

NAME OF WORK:- CONSTRUCTION OF MODERN PAY AND USE TOILETS AT V.I.P BAZAR METRO STATION GATE

CIVIL WORK

ABSTRACT OF ESTIMATE

Estimate No-KMC/US/...../ Of 202 -2

Sl. No	Sch. Item	Description of item	Quantity	Unit	Rate	Amount Rs.
1	P.W.D. (Bldg) 2017 Page 1, Item No. 1	Earthwork in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding laterite or sand stone) including removing, spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches levelling dressing and ramming the bottom bailing out water as required complete. Depth of excavation not exceeding 1500 mm.				
		Total	62.74	% Cum	11927.00	7483.00
2	P.W.D. (Bldg) 2017 Page 1, Item No. 3(a)	Earthwork in filling in foundation trenches or plinth with good earth in layers not exceeding 150mm. Including watering andramming etc. layer by layer complete (Payment to be made on the basis of measurement of finished quantity of work). With earth obtained from excavation of foundation				
			12.55	%Cum	7754.00	973.13
3	P.W.D. (Bldg) 2017,5th Corr.16.04.2019 Page 2, Item 1	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm. As directed and consolidating same by thorough saturation with water ramming complete including the cost of supply of sand. (Payment to be made on measurement of finished quantity)				
			6.11	%Cum	131714.00	8047.73
4	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018,p-1	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand.				
			139.13	Sqm	361.00	50225.93
5	P.W.D. (Bldg) 2017 ,3rd	Cement concrete with graded jharma khoa (30 mm. size) excluding				
			20.85	Cum	4761.00	99266.85

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SAE(6)/05

Navar
08/12/25
Asst. Engineer (C)
Uttaran Services Department
K. M. C.

S. S. K.
8/12/25
Executive Engineer (Civil)
Uttaran Services Department
K. M. C.

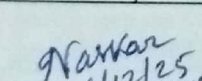


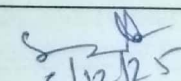
6	P.W.D. (Bldg) 2017, 3rd corr. 04.06.2018, p-10	Cement concrete with graded jharma khoa (30 mm. size) excluding shuttering in ground floor and foundation. a) 1:4:8 Proportion	0.68	Cum	4566.00	3104.88
7	P.W.D. (Bldg) 2017 Page 42, Item No. 36(a)	Hire and Labour charges for shuttering with centering and necessary staging upto 4m using approved stout, props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns lintels, curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor). 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-in-charge.	505.16	Sqm	335.00	169228.60
8	KMC.CONSolidate D RATE CIVIL_2018 2-2/b	Ordinary cement concrete(mix 1:1.5:3) with graded stone chips (20 mm. nominal size)excluding shuttering and reinforcement, if any, in ground floor as per IS codes. a) Pakur / Chandil Variety				
Total			67.61	Cum	6047.00	408837.67
9	PWD S.O.R-2017, 10th Corr.i-1, dt.01.11.2019, it-1-43	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. (a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel III. JSW, JSPL...SSL,, For 1st floor	6.370	MT	54563.07	347566.76
10	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018, p-1, I-3	Brick work with 1st class bricks in cement mortar (4:1) a) In foundation and plinth				
Total			13.78	cum	5682.00	78297.96
11	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018, p-1, I-3	Brick work with 1st class bricks in cement mortar (4:1) b) In Superstructure & ground floor.	29.60	Cum	5905.00	174788.00
12	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018, p-3, I-8	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.				
Total			81.63	sqm	736.00	60079.68

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 08/12/25
 SAE(C) / vs
 Asst. Engineer (C)
 Kharan Services Department

S. J. D.
 08/12/25
 Executive Engineer (Civil)
 Kharan Services Department
 K. M. C.

13	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018,p-18,I-46	Cement concrete (1:1.5:3) with graded stone chips 5.6mm. Size with hexagonal square mesh wire netting I.R.C. Fabric mesh or X P.M. fitted and fixed after tying the existing reinforcement on concrete without distributing the same and with proper scraping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement excluding the cost of wire netting I.R.C. or X P.M. but including cost of all handling and scaffolding complete as per direction of Engineer-in-charge. (a) 37.5mm thick.				
			6.00	sqm	593.00	3558.00
14	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018,p-18,I-46	25mm. Thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded stone aggregate 10 mm nominal size] and admixture of water proofing compound as per manufacture's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2nd coat just before brick masonry work) as directed (cost of water proofing compound & polymer based paint to be paid separately). (Chequering not required over concrete or painted surface.)				
			10.43	sqm	190.00	1982.13
15	P.W.D. (Bldg) 2017 Page 47, Item No. 3	Supplying and laying polythene sheet (150gm/sqm.) over damp proof course or below flooring or roof terracing or in foundation trenches.				
			505.16	Sqm	24.00	12123.84
16	P.W.D. (Bldg) 2017,3rd corr. 04.06.2018,p-50,I-1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). (i) With 1:6 cement mortar (b) 20 mm thick plaster(external) ground floor				
		Total	109.86	Sqm	175.00	19224.77
17	P.W.D. (Bldg) 2017,3rd corr. 04.06.2018,p-50,I-1	(i) With 1:6 cement mortar C) 15 mm thick plaster(internal)				
		Total	39.96	sqm	151.00	6033.96
18	P.W.D. (Bldg) 2017,3rd corr. 04.06.2018,p-50,I-1	(ii) With 1:4 cement mortar thick plaster (c) 10 mm				
			222.88	sqm	133.00	29643.31


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 SAE(c)/vs
 Asst. Engineer (C)
 Uttaran Services Department


 6/12/25
 Executive Engineer (Civil)
 Uttaran Services Department



19	P.W.D. (Bldg) 2017, 3rd corr. 04.06.2018, p-36, I-22	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. Polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor) b) In Ground Floor: Sizes-600 mm x600mm x10 mm				
		Total	214.31	Sqm	1109.00	237673.67
20	P.W.D. (Bldg) 2017, 3rd corr. 04.06.2018, p-37, I-26	Supplying & laying 20 mm designer chequered tiles of any shade and of approved quality as per IS: 1237: 1980 laid in patterns as directed in pavement, footpath including necessary underlay 25 mm thick average cement mortar (1:3) complete in all respect with all labour and materials [using cement slurry @ 4.4 kg/Sq.m at back side of tiles. Cement of mortar & slurry will be supplied by the Department. Border concrete if necessary to be paid separately].				
		Total	55.25	sqm	836.00	46189.00
21	P.W.D. (Bldg) 2017 Page 104, Item No. 13	(a) M.S. or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. ii) Grill weighing above 16 Kg./sq.mtr and above				
		Total	1.19	Qntl	7238.00	8598.74
22	P.W.D. (Bldg) 2017, 3rd corr. 04.06.2018, p-37, I-25	Collapsible gate with 40mm.X40mm.X6mm. Tee as top and bottom guide rail 20mm.X10mm.X2mm. Vertical channels 100mm. Apart in fully stretched position 20mm.X5mm. M.S. flats as collapsible bracing properly rivetted and washered including 38mm. Steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete in ground floor.				

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 SAE(C)105
 Asst. Eng. (C)
 6/12/25
 Executive Engineer (Civil)
 Urban Services Department

23	P.W.D. (Bldg) 2017 Page 297, Item No.26(b)	Providing and fixing of factory made uPVC casement window (White Colour) (U value=1.9-1.3 W/m ² K, flame resistant, self extinguishing, lead free) comprising uPVC multi-chambered frame, Sash, & Mullion with having wall thickness of 2.3 mm (±0.2 mm) duly reinforced with G.I. section 1.6 mm (±0.2 mm) made from roll forming process of required length. All corners of frame and sash will be fusion welded. mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's, uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. shall be provided in all frame, sash & mullion, wherever necessary. Thereafter, 5 mm clear annealed glass shall be provided in the sash with the help of uPVC glazing bead and hardware, i.e., stainless steel (SS 304 grade) friction hinges & zinc alloy (white powder coated) casement handles (in window) & 3D Hinges & Multipoint Lock (in door) shall be provided. Window frame shall be fixed to the wall with 100mm long and 8mm dia. Fasteners and after fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size, of	2.40	Sqm	4330.00	10392.00
24	P.W.D. (Bldg) 2017 Page 291, Item No.18	Supplying, fitting & fixing Stainless Steel 'D' or 'H' type of size 300 mm x 19 mm tubular Handle with Grade 304, CE certified, marked & conforming to EN - 1154, of approved quality of reputed brand as per direction of Engineer-in-Charge fitted and fixed complete including all incidental charges.	8.00	Sqm	8657.00	69256.00
25	P.W.D. (Bldg) 2017 Page- 195, Item- 7 (i)	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. (In Ground Floor)(a) One Coat ii) Solvent based interior grade Acrylic Primer	2.00	Each	1571.00	3142.00
			262.84	%Sqm	3370.00	8857.78

Shankar
06/12/25
SAEG/VS

Asst. Engineer (C)
Uttaran Services Department
K. M. C.

Executive Engineer (Civil)
Uttaran Services Department
K. M. C.



26	P.W.D. (Bldg) 2017 Page-196, Item- 10	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats				
			262.84	Sqm	70.00	18398.94
27	P.W.D. (Bldg) 2017 Page-196, Item- 8 (b)	Applying Exterior grade Acrylic primer of approved quality and brandon plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (a) One Coats				
		Total	109.86	%Sqm	3140.00	3449.47
28	P.W.D. (Bldg) 2017 Page-197, Item- 17	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion				
			109.86	Sqm	67.00	7360.34
29	P.W.D. (Bldg) 2017 Page-200/ Itm.1(a)	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothing surfaces by sand papering etc.				
		Total	9.83	sqm	29.00	284.93
30	P.W.D. (Bldg) 2017 Page-200/ Itm.2(a), (iv)	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (b) On steel or other metal surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white) Same as item no 29				
			9.83	Sqm	79.00	776.18
31	P.W.D. (S&P) 2017 Page: 41 It.No.:-1(iii) .	Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mmX75mmX75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets. (iii) 630 mm X 450 mm size	4.00	Each	2435.00	9740.00

Narwan
06/12/25
SAE(C) / us

Asst. Engineer (C)
6/12/25

Executive Engineer (Civil)
Uttaran Services Department
K. M. C.
6/12/25



32	Page:-43 It.No.:-9(v) of P.W.D'S Sanitary Schedule.	Supplying ,fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (v) 900 mm long.	8.00	Each	147.00	1176.00
33	P.W.D. (S&P) 2017 Page: 36 It.No.:-2 .	Supplying,fitting and fixing 10 litre P.V.C. low-own cistern conforming to I.S. specification with P.V.C. fittings complete, C.I.brackets including two coats of painting to bracket etc.	4.00	Each	1015.00	4060.00
34	P.W.D. (Bldg) 2017 ,7th corr. 22.01.2020,p-1,I-1	Constructing Inspection pit of inside measurement 600mm.X600mm.Xupto 600mm.(depth) with 250mm. Thick 1st class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100mm. Thick cement concrete (1:3:6) with stone chips over a layer of Jhama brick flat soling, 15mm. thick(1:4) cement plaster to inside walls and out-side walls upto G.L. and 20mm. thick (1:4) plaster to bottom of the pit, providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100mm. thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcement upto 1% and shuttering including 6mm. thick cement plaster (1:4) in all external surfaces of the slab and one 560mm. dia R.C.C. manhole cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earth work in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials. With Pakur variety.	5.00	Each	7253.00	36265.00
35	Sanitary & Plumb.2017 Page-66, Item No. 16	Supplying fitting and fixing with cement jointing (3:1) salt glazed stoneware pipe including excavation of earth upto 1.50m depth in all sorts of soil both mixed or unmixed and refilling(but excluding concreting at bottom and sides).				
		iii) 150 mm. Dia	15.00	Metre	334.00	5010.00
36	P.W.D. (S&P) 2017 P: 81, It: 15(ii)(E2)	Supplying, fitting and fixing beveled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm	6.00	Each	484.00	2904.00

Navan
 06/12/25
 SAE (C)/US

Asst. Engineer (C)
 Uttar Services Department
 K. M. C.

6/12/25
 Executive Engineer (Civil)
 Uttar Services Department
 K. M. C.

37	Page:-45 It.No.:-19(a)(ii) of P.W.D'S Sanitary Schedule.	Supplying, fitting and fixing pillar cock of approved make. a)(ii)C.P. Pillar Cock Super Deluxe with Aerator-15mm.(Equivalent to Code No. 508 & Model No. Tropical /Sumthing Special of ESSCO or similar brand)	4.00	Each	592.00	2368.00
38	Page:-6 It.No.:-7(a)(ii) of P.W.D'S Sanitary Schedule.	(ii)Chromium plated Bib Cock long body with wall flange with aerator (Equivalent to Code No. 512 & Model -Tropical / Sumthing Special of ESSCO or similar brand)	7.00	Each	659.00	4613.00
39	P.W.D. (S&P) 2017 Page:-6 It.No.:-7(b)(ii)	(ii) Chromium plated Concealed Stop Cock (Equivalent to Code No.514(A) & Model - Tropical / Sumthing Special of ESSCO or similar brand).	11.00	Each	674.00	7414.00
40	Page:-29 It.No.:-1 of P.W.D'S Sanitary Schedule.	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778 :2007 .with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longs crew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing material sinany position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. Nos eparate payment will be made for accesories, specials. (a) For exposed work. (i) CPVC pipes Class-1, SDR-II Dia 32mm	16.00	Rm	283.00	4528.00
41	Page:-29 It.No.:-1 of P.W.D'S Sanitary Schedule.	(a) For exposed work. (i) CPVC pipes Class-1, SDR-II Dia 25mm	40.00	Rm	208.00	8320.00
42	P.W.D. (S&P) 2017 Page: 29 It.No.:-1, (b)	(b) For concealed work. (i) CPVC pipes Class-1, SDR-II Dia 15mm	45.00	Rm	140.00	6300.00
43	Page:-5 It.No.:-5 (vi) of P.W.D'S Sanitary Schedule.	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). 32 mm dia	4.00	Each	1160.00	4640.00
44	PWD S&P-2017, Page:-37 It.No.:-6(b) .	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (d) 1000 litre capacity.	2.00	Each	5128.00	10256.00

ANWAR
06/12/25
S.A.E (K) LUS

Assl. Engineer (C)
Uttaran Services Department

6/12/25
Executive Engineer (Civil)
Uttaran Services Department
K. M. C.

45	Sanitary & Plumb.2017 Page-82, Item-22	Supplying, fitting and fixing towel rail with two brackets. C.P. over brass 25mm. Dia and 600mm. Long	7.00	Each	430.00	3010.00
46	Sanitary & Plumb.2017 Page-19, Item No. 20	Supply of high density polythene pipe conforming to IS 4984-1985.A) 6Kg/sq.cm. (Working pressure)Dia75mm	18.00	Each	248.00	4464.00
47	Sanitary & Plumb.2017 Page-19, Item No. 20	Supply of high density polythene pipe conforming to IS 4984-1985.A) 6Kg/sq.cm. (Working pressure)Dia 100mm	6.00	Each	545.00	3270.00
48	Sanitary & Plumb.2017 Page-14, Item No.19(III)C	Supply of PVC pipes & fittings Schedule 80 (medium duty) conforming to ASTMD - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). (C) Elbow (Dia)80 mm	4.00	Each	266.00	1064.00
49	Sanitary & Plumb.2017 Page-14, Item No.19(III)E	Supply of PVC pipes & fittings Schedule 80 (medium duty) conforming to ASTMD - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). (E) Tee (Dia)80 mm	4.00	Each	349.00	1396.00
50	P.W.D. (S&P) 2017 P:-37 It...:-10(A) .	Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity.(a) Upto 1st story from G.L	2.00	Each	96.00	192.00

Narwan
06/12/25
SAE(C)/us

Asst. Engineer (C)
Uttaran Services Department
K. M. C.

6/12/25
Executive Engineer (Civil)
Uttaran Services Department
K. M. C.



51	PWD(W.B)- Building Works- P-298 It- 27	Providing and fixing of factory made uPVC Louver window (White Colour) (U value=1.9-1.3 W/m ² K, flame resistant, self extinguishing, lead free) comprising of uPVC multi-chambered with wall thickness of 2.3mm (±0.2 mm) duly reinforced with 1.6 mm (±0.2 mm) thick G. I. Section made from roll forming process of required length (shape & size according to uPVC profile). Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. Both vertical sides of the frame, adjustable louver mechanism having one lever shall be fitted with the provision of 4 mm glass. Window frame will be fixed to the wall with 100mm long and 8mm dia for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Fasteners and after fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size, of approved quality complete in all respect as per as per approved drawing & direction of Engineer-in-Charge. a) Louver Window with provision of Exhaust Fan frame of size 67 x 62 mm & Sash / Mullion of size 67 x 78 mm both having wall thickness of 2.2 ± 0.2 mm	1.25	sqm	7149.00	8936.25
52	PWD(W.B)- Building Works- P-198 It- 5	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick				
Total			262.84	sqm	122.00	32066.48

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 SAE(C)105
 Asst. Engineer (C)
 Uttaran Services Department
 K. M. C.

6/12/25
 Executive Engineer (Civil)
 Uttaran Services Department
 K. M. C.

53	P.W.D. (Bldg) 2017 Page 14 Item No. 1,3rd corr. 04.06.2018,p-80,I-1	Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles conforming to IS:15622-2006 & IS 4457-2007 and testing shall be made in accordance with IS:13630 [Non- modular sizes for tiles with Skid resistance > 0.5, Mohr's hardness > 5.0, Staining resistance: Class-1, Water Absorption: E < 0.5%], MOR > 35 N/sq.mm in Internal area of building e.g. Toilet Block, Passage, Corridor, Accessible Open Terrace etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg./Sqm or using Polymerised Adhesive (6 mm thick layer applied directly over finished artificial stone floor/ Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per Sqm below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles/ epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor) b) In Ground Floor: Sizes-600 mm x600mm 10 mm with bonding strength				
			111.52	sqm	1589.00	177205.28
54	PWD(W.B)2017- Building Works- P-62 It- 32	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, fascia etc. with 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks including pointing in cement mortar (1:2) (1 white cement : 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of the Engineer-in-charge including cost of all materials, labours, scaffolding, staging ,curing and roughening of concrete surface complete. Area of each Granite slab > 0.6 upto 1.0 square metre. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m]				
		TOTAL	33.12	sqm	2317.00	76739.04

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SAE(C) IUS

Asst. Engineer (C)
Uttaran Services Department

Executive Engineer (Civil)
Uttaran Services Department
K. M. C.

55	Sanitary & Plumb.2017 Page-79, Item No. 2	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts, nuts etc.(b) With 'S' trap	2.00	Each	1512.00	3024.00
56	Sanitary & Plumb.2017 Page-79, Item No. 2	Supplying, fitting and fixing Orissa pattern water closet in white glazed vitreous chinaware of approved make in position complete excluding 'P' or 'S' trap (excluding cost of concrete for fixing).(ii) 530 mm X 410 mm	2.00	Each	1522.00	3044.00
57	Sanitary & Plumb.2017 Page-80, Item No. 7	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm	3.00	Each	881.00	2643.00
58	Sanitary & Plumb.2017 Page-80, Item No. 7	Supplying, fitting and fixing in position C.I. manhole/ pit cover with rim. (ii) 450 mm X 100 mm X 25 kg (approx.)	1.00	Each	2035.00	2035.00
59	K.M.C. FAIR RATE approved by D.G.(Bustee), dt- 20.10.14	Decorative relief work of artistic nature on exposed surface of cement concrete, plaster or brick work etc. on the surface sketch drawn by artist including preparing the base by rough plaster of sand, cement (1:3) with water proofing compound including oil paint (Two Coats of approved shade, colour over a coat of primer) and applying two coats of decorative cement based paint to the rest portion of the back and other miscellaneous work complete including all materials, labours, scaffolding etc. as per direction of Engineer-in-Charge.	5.00	Sqm	3281.14	16405.70
60	PWD(W.B)2017- Building Works- P-67 It- 38(iii)	Supplying, fitting & fixing Glass mosaic tiles at finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design, fixing in customize design as per direction of Engineerin- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge. [At Ground Floor] iii) Mural aligned/ CAD Design Type				
			24.00	Sqm	3614.00	86736.00

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61	Sanitary & Plumb.2017 Page-88, Item No. 3	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560mm dia R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1 : 1.5 : 3) top slab with necessary fittings, 20mm thick cement plaster (4:1) with neat cement finish to the internal surfaces and 15mm thick cement plaster (4:1) to outside wall upto 200mm below G.L. floor finished with 25mm thick grey artificial stone over 100mm thick R.C.C (1 : 1.5 : 3) bottom slab including supplying, fitting, and fixing all necessary specials, fittings, S.W. tees, C.I foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including, constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @5% by weight of cement with all costs of labour and materials. iii) For 50 User (Pakur Variety)	1.00	Each	89678.00	89678.00
62	PWD(W.B)2017- Building Works- P-261 It- 9(iv)	Supplying and Planting of different plant / trees (Supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads & lift, carriage, handling, manuring, applying pesticide and fertilizer etc. iv) Rangon hi-breed healthy plant.	120.00	Each	23.00	2760.00
63	PWD(W.B)2017- Building Works- P-261 It- 9(vi)	vi) Duranta healthy plant of big size	80.00	Each	25.00	2000.00
64	PWD(W.B)2017- Building Works- P-109 It- 22	Supplying, fitting and fixing Stainless Steel railing consist of 38mm dia and 900mm height vertical balustrade at every two alternative steps, 50mm dia top rail, 3 (three) nos 19mm dia horizontal Strainless steel pipe and base/cover plate with Strainless Steel GRADE 304 containing 7.5% nickle (Interior Grade) Brushed/Mat finish, complete as per direction of the Engineer-in-charge. Weight of Strainless Steel railing per metre 6.5 Kg (approx)				
65	PWD(W.B)2017- Building Works- P-243 It- 9-xiv	Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. ii) 4mm thick coloured / tinted / smoke glass.	7	Mtr.	5974.00	41818.00

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K. M. G.

			76.5	Sqm	468.00	35802.00
66	PWD(W.B)2017- Building Works- P-115 ,It- 3-ii	Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to sasify IS: 4020 door testing performance criteria..				
		(ii) 66mm x 70mm	34.8	Mtr.	497.00	17295.60
67	PWD(W.B)2017- Building Works- P-125 ,It- 14-i	Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria. In ground floor				
		i) 32 mm thick	10.8	Sqm	2763.00	29840.40
68	Sanitary & Plumb.2017 Page-4, Item No. 3-d	Chromium plated Hand shower with Flexible Tube & fittings(Equivalent to Code No. Hsh-1937 & (Equivalent to Code No. 5037 & Model - Florentine of Jaquar or similar).).				
			2	Each	2390.00	4780.00
69	Sanitary & Plumb.2017 Page-4, Item No. 3-iii	(iii) Chromium plated shower arm 240 mm long (Equivalent to Code No. 536(A) & Model- Tropical / Sumthing Special of ESSCO or similar brand).				
			2	Each	309.00	618.00
70	P.W.D. (S&P) 2017 Page 49, It 1d(ii)	Labour for boring tube well of required dia. by water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50 mm gap in between the outside of the tubewell pipe and the bore. (d) For depth upto 150 metre for 50 mm dia. tube well with top enlargement of 100 mm dia. (ii) 100 mm dia. boring etc. top enlargement				
		Total	32.00	Metre	426.00	13632.00

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71	P.W.D. (S&P) 2017 Page 49, It 1d(ii)	Labour for boring tube well of required dia. by water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50 mm gap in between the outside of the tubewell pipe and the bore. (d) For depth upto 150 metre for 50 mm dia. tube well with top enlargement of 100 mm dia. (ii) 50 mm dia. boring etc.				
			70.00	Metre	287.00	20090.00
72	M.I.C Item M-46.4 Dated 23.06.2017	Carrying etc Store Material Viz Pipe,Strainer,Pump Etc.From from store to work site. (I)For depth upto 100M				
			1.00	Lump Sum	1097.25	1097.25
73	P.W.D. (S&P) 2017 Page 55,It 23	Collecting sample of water for bacteriological and chemical test from any depth at any time during execution of work including hire and labour charges for tools and plants and sterilising the equipments, paying all charges and fees, testing etc. complete in all respect as per direction.				
			1.00	Lump Sum	1231.00	1231.00
74	P.W.D. (Bldg) 2017 Page 1, Item No. 1	Earthwork in excavation of foundation trenches or drains in all sorts of soil (including mixed soil but excluding laterite or sand stone) including removing, spreading or stacking the spoils within a lead of 75m as directed. The item includes necessary trimming the sides of trenches levelling dressing and ramming the bottom bailing out water as required complete. Depth of excavation not exceeding 1500 mm.				
			2.400	%Cum	11927.00	286.25
75	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018,p-1	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand.				
		Total	4.000	Sqm	361.00	1444.00
76	P.W.D. (Bldg) 2017 ,3rd corr. 04.06.2018,p-10	Cement concrete with graded jharma khoa (30 mm. size) excluding shuttering in ground floor and foundation. a) 1:3:6 Proportion				
			0.400	Cum	4761.00	1904.40

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Asst. Engineer (C)
Uttaran Services Department

Executive Engineer (Civil)
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77	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018,p-3,1-8	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.				
		Total	3.60	sqm	736.00	2649.60
78	P.W.D. (Bldg) 2017 3rd corr. 04.06.2018,p-23,1-4(ii)	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement				
		Total	4.00	sqm	273.00	1092.00
79	P.W.D. (Bldg) 2017,3rd corr. 04.06.2018,p-50,1-1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Groundfloor). (i) With 1:4 cement mortar C) 15 mm thick plaster (internal)				
		Total	7.20	sqm	167.00	1202.40
80	P.W.D. (Bldg) 2017 ,p-192,1-15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per 100 sq.m.				
		Total	7.20	sqm	34.00	244.80
81	P.W.D. (Bldg) 2017,3rd corr. 04.06.2018,p-10,1-27	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.				
		Total	0.4000	Sqm	4060.00	1624.00

S. Nankar
06/12/25
SAE (C) / us

Assf. Engineer (C)
Uttaran Services Department
K. M. C.

Executive Engineer (Civil)
Uttaran Services Department
K. M. C.

82	UDMA.WATER SUPPLY WORKS:WEF_051018 4-1.12.ii	Supplying sign-board made of 25 mm thick sal plank with frame on all side of sal batten 50 mm x 32 mm with nailed on post 3.15m x 100mm x100mm and fitting fixing such with digging holes of dia 300 mm and depth 750 mm in all sorts of soil and repacking and consolidating the gap aroundthe post with cement concrete (1 : 3 : 6) painting 2 coats including cost of nails, bolts and nuts etc. complete in all respect as per direction of the Engineer-in-charge. Payment of concrete and painting to be made separately.(ii) 900 mm. x 600 mm. size of board.				
		Total	1.00	Each	813.00	813.00
83	UDMA.WATER SUPPLY WORKS:WEF_051018 3-1.1	Hire and labour charges for coir rope fencing 25 mm dia rope single on 120 mm dia bamboo posts 1.40 m above G.L and 600 mm below G.L, 1.50 m apart including digging holes complete.				
		Total	32.00	Metre	17.00	544.00
84	UDMA.WATER SUPPLY WORKS:WEF_051018 2-1.5	Cutting & picking up existing metallised black top portion of road surface to an average depth of 300 mm by using Jack hammer with all necessary tool and plant including reening the serviceable materials & stacking within a lead of 75 mtr. all complete as per direction of the Engineer-inCharge.				
			0.40	Cum	636.00	254.40
85	P.W.D. (Bldg) 2017,5th Corr.16.04.2019 Page 2, Item 1	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm. As directed and consolidating same by thorough saturation with water ramming complete including the cost of supply of sand. (Payment to be made on measurement of finished quantity)				
			0.600	%Cum	131714.00	790.28
86	UDMA.WATER SUPPLY WORKS:WEF_051018 4-1.14	Signalling arrangement at both sides of site to avoid any accident during working period 4 nos. red flags during sunlight at 4 corners and 2 nos light (lamp) in other than sunlight.				
			6	Day	202.00	1212.00
87	UDMA.WATER SUPPLY WORKS:WEF_051018 4-1.13	Hire & labour charges for diesel generating set for lighting including fuel,300M wire, 11 points with 200 Watt bulb with post for hanging & maintaining the same for day & night for the period.				
		Total	6	Day	1650.00	9900.00

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 Asst. Engineer (C)
 Uttaran Services Department

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 8/12/25
 Executive Engineer (Civil)
 Uttaran Services Department



88	PWD.SANITARY AND PLUMBING 2017 102-C.C.II.1e(ii)	Supply of G. I. pipes of TATA make including necessary sockets (f) 50 mm dia. (ii) Medium quality	70.00	metre	402.00	28140.00
89	PWD.SANITARY AND PLUMBING 2017 102-C.C.II.1j(ii)	Supply of G. I. pipes of TATA make including necessary sockets (i) 100 mm dia. (ii) Heavy quality	32.00	metre	983.00	31456.00
90	UDMA.WATER SUPPLY WORKS:WEF_051018 5-1.18	Removal of rubbish, earth etc. from the working site and disposal of thesame beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning thesite in all respect as per direction of Engineer in charge.	2.18	Cum	166.00	361.88
91	AS PER RATE APPROVED BY MUNICIPAL COMMISSIONER DATED 24.01.2019.	SUPPLY OF KSB MAKE SUBMERSIBLE PUMP MOTOR SET TYPE CORE 4C/8, 1 HP 220 VOLT WITH 1.5 INCH (40 MM) DIA DELIVERY OUTLET INCLUDING 1 HP CONTROL PANEL AND 1.5 SQ MM. 3 CORE CABLE OF 40 MTR LENGTH.	1.00	Each	21918.00	21918.00
					TOTAL	2791149.26

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Asst. Engineer (C)
Uttaran Services Department
K. M. C.

Executive Engineer (Civil)
Uttaran Services Department
K. M. C.

Dy. Chief Engineer (Civil)
Uttaran Services Department
K. M. C.

D. G.
Uttaran Services Department
K. M. C.



**NAME OF WORK:- CONSTRUCTION OF MODERN PAY AND USE TOILETS AT V.I.P BAZAR METRO STATION
GATE**

**ELECTRICAL WORKS
ABSTRACT OF ESTIMATE**

Estimate No-KMC/US/...../ Of 202 -2

Sl. No	Sch. Item	Description of item	Quantity	Unit	Rate	Amount Rs.
1	PWD Electrical works. Nov-2017. D-9/11	Supplying and fixing MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment ; 2 Way	1.00	Each	270.00	270.00
2	PWD Electrical works. Nov-2017. D-5/6	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. DP, L&T 40 A	1.00	Each	315.00	315.00
3	PWD 2017, Item No. 2b. Page No. E11	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish Average run 6 mtr	10.00	Point	691.00	6910.00

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 06/12/25
 SAE(C)/US
 Asst. Engineer (C)
 Uttar Services Department
 K. M. C.

Shankar
 06/12/25
 Executive Engineer (Civil)
 Uttar Services Department
 K. M. C.

4	PWD Electrical works. Nov-2014. E-11/2/c	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish Average run 8 mtr	10.00	Point	849.00	8490.00
5	PWD Electrical works. Nov-2017, E-11/2/e	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish Average run 10 mtr	8.00	Point	1007.00	8056.00

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6/12/25

Asst. Engineer (C)
Uttaran Services Department
K. M. C.

Executive Engineer (C)
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K. M. C.



6	PWD Electrical works. Nov-2017, E-11/2/e	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish Average run 12 mtr	10.00	Point	1165.00	11650.00
7	PWD Electrical works. Nov-2017. E-15/4/a	Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1.1 KV grade 1 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 5A 3 pin flush type plug socket & Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. painting the MS box and mending good the damages to original finish (a) on board	4.00	Point	67.00	268.00
8	PWD Electrical works. Nov-2017. E-15/4/f	Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1.1 KV grade 1 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 5A 3 pin flush type plug socket & Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. painting the MS box and mending good the damages to original finish (f) Average run 7.5 mtr	5.00	Point	775.00	3875.00

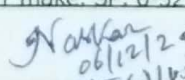
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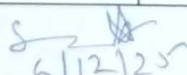
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9	PWD Electrical works. Nov-2017. E-18/9/b	Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) with 16A Modular type switch, without plug top on 4 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	2.00	Each	456.00	912.00
10	PWD Electrical works. Nov-2017. E-14/1/a/ii	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm)	85.00	MTR	119.00	10115.00
11	PWD Electrical works. Nov-2017. E-14/1/a/iii	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required 2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm)	55.00	MTR	149.00	8195.00
12	PWD Electrical works. Nov-2017. E-14/1/a/i	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required 2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm)	30.00	RM	102.00	3060.00
13	PWD Electrical works. Nov-2017. D-10/13	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. L&T make 2+6 way; Enclosure (LTSD08N)	2.00	NO.	1202.00	2404.00
14	PWD Electrical works. Nov-2017.D-6/7	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection. L&T make. DP. 6-32 Amp.	2.00	NO	478.00	956.00
15	PWD Electrical works. Nov-2017. D-6/7	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection. L&T make. SP. 6-32 A	6.00	NO	160.00	960.00


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 Uttaran Services Department
 K. M. C.


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 K. M. C.



16	PWD Electrical works. Nov-2014. F-4/7 a	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables as below : For 2 core upto 10 sqmm	3.00	Each	115.00	345.00
17	PWD Electrical works. Nov-2014. F-5/8b	Finishing the end of following XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials : 2 core 10 sqmm cable	4.00	Each	34.00	136.00
18	PWD Electrical works. Nov-2014. F-1/2a	Laying of cable upto 2 core 25 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting	35.00	RM	57.00	1995.00
19	UDMA, E&M, 2018, 11/1/c/(i)	Supplying of 1.1 KV. Grade PVC insulated Conductor of following cables (make: Polycab/ Gloster/Havells/): 2 core 10 sq.mm.	45.00	RM	101.00	4545.00
20	KMC Fair Rate 2018	Supply of street lighting LED luminaire 70 w to 80 w having top opening cover make: Crompton, Philips, Havells	2.00	Each	9700.00	19400.00
21	PWD Electrical works. Nov-2017. D-14/32/a	Supply & Fixing louver shutter on wall with necy. bolts & nuts (6 mm dia x 62 mm long) For Al 23 cm Exhaust fan (9")	6.00	Each	152.00	912.00
22	PWD Electrical works. Nov-2017.K-2/67	Two way Circular Box & cover	8.00	Each	15.00	120.00
23	PWD Electrical works. Nov-2017.K-2/69	3 way Ceiling Rose/Batten Holder	14.00	Each	18.30	256.20
24	UDMA, E&M, 2018, 15/15/a	Supply & delivery of the following 50 Hz, AC, Direct on Line Starter of continuous duty in sheet steel enclosure (make L&T/ABB/SCHNEIDER): 2 HP Single Phase (Max. Relay range 10.5-17.5 Amp)	4.00	Each	903.00	3612.00

Nankar
06/12/25
SAE (C) / 05

Asst. Engineer (C)
Uttaran Services Department
K. M. C.

6/22/25

Executive Engineer (Civil)
Uttaran Services Department
K. M. C.



25	KMC Fair Rate 2018	<p>WATER PUMP Domestic Water Transfer pumps and relevant piping and accessories. Note :- All pumps to be provided with mechanical seal and wearing ring. Performance curve should be got approved before placing the order. (All pumps should be supplied with base frame). Supply, installation, testing and commissioning KIRLOSKAR / BE / GRUNDFOSS / WILO / DP make Pump motor set for lifting / forcing water from a chamber of U.G. Reservoir to OHT placed on building roof, of required drive (Motor HP), having discharge capacity and pumping head as described below with support clamp/lifting device separate or common base frame with all electrical accessories, with over load protection relay power cable and control cable from MCC to respective motors, earthing including other accessories (recommended by manufacturer) etc., such as 100 mm dia. pressure gauge (range 0-15 Kg./Sq.cm.) with control cock fitted on delivery line, coupling of required size on suction and flexible removable type (Flanged) coupling on delivery end of pump, required M.S. galvanised supporting frame complete operational. (a) Lift Pump : (Domestic) (i) A set of two nos of open well Submersible Pump Motor set (1 operating, 1 standby) : Duty Condition of each pump 6 Kl./Hr. @ of 30 m Pumping head from UGR to over head tank. (Considering one hours operation at a time and two times in a</p>	1.00	Set of 2	36000.00	36000.00
26	PWD Electrical works. Nov-2017.H-5/5	<p>Supplying & Fixing GI waterproof type looping cable box size 200x150x100 mm deep having 4 mm thick comprising of one 250 V 15 A kit-kat fuse unit, one NL on porcelain insulator, one compression type brass cable gland for upto 2- core 16 sqmm PVC/A cable and having lined with rubber gasketed GI top cover with brass machine screws etc., earthing terminal with lug, on steel tubular pole near base, including S&F 40x6 mm thick, MS clamps with bolts, nuts etc. including painting with anticorrosive paint</p>	4.00	NO	458.00	1832.00

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Asst. Engineer (C)
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27	PWD Electrical works. Nov-2017. H-5/3	Fixing outdoor type fluorescent/SV/MV light fitting on pole including S&F 40 mm dia x 1.68 mts. long GI Pipe (ISI-Medium) bracket with 40 mmx10 mm thick, MS clamp etc. and providing wiring with 2x1/1.40 PVC insulated & sheathed wire (single core) partly in GI conduit & partly through above bracket from OH line to the fitting, without control switch, incl. making connections and painting	4.00	NO	1400.00	5600.00
28	PWD 2017 Item No. 7/a Page No C-1	Fixing only starters (for motor control) on flat iron frame / angle iron frame on wall, Star-Delta starter for motor (above 5 HP upto 15 HP). On angle iron frame (for higher rating)	4.00	Each	215.00	860.00
29	PWD Electrical works. Nov-2017.G-1/2e	Earthing with 80 mm dia GI pipe (TATA-Medium)x 3.0 Mts. long and 1 No. 65 mm x 8 mm galvanized (Hot Dip) steel strip (4 Mts. long), 20 mm dia x 125 mm long galvanized bolt, double nuts, double washers including finishing both ends by making holes etc. and S & F 80 mm dia GI pipe (ISI-Medium) protection (3 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level to an average depth of 3.65 Mts	2.00	SET	5349.00	10698.00
30	PWD Electrical works. Nov-2014.G-2/3A	Extra for providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep (below Ground level) complete with cemented brick work(1:6)of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling of 46 nos.12 mm dia holes on the GI pipe	2.00	SET	915.00	1830.00
31	PWD Electrical works. Nov-2014.G-1/1/a	Excavation of soil for installation of Earth Electrode and filling & ramming. For Soft Soil	4.00	Cu mtr.	215.00	860.00
32	PWD Electrical works. Nov-2017.G-2/4B	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 40 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required	13.00	MTR	194.00	2522.00

Nandan
06/12/25
SAEG/105

Abhishek
6/12/25

S. K. B.
6/12/25

Sanjay
06/12/25

Asst. Engineer (C)
Uttaran Services Department

Executive Engineer (Civil)
Uttaran Services Department
K. M. C.

Chief Engineer (Civil)
Uttaran Services Department
K. M. C.

D. G.
Uttaran Services Department
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33	PWD Electrical works. Nov-2014.G-2/5 A.ii	Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages. Solid GI wire No. 6 SWG	20.00	MTR	13.00	260.00
34	UDMA Schedule 2018/Pg 14/6	Supply and delivery of 230V,50Hz Heavy duty Metal 9"exhuast fan.	6.00	Each	1863.00	11178.00
35	UDMA Schedule 2018/Pg 23/71/a	Supply and delivery of Wall fan 16" Sweep metal blade (a) Crompton Make	5.00	Each	2946.00	14730.00
36	PWD Electrical works. Nov-2017.c-4/28/a	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust of following diameter (a) 23 cm (9")	4.00	Each	247.00	988.00
37	PWD Electrical works. Nov-2017.c-4/30/a	Fixing only louver shutter/cowl on wall with necy. bolts & nuts (6 mm dia x 62 mm long) (a) for 23 cm (9") Exhaust Fan	4.00	Each	82.00	328.00
38	PWD Electrical works. Nov-2017.c-4/29	Fixing only cabin fan on wall/ceiling by S&F rag bolts, nuts & washers (6 mm dia x 62 mm long) or as reqd. incl. S&F 24/0.20 PVC insulated flexible copper wire 0.5 mt. length	5.00	Each	92.00	460.00
39	KMC Passed File rate	9-15 W round type LED luminairies Make: Philips/Havells/Wipro	20.00	Each	1112.00	22240.00
40	UDMA Schedule 2018/Pg 14/4	Supply and Fixing of 2 mm Polyvinyl glow sign board made of 22 SWG GI sheet box with 1"X1" aluminum channel for fixing the vinyl board after necessary cutting the letter as required & s/f LED tube light fittings along with all accessories	22.00	Sq. Ft.	495.00	10890.00
TOTAL						219033.20

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Asst. Engineer (C)
Uttaran Services Department
K. M. C.

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Executive Engineer (Civil)
Uttaran Services Department
K. M. C.

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08/12/25
Dy. Chief Engineer (Civil)
Uttaran Services Department
K. M. C.

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D. G.
Uttaran Services Department
K. M. C.



NAME OF WORK:- CONSTRUCTION OF MODERN PAY AND USE TOILETS AT V.I.P BAZAR METRO STATION GATE

NON SCHEDULE WORKS

ABSTRACT OF ESTIMATE

Estimate No-KMC/US/...../ Of 202 -2

Sl. No	Sch. Item	Description of item	Quantity	Unit	Rate	Amount Rs.
1	Non Schedule item	Supplying sanitary napkin (whisper or similar make 50 pcs)	4.00	Each	520.00	2080.00
2	Non Schedule item	Supplying and fixing sinage with fixing stand post for public toilet for vissible to passerby.	1.00	Each	1000.00	1000.00
3	Non Schedule item	Standard Plastic (12L) Dustbin (E3)	12.00	Each	350.00	4200.00
4	Non Schedule item	Wall Mounted ABS Plastic Liquid Soap Dispenser for Bathroom(350ml)(E4)	10.00	Each	350.00	3500.00
5	Non Schedule item	Odonil toilet air freshner (D5)	15.00	Each	216.00	3240.00
6	Non Schedule item	Paper Napkin(A5)	15.00	Each	50.00	750.00
7	Non Schedule item	Harpic(blue 500ml)	15.00	Each	300.00	4500.00
8	Non Schedule item	Harpic(red 500ml)	15.00	Each	150.00	2250.00
9	Non Schedule item	Gala double lip floor wiper	5.00	Each	350.00	1750.00
10	Non Schedule item	Air freshner (Napthalin 250gm)	12.00	Each	210.00	2520.00
11	Non Schedule item	Bleaching powder	12.00	kg	120.00	1440.00
12	Non Schedule item	Dettol,Lifebuy or similar make liquid soap	8.00	Lit	140.00	1120.00
13	Non Schedule item	Rubber hand gloves	8.00	pair	80.00	640.00
14	Non Schedule item	Double side plastic brush	8.00	Each	125.00	1000.00
15	Non Schedule item	Plastic broom	6.00	Each	170.00	1020.00
16	Non Schedule item	Signage ACP Base and Reflective Vinyl	5.00	Each	3776.00	18880.00
17	Non Schedule item	Supplying roaster/register for keeping account of regular cleaning(D1)	2.00	Each	200.00	400.00
18	Non Schedule item	Lettering on toilet wall for display of name and contact details of ULB,Ward no. and name of maintenance Authority, Sanitary inspector etc.	1.00	Each	1000.00	1000.00
TOTAL						51290.00

Kumar
08/12/25
SAE(w)US

Asst. Engineer (C)

Uttaran Services Department

6/12/25

Executive Engineer (Civil)

Dr. Chief Engineer (Civil)

Uttaran Services Department

6/12/25

D. G.
Uttaran Services Department
K. M. C.

