

Item	Ref.	Item of Work	Qty.	Unit	Rate Rs. P.	Amount (In Rs.)
19	P.W.D. (Bldg) 2017 Page 145, Item No. 29	Anodised aluminium butt hinges of approved quality manufactured from extruded section conforming to IS specification (I.S. 20566) and fitted and fixed with cadmium plated screws 75 x 45 x 2.5mm	6.00	each	52.00	312.00
20	P.W.D. (Bldg) 2017 Page 144, Item No. 26	Anodised aluminium barrel/tower/socket bolt(full covered) of approved manufactured from extruded section conforming to I.S. 20474 fitted and fixed with cadmium plated screws 100mm long x 10mm dia bolt	4.00	each	53.00	212.00
21	P.W.D. (Bldg) 2017 Page 143, Item No. 24	Iron door ring of approved quality fitted and fixed with nut and washer complete 75mm dia	4.00	each	28.00	112.00
22	P.W.D. (Bldg) 2017 Page-192, Item No. 1	Labour for Chipping of concrete surface before taking up Plastering work	19.90	Sqm	21.00	417.90
23	P.W.D. (Bldg) 2017 Page-189, Item No. 1	Plaster(to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating nosing and drip course where necessary (ground floor)				0.00
		a) 20 mm thk Plaster(1:6 cement Mortar)	20.55	Sqm	107.00	3431.85
24		b) 15 mm thk Plaster(1:4 cement mortar)	15.93	Sqm	101.00	2604.73
25		c) 10 mm thk Plaster(1:4 cement mortar)	4.78	Sqm	129.00	616.62
26	Sanitary & Plumb.2017 Page-65, Item No. 14 (A) (iii)	Supplying, fitting and fixing cast iron 'P' or 'S' trap conforming to IS 3989/1970 and 1729/1964 including lead caulked joints and painting two coats to the exposed surface.(Painting to be paid separately) P trap 100 mm	2.00	Each	948.00	1896.00
27	P.W.D. (Bldg) 2017 Page - 200, Item No. 71(b)	Priming one coat on timber plastered surface with synthetic enamel/oil bound primer of approved quality including smoothing surfaces by sand papering etc.	20.71	Sqm	38.00	786.98
28	P.W.D. (Bldg) 2017 Page - 200, Item No. 1(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.	0.99	Sqm	29.00	28.71
29	P.W.D. (Bldg) 2017 Page-200, Item No.2(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.				0.00
		a) On timber or plastered surface, with super gloss (hi-gloss) Two coats (with any shade except white).	20.71	Sqm	81.00	1677.61
30		b) On steel or other metal surface with super gloss (hi-gloss) Two coats (with any shade except white).	0.99	Sqm	79.00	78.21
31	Sanitary & Plumb.2010 Page-2, Item No.1.	Supplying, fitting and fixing G.I. Pipes TATA make with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece, etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground.				0.00
		For Exposed Work:				0.00
		i) 15mm. Dia Medium quality		M	192.00	0.00
		ii) 20mm. Dia Medium quality		M	226.00	0.00
		iii) 25mm. Dia Medium quality	15.00	M	305.00	4575.00
		For Concealed Work:				0.00
		i) 15mm. Dia Medium quality	5.00	M	238.00	1190.00
		iii) 25mm. Dia Medium quality	12.00	M	364.00	4368.00
34	Sanitary & Plumb.2017 Page-5, Item No.5	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21Kg per sq. cm.				0.00
		A) 25 mm. Dia	1.00	Each	778.00	778.00
35		B) 15 mm. Dia	1.00	Each	438.00	438.00
36	Sanitary & Plumb.2017 Page-4, Item	Supplying, fitting and fixing Pool's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21Kg per sq.cm.) 25mm. dia	1.00	Each	912.00	912.00
37	Sanitary & Plumb.2017 Page-6, Item	Supplying, fitting and fixing C.P. Bip cock/stop cock Chromium plated Stop Cock. [Equivalent to code No 513(A) & 513(B) & Model - Tropical/Sumthing Special of ESSCO or similar brand]	6.00	Each	493.00	2958.00
38	Sanitary & Plumb.2017 Page-37, Item No.5	Supplying plastic water storage tank of approved quality with closed top with lid (Black) - Multilayer. b) 500 litre capacity	1.00	Each	2584.00	2584.00
39	Sanitary & Plumb.2017	Labour for hoisting plastic water storage tank upto 1500 litre capacity, upto 1st story from G.L.	1.00	Each	96.00	96.00
40	Sanitary & Plumb.2017 Page-38	Labour for punching hole in plastic water storage tank upto 50mm. Dia.	4.00	Each	19.00	76.00
41	Sanitary & Plumb.2017 Page-41, Item No. 2	Supplying, fitting and fixing white vitreous china best quality approved make wash Basin with C.I. Brackets on 75mm X 75mm X 75mm wooden blocks, C.P. waste fittings of 32mm dia, one approved quality brass C.P. pillar cock of 15mm dia, C.P. chain with rubber plug of 30mm dia, approved quality P.V.C. waste pipe with C.P. nut 32mm. dia, 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint.				
		i) 450mm X 300mm size	2.00	Each	3260.00	6520.00
42	Sanitary & Plumb.2010 Page-80,	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make supplied, fitted and fixed in position with brass screws on 75mm X 75mm wooden blocks complete.				
		(i) 835 mm X 395 mm X 420 mm		Each		0.00
		(ii) 470 mm X 280 mm X 340 mm	2.00	Each	2869.00	5738.00
		(iii) Corner urinal 440 mm X 345 mm X 250 mm		Each	0.00	0.00

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Item No.	Ref.	Item of Work	Qty.	Unit	Rate Rs. P.	Amount (in Rs.)
43	Sanitary & Plumb.2017 Page-80, Item-9	Supplying,fitting and fixing Foot rest for water closet of size 275mm X 125mm. With porcelain of approved make.	2.00	Each pa	214.00	428.00
44	Sanitary & Plumb.2017 Page-81.	Supplying, fitting and fixing 18 mm thick marble partition slab with chawk doongri marbel square cut, both sides polished with two front corners rounded and edges polished.	0.45	Sqm	1426.00	641.70
45	P.W.D. (Bldg) 2017	Neat cement punning about 1.5mm. Thick in wall dado, window, sills, floors, drain etc.	4.00	Sqm	34.00	136.00
46	Sanitary & Plumb.2017 Page-64, 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).				
		iv) 100 mm. Dia	12.00	M	294.00	3528.00
		iii) 150 mm. Dia	8.00	M	334.00	2672.00
47	Sanitary & Plumb.2017 Page-19	Supply of high density polythene pipe conforming to IS 4984-1985. A) 6Kg/sq.cm. (Working pressure) Dia 75mm	3.00	M	248.00	744.00
48	P.W.D. (PLUMBING) 2017 Page - 87, Item No. 1	Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.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 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earthwork 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. SECTION (B) - SANITARY AND DRAINAGE WORKS i) With Pakur variety. (SAIL/TAT	1.00	Sqm	7149.00	7149.00
49	P.W.D. (Bldg) 2017 Page - 202,	Supplying, fitting and fixing in position C.I. manhole/ pit cover with rim. a) Round (i) 450 mm X 100 mm X 21 kg (approx.)	1.00	Sqm	3526.00	3526.00
50	P.W.D. (Bldg) 2017 Page 62. Item No. 31	Supplying, fitting & fixing granite tiles 10mm to 12mm. thick in columns, wall, fascia etc. with 15 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. [Using cement slurry at back side of tiles@ 4.4 kg/sq.m &white cement slurry for joint filling @ 1.8 kg/sq.m]	5.80	Sqm	1755.00	10179.00
51	P.W.D. (Bldg) 2017 Page 64. Item No. 35	Supplying, fitting and fixing 1st quality ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones(10 mm) fixed with araldite at the back of each til & finishing the joints with cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface,if necessary or by sybthetic adhesive & grout materials etc.				
		FLOOR				
		(b) Area of each tile above 0.09 Sq.m				
		Gents & Ladies Block				
		i) Coloured decorative	6.38	SQM	910.00	5805.80
Sub-Total cost of works(A)						217705.48
say						217705.00

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Executive Engineer (Civil)
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K. M. C.

ABSTRACT ESTIMATE (ELECTRICAL)

NAME OF THE WORK: CONSTRUCTION OF ROAD SIDE URIANL AT G-213 BATTIKAL 2ND LANE IN WD NO: 134 UNDER BR XV.

SL NO	Reference	ITEM DESCRIPTION	Unit	Qty	Rate (Rs.)	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 Wav	Each	1	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	Each	1	315.00	315.00
3	PWD Electrical works. Nov-2017, E-9/2/a	Distn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) in 19 mm bore, 3 mm thick polythen pipe complete with all accessories embedded in wall to light/fan/call bell points with Piano key type switch (Anchor make) fixed on sheet metal (16 SWG) switch board with bakelite/perspex (wall matching colour) top cover (3 mm thick) flushed in wall incl. mending good damages to original finish a) 2x22/0.3 (Ph. & N) and 1x22/0.3 as ECC Average run 9 mtr	Point	4	1061.00	4,244.00
4	PWD Electrical works. Nov-2017. E-18/9/a	Supply & Fixing 240 V, 6 A, 3 pin Modular type plug socket (Brand approved by EIC) with 6A Modular type switch, without plug top on 4 Module GI Modular type switch board with 3 Module 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	Point	1	377.00	377.00
5	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	Point	1	456.00	456.00
6	PWD Electrical works. Nov-2017. E-9/C/1/b	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required 3 x 22/0.3 (1.5 sqmm)	RM	10	48.00	480.00

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7	PWD Electrical works. Nov-2017. E-9/C/1/s	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required 2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm) as ECC	RM	25	65.00	1,625.00
8	PWD Electrical works. Nov-2017. E-9/C/1/v	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required 2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC	RM	20	95.00	1,900.00
9	PWD Electrical works. Nov-2017. E-2/b/4/a	Cutting channel of 43 mm x 43 mm size on masonry wall incl. S&F heavy gauge polythene pipe dia as stated below, by means of iron hooks and supplying and drawing 18 SWG GI Wire as fish wire incl. mending good damages to building works 25 mm dia 3 mm thick polythene pipe without earth continuity wire	RM	55	111.00	6,105.00
10	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	RM	15	57.00	855.00
11	UDMA, E&M, 2018,11/1/a/(i)	Supplying of 1.1 KV. Grade PVC insulated Conductor of following cables (make: Polycab/ Gloster/Havells/): 2 core 4 sq.mm.	RM	15	73.00	1,095.00
12	Irrigation Schedule P-111, 5.3.F.9.0.2	Supply and fixing of smart bright essential street light (30 Watt) complete with all accessories to be fixed /projected from the wall of the building or on pole incl. making holes/ providing clamping arrangement & necy. GI reducer as required. S&F 40 mm GI pipe (ISI-Medium) quality 1.5 mts. average length having suitable bend S&F necy. length of 1.5 sqmm PVC insulated single core stranded annealed copper wire and making connections as required and mending good damages to wall incl. painting etc. Make : Bajaj, 30 watt	Each	2	3016.00	6,032.00
13	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")	Each	1	152.00	152.00
14	PWD Electrical works. Nov-2017.H-5/5	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	NO	2	458.00	916.00

15	UDMA Schedule 2018/Pg-14/6	Supply and delivery of 230V,50Hz Heavy duty Metal 9"exhaust fan.	Each	1	1863.00	1,863.00
16	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 (a0 23 cm (9"))	Each	1	247.00	247.00
17	Irrigation Schedule P-110, 5.3.F.5	Supply and fixing of philips Smartbrite Xtra 2ft run length LED Batten Tube light, 12 wafI incl Fixing only fluorescent light filing suspended 25 cm bellow the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports incl. S&F EI conduit, ball socket/socket type ceiling plate and connecting the length of PVC insulated wire and painting etc. as required by 2x24/0.20 mm (1.5sqmm) flexible copper wire of 1.10 mt. length	Each	3	728.00	2,184.00
18	UDMA.ELECTR IC-MECH.WOR K(VOL-1)OCT1 8 44-E/34	Supply, and fixing of 1 HP self Priming pump: Make- KSB, Peribloc-1	Each	1	6,377.00	6,377.00
						35,493.00

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Dy. Chief Engineer (Civil)
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To whom it may concern

Uttaran Services Department vetted civil estimated file and Electrical estimated file have been uploaded to CSAP-3A except non scheduled estimated file for construction of Road side Urinals. After construction of Road Side Urinals which will be maintained by Kolkata Municipal Corporation.

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