MUNICIPAL CORPORATION OF BHILAI

बार्ड क्र. 50 नवीन कॉलेज ग्राउण्ड सामुदायिक शौचालय एवं सेप्टिक टेंक का संघारण कार्य।

(As Per PWD Building SOR 01.01.2015 & Electrical SOR 01.06.2020)

N.	PARTICULERS OF ITEMS	Quantity	UOM
-	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement: 1 fine sand) including testing of joints etc. complete: 100 mm diameter	5.00	m
2	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floatingcoat of neat cement.	4.00	Sqm
_	40 mm thick Providing and laying cement concrete 1:5:10 (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:100	3.00	m
	mm diameter S.W. pipe Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and		
4	applying a priming coat of red oxide zinc chromate primer.	40.00	Kg
5	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works. Providing and fixing steel door made of angle iron of suitable sizes with M.S. grill of approved pattern made of M.S. flats or square or round bars coat of red oxide zinc chromate primer.	20.00	Kg
6	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, 3.00 mm M.S. gusset plates at junctions and corners, all	40.00	Kg
7	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 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		
	complete.	10.00	M M
	110 mm dia	10.00	171
8	Neat Cement punning.	15.00	Sqm
9	Providing and making 6mm thick cement plaster of mix:	12.60	Sqm
	In Cement mortar 1:3 (1 cement : 3 fine sand)		
10	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:	12.60	Sqm
	In Cement Mortar 1:5 (1 cement : 5 fine sand) Providing and making 12mm thick cement plaster of mix:	12.60	Sqm
11	In Cement Mortar 1:4 (1 cement : 4 line sand) Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete	0.27	Cum
13	1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 4 onth the transfer of the Providing and fixing 30mm thick fibreglass reinforced plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3mm thick plain and wood finish made with suitable wooden blocks inside at required places for fixing of fittings and FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF) / Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856:	1.80	Sqm
14	2000, complete. 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.	2	Each
15	100 mm diameter and 1.20 m long complete as per standard design. 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)	0.20	Cum

5.N.	PARTICILLERS OF ITEMS	Commen	
\$6	Providing and leving nominal mix reinforced cement concrete with crucked stone approprie using concrete mixer in all works upto plients level encluding over of form work. 1.19:3 (I cement 19; course cand 3 graded stone aggregate 20mm nominal size.) Every for precises PCC RCC work of any mix including form work, bristing and fining in Cament Marine 1.250 Clement 2 course send and finishing with cement planter in Cament Montay 1.5-(3 Cament 3 course small) but excluding reinforcement.	Q. P.	
17	Providing and filling is plenth with sand Counter dust and hard minimum under floor in ligions and exceeding Zion in depth commissioning each disposted layer by ramming and watering, including divising an complete.	E.30	Cam
18	bending heading in produce transferoments for R.C.C. work including strengthorning, costring, bending heading including some in from the plants. ### Complete Transport for transferoment from the control bending to be bending to be in from the plants.	6.79	Ni
19	mixer in all mortes agree plants benefit recolations area of from mortes account agreement areas appropriate areas consistent and 1.2.4.(1 content), 2 content send, 4 graphs; prove appropriate from mortes account of the province of the pr	4.39	6 non
26	Printing and lating visitles floor files with critical and printing of time Nilly-Calleins with unique absenced from the trip and executive and a Take of approximate and in the Admir thick approximate to the including printing the printe with nilling presenting physical and printing approximate any computing	3 (10)	Squa
21	Providing and instra commit placed floor files confirming to \$2.0000 of assessed one, make soliver, shade laid in 20 mm third Common blooms 2.6 (3 seement 6 course and including polinting the joints with white common mixed with matching pigroses on complete. One 200-200-000	(CON)	9mm
27	Providing and fixing peramic glasses and the conference is \$2.00000 of microscop makes colleges, shades and — 12 mm third fact of common fixings 12	05,300	Squa
23	Distempering with norylic weshable dimenges to give as seen deals. On reduced (two or more coals)	9.04	Sum
24	Painting executor surface with PREMICAL Sci. \$2.00.00.00 sometime passes of respected deside as per manufacturer's specifications to give propositive seef showestow family including showing desiring of surface site complete with On old work (One or more some specifies @ 4.47 for 10 signs).	2.00	Sign
23	firmings and fixtures complete White	2	f and
26	Painting on old work (two or more coats) to give an ever place with. Sprin synthetic ename! pain:	9,7%3	Segn
27	Providing and fixing flexible \$ 3 a. waste pipe to aim or want basis sucheding \$ 7.5. waste fittings. 27 now the	Zi .	Rouds
24	Providing and fixing water closes squarting pair (inches type W.C. pair), William used out from F or 3 true 10 line for how level F V.C. flushing closers (same colour) confirming as its 720% with flush bend and other firming and fixtures complete incheding cutting and making good flus walls and fluore wherever required. When Obess polices W.C. pair of size Shills-481 mis.	A section of the sect	Esca
29	Principles and fixing viscous chine wastrained appearing part feeder tops recovering and making good the waits and flows wherever required. When Chinese pattern is Comment for Nothing and Principles and Links of the Nothing and Principles and Pr	3	Each
30	Providing and Using vincous class water should Campean bear \$1. page with white the marked plants and and led 10 from how bear white 7 k it. Bushing course pages among a marked by the following and baseling and making possible walls and from education and appeared. **Hits projected bear	*	Eucli
51 32	Providing and fining ethicine shape work basis with (.) breakers. District P break water of emisters pattern methods providing and method growt flar walls whenever required by being the Policy District Research and the Policy District Research Re	-ta	Kach
The State of the S		THE PARTY OF THE P	100

	PARTICULERS OF ITEMS	Quantity	UOM
	PARTICULERS OF ITEMS	2.25	Sqm
7	WATER SUPPLY Websited Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & WATER SUPPLY Websited Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & Providing and fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, havingthermal stability for hot & Providing and Fixing Chloride (CPVC) pipes, having the pipes (CPVC) pipes (C		
34	This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting this includes jointing this includes jointing the cost of cutting this includes joint joint includes joint join		
1	Charge.	5.00	m
	15 mm nominal outer dia .Pipes.	5.00	m
35	25 mm nominal outer dia .Pipes. Providing and placing on terrace (at all levels) polyethylene water storage tank ISI marked with cover and suitable locking arrangement and holes for inlet, outlet and overflow pipes but without fittings	500.00	Ltr
	and the base support for tank. Providing and laying in trenches G.I. pipes medium class complete with G.I. fittings including		
36	excavation of trenches, refilling the same and testing of joints complete.	5.00	Mt
	25 mm dia. nominal bore	5.00	Mt
37	15 mm dia. nominal bore Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:	5.00	Mt
31	25 mm dia. nominal bore Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end): 25 mm	1	No
38		. 5	No
39	Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality: Bib cock (250 grams) Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including the cock (250 grams).		C
40	disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 50m (at least 50m)	26.04	Cum
41	including dressing and leveling of pits. In all types of soils. 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	8.68	Cum
42	Extra for every additional lift of 1.5 m or part thereof. 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. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm	3.472	Cum
	nominal size). 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	8.80	Cum
44	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	899.73	Kg
45	all complete: Thermo-Mechanically treated bars. 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% upto plinth level: Cement Mortar 1:4 (1 cement : 4 coarse sand)	62.32	Sqm
	Brick work with modular fly-ash lime bricks (FALG Bricks) confirming to IS:12894-2002 of class	0.66	Cum
47	designation 40 in foundation and plinth in: Cement Mortar 1:6 (1 Cement: 6 Coarse Sand) 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)	28.68	Sqm

N.	PARTICULERS OF ITEMS	Quantity	Cont
48	Providing and making 6mm thick cement plaster of mix: In Cement mortar 1:3 (1 cement : 3 fine sand) * Neat Cement punning. * Extra for providing and mixing water proofing materials in cement plaster work in proportion as recommended by manufacturer.	55.26	Sqm
-	455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg.	2.00	Each
30	Providing laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1.1 (1 cement: 1 fine sand) including testing of joints etc. complete 150 mm diameter	5.00	Mtr
51	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes 150mm thick as per standard design:150 mm diameter S.W.	5.00	Mtr
52	pipe Providing and constructing brick masonry chamber for underground C.I. inspection chamber and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm² in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with etc. complete as per standard design :Inside dimensions 455x610 mm and 45 cm deep for single pipe	7.00	Each
53	line . Electrification Work	3000.00	LS

Executive Engineer Municiapal Corporation Bhilai Assistant Engineer Municipal Corporation Bhilai Sub Engineer Municipal Corporation Bhilai