEALED WORK including cutting chases and making good the valls etc., CONCEALED WORK including cutting chases and making good the 15 mm nominal outer dia pipe 20 mm nominal outer dia pipe 10 mm nominal outer dia pipe	42		8.00	RMT.
Soppoce Sopp		(fluckness for Rigid PVC pipes conforming to IS: 13592 (heavy) jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. Nahani trap 1 10x75mm	2.00	Nos
Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to 15:8931 including C.P. brass extension if required C.P. brass extension if required C.P. brass extension in required C.P. brass pack that the cost of continuous continuo			2.00	Nos.
15			2.00	Nos.
Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings is fe fixing the pipe with clamps at 1.00 m spacing. This includes including all CPVC plain & brass threaded fittings is fe fixing the pipe with clamps at 1.00 m spacing. This includes including lesting of joints complete as per direction of Engineer in Charge CONCEALED WORK including cutting could be same including testing of joints complete as per direction of Engineer in Charge CONCEALED WORK including cutting chases and making good the walls etc., CONCEALED WORK including cutting chases and making good the walls etc., CONCEALED WORK including cutting chases and making good the walls etc., CONCEALED WORK including cutting chases and making good the walls etc., CONCEALED WORK including cutting chases and making good the walls etc., and the pipe of the providing and fixing statinities steed drain jail of approved make/quality 25mm nominial outer dia pipe 25mm nominial outer dia pipe 27mm nominial outer dia pipe 27mm ordining and fixing statinities steed drain jail of approved make/quality 3.00 No 3.00 No 3.00 Providing and fixing brass's gun metal gate valve with C.I. wheel of approved quality (screwed end): 25mm dia. 3.00 It is (I cenner I: Sand) including testing of joints and earth exeavation, refilling and disposal of surplus eath complete in all respect for-100mm dia S.W. pipe 3.00 RM 3.00	46	C.P. brass extension if required	2.00	Nos
including all CPVC plain & brass threaded fittings is fe fixing the pipe with clamps at 1.00 m spacing. This includes inclinate of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the waste including testing of joints complete as per direction of Engineer in Charge CONCEALED WORK including cutting chases and making good the waste incharged to the control of the pipe of the monitor of the pipe of th	47	Soap dish plate	2.00	Nos.
25mm nominila outer dia pipe 10.00 RM 11 Providing and fixing stainless steel drain jail of approved make/quality 27 Providing and fixing stainless and grave and the stainless steel drain jail of approved make/quality 28 Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 25mm dia. 29 Providing and joining of glazed stoneware pipe grade "A" with stiff mixture of cement mortar in proportion of 13 11 (1 cement : 1 Sand) including testing of joints and earth exeavation, refilling and disposal of surplus eath complete in 3.00 RM 20 Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all respect for-100mm dia S.W. pipe 29 Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all respect for-100mm dia S.W. pipe including bed concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all respect for such grade (Cement conc. As per detailed drawings and direction of Engineer 150 x 100 mm size P type grade "A" complete with C.I. graing brick masonary chamber with locally available best quality bricks and 75 th. R.C.C. precast cover made of M-20 grade Cement conc. As per detailed drawings and direction of Engineer 150 x 100 mm size P type grade "A" complete with C.I. praining brick masonary chamber for underground pipe and beneat with well burnt modular clay bricks crashing strength not less than 35kg/cm. in cement mortar 1:4 (1 cement : 4 coarse sand) RCC cover of suitable size and 15mm thick with 1:1.35 mix (1 cement : 1.5 coarse sand) Find thick with 1:1.35 mix (1 cement : 1.5 coarse sand) Find thick with 1:1.35 mix (1 cement : 1.5 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) individe plastering I am thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coa	48	including all CPVC plain & Prass threaded fittings ite fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge CONCEALED WORK including cutting chases and making good the walls etc., CONCEALED WORK including cutting chases and making good the	15.00	RMT.
Providing and fixing stainless steel drain jail of approved make/quality Providing land fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 25mm dia. 1.00 Nor Providing laving and jointing of glazed stoneware pipe grade "A" with silf misture of cement mortar in proportion of 11:1 (1 cement: 1: Sand) including testing of joints and earth exavation, refilling and disposal of surplus eath complete in all respect for-100mm dia S.W. pipe 11:1 (1 cement: 1: Sand) including testing of joints and earth exavation, refilling and disposal of surplus eath complete in all respect for-100mm dia S.W. pipe 14:1 (1 cement: 1: Sand) including testing of joints and earth exavation, refilling and disposal of surplus eath complete in all respect for-100mm dia S.W. pipe 15:1 (1 cement: 1: Sand) including bed concrete 1:510 (1 cement: 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete 1:510mm thick as per standard design. 100mm dia S.W. pipe 16:1 Providing and fixing square mouth S.W. Gully trap of size 150x100mm "P' or 'S' type grade "A" complete with C.I. grade Cement conc. As per detailed drawings and direction of Engineer 150 x 100 mm size P type 17:2 Providing and constructing brick manonry chamber for underground pipe and bends with well burnt modular clay bricks entailing strength not less than 35xg/cm2 in cement inorrar 1-4 (1 cement: 4 coarse sand) RCC cover of suitable size and 75mm thick with 1.13.5 mix (1 cement: 1.5 coarse sand) and sone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement inorrar 1-2 (1 cement: 3 coarse sand) flashed smooth with a floating cout of next exement on walls and bed concrete 1:5.10 (1 cement: 3 coarse sand) flashed smooth with a floating cout of next exement on walls and bed concrete 1:5.10 (1 cement: 3 coarse sand) flashed smooth with a floating cout of next exement on walls and bed concrete 1:5.10 (1 cement: 3 coarse sand) flashed smooth with a floating cout of next exement on walls	49	20mm nominla outer dia pipe	20.00	RMT.
Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 25mm dia. 1.00 Norwiding laying and jointing of glazed stoneware pipe grade "A" with stiff mixture of cement mortar in proportion of 1:1 (1 cement: 1 Sand) including testing of joints and earth excavation, refilling and disposal of surplus earth complete in 3.00 RM all respect for—100mm dia S.W. pipe 1.11 (1 cement: 1 Sand) including testing of Joints and earth excavation, refilling and disposal of surplus earth complete in 3.00 RM all respect for—100mm dia S.W. pipe 1.12 (1 cement: 1 Sand) including testing of Joints and earth excavation, refilling and disposal of surplus earth complete in 3.00 RM all respect for—100mm dia S.W. pipe sincluding bed concrete 1:50m thick as per standard design. 100m dia S.W. pipe sincluding bed concrete 150mm thick as per standard design. 100mm dia S.W. pipe sincluding bed concrete 150mm thick as per standard design. 100mm dia S.W. pipe sincluding bed concrete 150mm thick as per standard design. 100mm dia S.W. pipe sincluding earth conc. As per detailed drawnings and direction of Engineer 150 x 100 mm size P type 1.00 Providing and constructing brick masonry chamber for underground pipe and bends with well burnt modular clay bricks crashing strength not less than 35kg/cml. 11.50 more ment mortar 1:4 (1 cement: 1-6 cornes sand.) RCC exercer of suitable size and 15mm thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement 1.3 cornes sand.) 13md thick with 11.53 mit (1 cement	50	25mm nominla outer dia pipe	10.00	RMT.
Providing laying and jointing of glazed stoneware pipe grade "A" with stiff mixture of cement mortar in proportion of 11 (1 cement : 1 Sand) including testing of joints and earth excavation, refilling and disposal of surplus eath complete in all respect fore-floomen dia S.W. pipe 3.00 RM all respect fore-floomen dia S.W. pipe 3.00 RM all respect fore-floomen dia S.W. pipe 3.00 RM providing and laying cement concrete 1:510 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete 150mm thick as per standard design. 100mm dia S.W. pipe 3.00 RM Providing and fixing equare mouth S.W. Gully trap of size 150x 100mm 'Por 'S' type grade "A" complete with C.I. grating brick massonary chamber with locally available best quality bricks and 75 th. R.C.C. presest cover made of M-20 grade Cement conc. As per detailed drawings and direction of Engineer 150 x 100 mm size P type Providing and fixing equare mouth S.W. Gully trap of size 150x 100 mm in size P type Providing and constructing brick massonry chamber for underground pipe and beneak with well burnt modular clay bricks crashing strength not less than 38kg/cm. In cement mortar 1:4 (1 cement: 1-2 coarse sand) RCC cover of suitable size and 75mm thick with 1:1.53 mix (1 cement: 1.3 coarse sand) Fig. Cover of suitable size and 75mm thick with 1:1.53 mix (1 cement: 1.3 coarse sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement: 3 fine sand: 10 graded stone aggregate 40 mm nominal size), inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlests Providing and placing on terroe call all floor evenest: 5 fine sand: 10 graded stone aggregate 40 mm nominal size). Providing and placing on terroe call all floor evenest: 5 fine sand: 10 graded stone aggregate 40 mm nominal size). Litre distribution of the sand of the sand of the sand of the sand placing on terroe call all floor evenest of sand finished smooth with a floating coat of next cemen	51	Providing and fixing stainless steel drain jali of approved make/quality	3.00	Nos
53 1:1 (1 cement : 1 Sand) including testing of joints and earth excavation, refilling and disposal of surplus eath complete in all respect for-flohom dia S.W. pipe 54 all-respect for-flohom dia S.W. pipe 55 all-round S.W. pipes including bed concrete 15:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) 56 all-round S.W. pipes including bed concrete 150mm thick as per standard design. 100mm dia S.W. pipe 57 all-round S.W. pipes including bed concrete 150mm thick as per standard design. 100mm dia S.W. pipe 58 and all-round S.W. pipes including bed concrete 150mm thick as per standard design. 100mm dia S.W. pipe 59 and and constructing brick massonry chamber of rounderground pipe and benefit with vell burnt modular clay bricks are creating strength not less than 35kg/cm. 31cm ement mortar 1;4 (1 cement : 5 coarse sand) RCC cover of suitable size and 55mm thick with 1:1.53 mit (2 cement : 3 focarse sand : 3 graded stone aggregate 20 mm nominal size), including reinforcement 8mm dia bars at 150mm both ways and MS books for lifting, including foundation concrete 15:10 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 15:50 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 16:50 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 16:50 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 16:50 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 16:50 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 16:50 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 16:50 (1 cement : 5 focarse sand) flinished smooth with a floating coat of neat cement on walls and bed concrete 16:50 (1 cement : 5 focarse sand) f	52	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 25mm dia.	1.00	Nos.
alt-round S.W. pipes including bed concrete 150mm thick as per standard design: 100mm dia S.W. pipe 3.00 RM with a square mouth S.W. Gally trap of size 150x100mm 'Po' 'Stype grade' 'A' complete with C.I. grating brick masonary chamber with locally available best quality bricks and 75 th. R.C. presast cover made of M-20 grade Cernett conc. As per detailed drawings and direction of Engineer 150 x 100 mm size P type Providing and constructing brick masonary chamber for underground pipe and bends with well burnt modular clay bricks crashing strength not less than 38½/em² in centern tornar 1-8 (1 centers 1 < corners and R) RCC cover of statishes size and 75mm thick with 1-1.35 mix (1 center) 1.5 coarse sand 3 graded stone aggregate 20 mm nominal size), including foundation concrete 1:510 (1 center) 1.5 (center) 1.5 mix (1 center) 1.5 mix (53	1:1 (1 cement: 1 Sand) including testing of joints and earth excavation, refilling and disposal of surplus eath complete in	3.00	RMT
55 grating brick masonary chamber with locally available best quality bricks and 75 th. R.C.C. preast cover made of M-20 2.00 Nos grade Cement conc. As per detailed drawings and direction of Engineer 150 x 100 mm size P type Providing and constructing brick masonary chamber for underground pipe and bends with well burnt modular clay bricks crashing strength not less than 35kg/cm. In cement mortar 1;4 (1 cement 1: 4 conses asnol) RCC cover of suitable size and 75mm thick with 1:13.5 mit (cement 1: 3 for sees sand 1: 3 graded stone aggregate 20 mm nominal size), including enudation concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on walls and bed concrete 1:5:10 (1 cement 1: 5 for sand) finished smooth with a floating coat of next cement on the sand finished smooth with a floating c	54		3.00	RMT
crashing strength not less than 35kg/cm.2 in cement mortar 1/4 (1 cement : 4 coarse sand) RCC cover of suitable size and 75mm thick with 1:1.53 mit (2 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) including 15mm thick with 1:1.53 mit (2 cement : 1.5 coarse sand : 10 graded stone aggregate 20 mm nominal size). Including 15mm thick with cement mortar 1:3 (1 cement : 3 for sand : 10 graded stone aggregate 40 mm nominal size), indide plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 for sand : 10 graded stone aggregate 40 mm nominal size), indide plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 for sand : 10 graded stone aggregate 40 mm nominal size), indide plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of next cement on walls and bed concrete etc. complete a sper standard design misde dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets Providing and plasting not terroge cit all floor everyles ployethylene water stonage tank (S1: 12701 marked with cover and sainable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank Providing and fixing water closet squatting pan (findian type W.C. pan), 100mm sand cast from P or S trap, 10 litre low less support for tank Providing and fixing same coloury conforming to 15: 2731, with flush bond and other fittings and fixtures 1 No. White Orisan pattern W.C. pan or size 580x40 mm Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design. Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing mansony cendosure with cover plant baving locking arrangement and watering pipe etc. with charcoal and all as per specification and 1S Code over plate thaving locking arrangement and watering pipe etc. with charcoal and all as per spe	55	grating brick masonary chamber with locally available best quality bricks and 75 th. R.C.C. precast cover made of M-20	2.00	Nos.
Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI: 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast iron P or S trap, 10 litre low level P v.C. flushing existen (same colour) conforming to IS: 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required White Orisos pattern W.C. pan of Size 580x440 mm White Orisos pattern W.C. pan of Size 580x440 mm Providing and constructing soak pit 1,20x1,20x1,20n filled with brickbats including S.W. drain pipe 100 mm diameter and 1,20 m long complete a per stundard design. Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing missony enclosure with covery place that the providing and fixing 6.5 WG dia G.I. wire on surface or in recess for long northing along with existing surface? oncealed	56	crushing strength not less than 35kg/cm2 in cement mortar 1.4 (1 cement : 4 coarse sand) RCC cover of suitable size and 75mm thick with 1.15.35 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) including reinforcement Smm da bars at 150mm both ways and My Books for litting, including foundation concrete 1.5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design	1.00	No
See I. V. C. flushing cistern (same colour) conforming to IS: 7231, with flush bend and other fittings and fixtures complete including cutting and making good the vulls and floors wherever required White Orissa pattern W.C. pan of size 580x440 mm 59 Providing and constructing soads pit 1,20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20m long complete as per standard design. Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 30x3-1987(R. 2016) Providing and fixing 6.5 WG dia G.I. wire on surface or in recess for long northing along with existing surface/concealed.	57	suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the	500.00	Litre
and 1.20 m long complete as per standard design. Earthing with G. Learthips et 3.6 meter long, 40 mm dia including accessories, and providing masomy enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 1 Nos 3031-1987(R 2016) Providing and fixing 6 SWG dia G.I. wire on surface or in recess for long northing along with existing surface/ concealed	58	level P.V.C. flushing cistern (same colour) conforming to IS: 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required White Orissa pattern W.C. pan of size 580x400 mm	1	No.
Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing massomy cenclosure with occurred path swing locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987/R 2016) Providing and fixing 6.5 WG dia G.I. wire on surface or in recess for long partitions along with existing surface? one celebrate of the control of the contr	59	Providing and constructing soak pit 1.20x1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design	2	No.
Providing and fixing 6 SWG dia G.l. wire on surface or in recess for loop earthing along with existing surface/concealed conduit/ submain wiring/ cable as per specification.	60	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3043: 1987(R 2016)	1	Nos
	61	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ concealed conduit/ submain wiring/ cable as per specification.	50.00	Rmt

SN	PARTICULERS OF ITEMS	QTY.	UNIT
62	Providing and fixing metal clad, SP&N switch fuse unit (re-wirable), 230/250 volts, with porcelain re-wireble juscs including drilling holes on the board, connections, earthing the body etc. as per specification. (Thimbeling shall be paid	3	Nos
63	separately) 3.2 amp Wring for circuit sh main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (thency duty, thickness of pipe should be 2 mm) as per specification and IS: 604 (2010), IS: 9537 (2000 Part 5) 3 X 2.5 s.g., mm in 20mm conduit	50.00	Mtr.
64	Supplying and fixing on surface? recess following way. 240 volts FREN MCB distribution board of sheet steel hosportational provider painted complete with timed copper busher neutral busher, earth but, die bar, detachable pland plate, including interconnections, earthing etc. as per specification. (But without MCB/RCCB/Isolator) 4 way sincle thor:	1	Nos
65	Wiring for light/ fan/ exhaust fan / eall bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5) Short Point	15	Point
66	Medium Point	15	Point
	Short Point+Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	5	Points
68	Wiring for power plug point with 3x4 sq mm FRLS PVC insulated stranded copper conductor wire for phase, neuffal and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) along with piano type 16 amp switch and 6 pin 16 amps socket outlet with suitable size M.S. box, phenoical tanniated sheet, earthing the switch box and socket outlet with same size wire etc. as per specification and 15: 694 (2010), IS: 9537 (2000 Part 5) Medium Point	5	Point
59	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification. Ceiling rose 3 pin 6 amps	15	each
	Providing and fixing 25 mm X 5 mm G.1. strip on surface or in recess for connections etc. as per specification.	20	М
/1	Supplying of following sizes ceiling fan 1200 mm dia sweep	4	Nos
72	Supplying, installation, testing and commissioning of following sizes fancy exhaust fan having built in lovers in existing	1	Nos
73	Supplying. fixing, testing and commissioning of following LED lamps with inbuilt electronic driver heat sink and all other accessories in existing holder/ luminaries as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio 2 flot lumens /wat. 12 wat	12	Nos
. 1	Describing a great congrets including disposal of material within 50 metre lead, 1:4:8 or leaner mix	0.17	Cum
75	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in	0.20	Cum
	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recnarge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid	1.15	Cum
/6	separately).		
/6	separatety). Stone boulders of size range 5 cm to 20 cm, in recharge pit Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	0.61	Cum

Executive Engineer Municiapal Corporation Bhilai Assistant Engineer
Municipal Corporation
Bhilai

Sub Engineer

Municipal Corporation

Bhilai