



Government of West Bengal
Office of the Superintending Engineer, East Circle
Municipal Engineering Directorate
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Memo No. ME/SE(E)/ 321 /1S-615/2020

Date- 16.09.2022

CORRIGENDA NOTICE

Tender ID: 2022_MAD_403609_1

Sl. No.	Description	In-?lace of	Please read
1	Work/Item(s)-Title	Ward No. 05	Ward No. 08
2	EMD Payable To	EE_NORTH 24 PGS_DIVISION	NIL
3	EMD Payable At	NORTH 24 PARGANAS	NIL
4	Work Item Document	SCHED1A	SCHEDULE 1A

J. Choudhury

16/09/22

Superintending Engineer
East Circle, M. E. Directorate
UD & MA Deptt., Govt. of W.B

SCHEDULE - 1A

**Construction of proposed 50 beded Three storied SUH at ward no- 08 within
Basirhat Municipality under NULM**

<i>Sl no</i>	<i>Name of Items</i>	<i>Amount</i>
Annexure - 1A(a)	Estimate of Building work including land development	Rs 19310093.00
Annexure - 1A(b)	Estimate of Sanitary and Plumbing Work	Rs 818829.00
Annexure - 1A(c)	Estimate of Boundary wall	Rs 532416.00
Annexure - 1A(d)	Estimate of Drain And Approach Road	Rs 630429.00
Annexure - 1A(e)	Estimate of Semi under ground Reservoir	Rs 50656.00
Total Amount		Rs 21342423.00

Annexure 1A(a): Estimate of Building work including Land Development

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
1	36, I-24,	<p>Providing Bored Cast-in-situ <u>M25</u> grade R.C.C. pile in position as per specifications in all kinds of soil including cost of boring using drilling mud to stabilize the bore and flushing the bore of excess mud with freshly prepared drilling fluid by using pumps prior to placing concrete by tremie pipe in one continuous operation and including the cost of all materials and labour for placing of concrete and also including the cost of mobilization and hire charges of all equipment necessary for boring, welding of reinforcement cage as necessary and lowering of reinforcement cage, preparation and placing of concrete, including the cost of concrete but excluding the cost of reinforcement and labour for bending binding etc. complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. Work to be executed as per IS: 2911 (Part II Sec 2).</p> <p><i>Using tripod winches Pile diameter - 600mm (Including M25 concrete)</i></p>	680.000	Mtr	784.000 2680	533120.00 1958900.00
2	P-301 I-12, 15 I-12, 19, P-298, PWD ROAD SCHEDULE E	<p>Performing Vertical load test on single Pile in accordance with IS:2911(Part IV) by hydraulic jacks on pile/piles with 1.5 times the design load including preparation of the head of piles with concrete of required strength for receiving the jacks with all ancillary arrangements for setting up gauges, construction of suitable platforms, keeping the loads and dismantling and removing all arrangement etc. complete as per IS specification and direction of Engineer-in-charge. ii) Testing load between 100 T and 150 T.</p>	1.000	Each	Performance of high strain pile load test - - - - - - b) For Test load 101 MT to 300 MT 67200.000 161254.00	67200.00 1,61,254.00
3	I-6, P-25	<p>Controlled Cement concrete with well graded stone chips (20 mm nominal size) excluding shuttering and reinforcement with complete design of concrete as per IS : 456 and relevant special publications, submission of job mix formula after preliminary mix design after testing of concrete cubes as per direction of Engineer-in charge. Consumption of cement will not be less than 300 Kg of cement with Super plasticiser per cubic meter of controlled concrete but actual consumption will be determined on the basis of preliminary test and job mix formula. In ground floor and foundation.[using concrete mixture] M 25 Grade (Rate Analysis Enclosed)</p>	250.084 43.832	Cum	6680.740	1670746.18 292830.20
4	Page -1, It-2	<p>Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1500 mm</p>	114.701	Cu.M	119.27	13680.39
5	Page -1, It-3	<p>Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)</p>				
		<p>(a) With earth obtained from excavation of foundation</p>	91.761	Cu.M	77.54	7115.15
		<p>(iii) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5 km. including the cost of carried earth</p>	121.200	Cu.M	399.01	48360.01

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
6	Page -47, It-3	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches	500.460	Sq.m	24.00	12011.04
7	Page -14, It-1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. (3rd Corrigenda & Addenda on 04/06/2018)	122.464	Sq.m	361.00	44209.32
8	Page -2, It-4	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (3rd Corrigenda & Addenda on 04/06/2018)	97.092	Cu.M	936.21	90898.50
9	Page -34, It-22	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) in ground floor (A) [Pakur Variety] (a) 1:3:6 proportion (3rd Corrigenda & Addenda on 04/06/2018)	40.821	Cu.M	5248.44	214246.57
10	Page -15, It-8	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth (3rd Corrigenda & Addenda on 04/06/2018)	66.600	cu.m	5367.81	357496.15
11	Page -15, It-8.	Brick work with 1st class bricks in cement mortar (1:6) (b) In superstructure, ground floor (3rd Corrigenda & Addenda on 04/06/2018)				
		(I) GROUND FLOOR	86.760	cu.m	5590.81	485058.68
		(II) FIRST FLOOR	73.863	cu.m	5701.81	421152.79
		(III) 2ND FLOOR	73.863	cu.m	5812.81	429351.59
		(IV) THIRD FLOOR	27.980	Cu.m	5923.81	165748.20
12	Page -16, It-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor. (3rd Corrigenda & Addenda on 04/06/2018)				
		(I) GROUND FLOOR	89.572	Sq.m	728.56	65258.58
		(II) FIRST FLOOR	89.572	Sq.m	740.56	66333.44
		(III) 2ND FLOOR	89.572	Sq.m	752.56	67408.30
		(IV) THIRD FLOOR	124.620	Sq.m	764.56	95279.47
13	Page-17, It- 21	75mm. thick brick work with 1st class bricks set in cement sand mortar (1:3) in ground floor including H.B netting in every alternative layers. (3rd Corrigenda & Addenda on 04/06/2018)				
		(I) GROUND FLOOR	40.230	Sq.M	543.71	21873.45
		(II) FIRST FLOOR	44.820	Sq.M	555.71	24906.92
		(III) 2ND FLOOR	44.820	Sq.M	567.71	25444.76
		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). [Excluding cost of chipping over concrete surface. (3rd Corrigenda & Addenda on 04/06/2018)				
		(i) With 1:6 cement mortar				
		(c) 15 mm thick plaster				
		(I) GROUND FLOOR	172.695	Sq.m	148.71	25681.47
		(II) FIRST FLOOR	175.830	Sq.m	152.71	26851.00
		(III) 2ND FLOOR	175.830	Sq.m	156.71	27554.32
		(IV) THIRD FLOOR	396.846	Sq.m	160.71	63777.12

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
14	Page-189, It-1	a) with 1:6 cement mortar				
		(b) 20mm thick plaster				
		(I) GROUND FLOOR	831.690	Sq.m	171.57	142693.05
		(II) FIRST FLOOR	716.490	Sq.m	175.57	125794.15
		(III) 2ND FLOOR	716.490	Sq.m	179.57	128660.11
		(IV) THIRD FLOOR	116.100	Sq.m	183.57	21312.48
		(i) With 1:4 cement mortar				
		(c) 10 mm thick plaster				
		(I) GROUND FLOOR	271.797	Sq.m	130.71	35526.59
		(II) FIRST FLOOR	287.337	Sq.m	134.71	38707.17
(III) 2ND FLOOR	287.337	Sq.m	138.71	39856.52		
(IV) THIRD FLOOR	58.945	Sq.m	142.71	8412.04		
15	Page -26, It-10	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 relevant IS codes. (i) Pakur Variety (3rd Corrigenda & Addenda on 04/06/2018)				
		(I) GROUND FLOOR	105.436	Cu.m	6103.75	643554.99
		(II) FIRST FLOOR	72.908	Cu.m	6198.75	451938.47
		(III) 2ND FLOOR	72.908	Cu.m	6293.75	458864.73
		(IV) THIRD FLOOR	22.472	Cu.m	6388.75	143567.99
16	Page -43, It-40	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. III. OTHER MANUFACTURER NOT SPECIFIED (10th Corrigenda & Addenda on 22/01/2020)				
		(I) GROUND FLOOR	41.034	MT	53616.20	2200108.11
		(II) FIRST FLOOR	8.013	MT	54096.20	433472.85
		(III) 2ND FLOOR	8.013	MT	54576.20	437319.09
		(IV) THIRD FLOOR	2.470	MT	55056.20	135988.81
17	Page -42, It-36	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)				
		f) 25 mm to 30 mm shuttering without staging in foundation	142.102	Sq.m	209.00	29699.32
		(c) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work				
		(I) GROUND FLOOR	816.610	Sq.m	369.00	301329.09
		(II) FIRST FLOOR	608.030	Sqm	387.00	235307.61
		(III) 2ND FLOOR	608.030	Sqm	405.00	246252.15
(IV) THIRD FLOOR	201.510	Sqm	423.00	85238.73		

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
18	Page -69. It-41	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./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				
		(I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment				
		B) Light Colour				
		(I) GROUND FLOOR	219.700	Sq.m	1285.00	282314.50
		(II) FIRST FLOOR	224.500	Sq.m	1290.00	289605.00
		(III) 2ND FLOOR	224.500	Sq.m	1295.00	290727.50
19	Page -64. It-35	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. (3rd Corrigenda & Addenda on 04/06/2018)				
		(A) Floor :				
		With Sand Cement Mortar (1:4) 20 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				
		(a) Area of each tile upto 0.09 Sq.m				
		(i) Coloured decorative				
		(I) GROUND FLOOR	42.380	Sq.M	755.00	31996.90
		(II) FIRST FLOOR	38.530	Sq.M	760.00	29282.80
		(III) 2ND FLOOR	38.530	Sq.M	765.00	29475.45
		(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.				
(a) Area of each tile upto 0.09 Sq.m						
(i) Coloured decorative						
(I) GROUND FLOOR	171.150	Sq.M	757.00	129560.55		
(II) FIRST FLOOR	171.150	Sq.M	762.00	130416.30		
(III) 2ND FLOOR	171.150	Sq.M	767.00	131272.05		
19	Page -40, It-30	Supplying, fitting and fixing Fan Hook for ceiling with 1metre long 16mm dia rod complete including mending damages. Payment for damage and repair to be makde separately	100.000	Each	100.00	10000.00

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
20	Page - 106, It-18	Collapsible gate with 40mm x 40mm x 6mm tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings 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) (add extra @1% for each addl. floor upto 4th floor and @ 1.25% for each addl floor above 4th floor) (in ground floor) <i>(5.4 Cement and 8.8 bricks on 22/05/2018)</i>	8.400	Sq.m	4330.00	36372.00
21	Page - 192, It-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. (surrounding plinth)	61.200	sqm	32.85	2010.42
22	Page - 114, It-1	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame excluding cost of concrete, Iron butt hinges and M.S. Clamps (The quantum should be corrected upto three decimals). (d) Sal : <i>Siliguri. Local</i>			<i>72671.00</i> <i>72871.00</i> <i>78071.00</i>	<i>33320.86</i> <i>28345.00</i> <i>28412.84</i>
		(I) GROUND FLOOR	0.429	cum	9812.00	4209.05
		(II) FIRST FLOOR	0.364	cum	9832.00	35785.57
		(III) 2ND FLOOR	0.364	cum	9852.00	35858.37
23	Page - 117, It-1	Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings. In ground floor. (In case of non-supply of single plank, penal rate of reduction of 20% will be made) (iii) 35mm thick shutters with 19mm thick panel of size 30 to 45 cm b) <i>Sishu, Gamar, Champ, Badam, Bhole, Mogra, Holiak</i> <i>Other local wood</i>			<i>1856.00</i> <i>1885.00</i> <i>1856.00</i> <i>1914.00</i>	<i>45212.16</i> <i>27209.50</i> <i>28135.80</i>
		(I) GROUND FLOOR	24.360	sqm	2948.00	71813.28
		(II) FIRST FLOOR	14.700	sqm	2977.00	43761.90
		(III) 2ND FLOOR	14.700	sqm	3006.00	44188.20
24	Page - 140, It-5	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISmark.(v) 75mm. X 60mm. X 3.15mm.ln				
		(I) GROUND FLOOR	54.000	Each	47.00	2538.00
		(II) FIRST FLOOR	42.000	Each	47.00	1974.00
		(III) 2ND FLOOR	42.000	Each	47.00	1974.00
25	Page - 141, It-8	Iron socket bolt of approved quality fitted and fixed complete.c) 150mm long x 10mm dia bolt.	23.000	Each	63.00	1449.00
26	Page - 141, It-10	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting.(b) 250mm long.	23.000	Each	159.00	3657.00
27	Page - 145, It-30	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete:a) With continuous plate base (Hexagonal/ Round rod)(ii) 100 mm grip x 10 mm dia rod.	54.000	Each	69.00	3726.00

Sl No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
28	Page - 140, It-4	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost of concrete will be paid separately) (b) 40mm X 6mm, 200mm Length	138.000	Each	25.00	3450.00
29	Page- 104,It-13	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. fitting and fixed with necessary screws and lugs. (I) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr. (3rd Corrigenda & Addenda on 04/06/2018)				
		(I) GROUND FLOOR	4.380	qntl	9888.00	43309.44
		(II) FIRST FLOOR	5.170	qntl	9986.88	51632.17
		(III) 2ND FLOOR	5.170	qntl	10085.76	52143.38
		(IV) THIRD FLOOR	0.693	qntl	10184.64	7057.96
30	Page - 233 item 1	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285- 1975; Anodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composite door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In- Charge. (Payment will be made on finished length of the work). (A) In 10-12 Micron thickness Anodizing film I) Natural white				
		a) 2- track sliding window				
		i) Bottom frame	5.400	Mtr.	218.00	1177.20
		ii) Top and side frame.	29.700	Mtr.	195.00	5791.50
		b) 3- track sliding window				
		i) Bottom frame	40.800	Mtr.	311.00	12688.80
		ii) Top and side frame.	132.600	Mtr.	270.00	35802.00
		d) Shutter for all track sliding window				
		i) Bottom & Top member.	92.400	Mtr.	117.00	10810.80
		ii) Style side member.	116.100	Mtr.	119.00	13815.90
		iii) Interlock member.	207.900	Mtr.	148.00	30769.20
		h) Louvered window. (For Ventilator)				
		i) Top, bottom and side member.	72.000	Mtr	183	13176.00
		ii) Louvered Section.	108.000	Mtr	65	7068.00
		iii) Cleat angle (Non-anodized).	216.000	Mtr	263.00	56808.00
31	Page - 239 item 2	Labour charge for fabrication and installation of composite door, window , partitions made from anodized extruded alloy aluminium sections for the following units:- (A) Glazed aluminium sliding windows made of extruded and anodized alloy aluminium sections, fabrications, including cutting to proper shape and size, drilling and aligning of window shutter frame fitted with in built locking arrangements, sliding rollers and other necessary fittings, fixture, adhesives and joineries along with extruded neoprene or EPDM gasketing in between window frame and masonry work (walls, column, beam.lintels etc.) as well as between glass and shutter frame for fixing glass and Poly Sulphate sealant and in between shutter and window frame where necessary including cutting to requisite size and fixing glass as per drawing, specification and direction of EIC. The rate includes the hire charge of all tools and plants, including all incidental charges, adhesive, joineries such as screw, cleat angle etc. but excluded the cost of extruded aluminium sections, glass, neoprene / EPDM gasketing, locking arrangement and rollers.				
		i) 2 track sliding window.				
		(I) Ground Floor :	2.430	Sq.M	696.00	1691.28
		(II) 1st Floor	2.430	Sq.M	708.00	1720.44
		(III) 2nd Floor	2.430	Sq.M	720.00	1749.60

71064.00
56808.00

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
		ii) 3 /4 track sliding window.				
		(I) Ground Floor :	16.200	Sq.M	941.00	15244.20
		(II) 1st Floor	19.440	Sq.M	953.00	18526.32
		(III) 2nd Floor	19.440	Sq.M	965.00	18759.60
		v) Louvered window.				
		(I) Ground Floor :	3.600	Sq.M	730.00	2628.00
		(II) 1st Floor	3.600	Sq.M	742.00	2671.20
		(III) 2nd Floor	3.600	Sq.M	754.00	2714.40
32	Page - 242 item- 6	Supplying PVC rollers for sliding windows as per direction of Engineer in charge.	480.000	Each	14.00	6720.00
33	Page - 242 item- 7	Supplying maruti lock (100mm)	86.000	Pair	46.00	3956.00
34	Page - 242 item- 8	Supplying EPDM gasket of approved make and brand as per direction of Engineer in charge. i) For sliding windows b) 'U' shaped EPDM gasket for frames.	590.400	Mtr	15.00	8856.00
35	Page - 107 item- 20	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing.				
		Flash butt welded windows and ventilators. (No shop priming will be allowed to facilitate inspection of workmanship)				
		Without integrated grills				
		(b) Openable steel windows as per IS sizes with side hung shutters and horizontal glazing bars with/without fixed type ventilators.[The extra rate admissible for the openable portion only] (3rd Corrigenda & Addenda on 04/06/2018)			2199.00 225.37 2251.78	4663.97 9012.83 9119.71
		(I) GROUND FLOOR	2.030	Sq.M	2229.39	4517.54
		(II) FIRST FLOOR	4.050	Sq.M	2251.78	9119.71
		(III) 2ND FLOOR	4.050	Sq.M	2278.16	9226.55
36	Page- 116, It-5	Supplying, Fitting & Fixing Factory made prelaminate P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. Screws through the frame by using P.V.C.	148.500	m	385.00	57172.50

Sl No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
37	Page-125, It-15	Supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture. M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be (ii) 25 mm thick			1943 1958 1921	30602.25 30822.25 31043.25
		Ground floor Toilet	15.750	sqm	1957.00	30822.75
		First Floor Toilet	15.750	sqm	1971.00	31043.25
		Second Floor Toilet	15.750	sqm	1965.00	31263.75
38	Page-243, It-9	Supplying bubble free float glass of approved make and brand conforming to IS:2835-1987. i) 6mm thick coloured / tinted / smoke glass.	83.300	sqm	661.00	55061.30
		xiv) 12mm thick coloured / tinted / toughened glass conforming to IS: 2553-1992 (Part-II)	11.250	Sq.M	4418.00	49702.50
39	Page-200, It-1	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surface by sand papering etc.	129.075	Sq.m	29.00	3743.18
		(b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	118.230	Sqm	38.00	4492.74
40	Page-200, It-2	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary: (a) On timber or plastered surface: with super gloss (hi gloss)-(iii) Two COats (with any shade except white)	118.230	Sqm	81.00	9576.63
40	Page-200, It-2	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary: With other than hi-gloss of approved quality- (iv) Two Coats (with any shade except white) (b) Steel on other metal surface	129.075	Sqm	79.00	10196.93
41	Page-196, It-8	Applying exterior grade Acrylic primer of approved quality and brand on 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 thoroughly, complete as per manufacturer's specification and as per direction of the EIC.				
		at one coat				
		(I) GROUND FLOOR	172.695	sqm	31.40	5422.62
		(II) FIRST FLOOR	175.830	sqm	32.11	5645.90
		(III) 2ND FLOOR	175.830	sqm	32.82	5770.74
	(IV) THIRD FLOOR	396.846	sqm	33.53	13306.25	

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
42	Page-197, It-17	Protective and decorative Acrylic exterior emulsion paint of approved quality. As per manufacturer's specification and as per direction of EIC 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. (Two Coat) (A) Normal Acrylic Emulsion.				
		(I) GROUND FLOOR	172.695	sqm	67.00	11570.57
		(II) FIRST FLOOR	175.830	sqm	67.71	11905.45
		(III) 2ND FLOOR	175.830	sqm	68.42	12030.29
		(IV) THIRD FLOOR	396.846	sqm	69.13	27433.96
43	Page-198, It-5	WATER PROOF wall putty of approved make & brand.(1.5 mm thick)				
		(I) GROUND FLOOR	1103.487	sqm	122.00	134625.41
		(II) FIRST FLOOR	1003.827	sqm	122.72	123189.65
		(III) 2ND FLOOR	1003.827	sqm	123.44	123912.40
		(IV) THIRD FLOOR	175.045	sqm	124.16	21733.59
44	Page-195, It-7	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 thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (a) One Coat i) Water based interior grade Acrylic Primer				
		(I) GROUND FLOOR	1103.487	Sq.M	30.80	33987.40
		(II) FIRST FLOOR	1003.827	Sq.M	30.80	30917.87
		(III) 2ND FLOOR	1003.827	Sq.M	30.80	30917.87
		(IV) THIRD FLOOR	175.045	Sq.M	30.80	5391.39
45	Page-201, It-4	Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in Intermediate coats including putty (to be done under specific instruction of Superintending Engineer) : i) Standard Quality (Two coats)				
		(I) GROUND FLOOR	1103.487	sqm	62.00	68416.19
		(II) FIRST FLOOR	1003.827	sqm	62.00	62237.27
		(III) 2ND FLOOR	1003.827	sqm	62.00	62237.27
		(IV) THIRD FLOOR	175.045	sqm	62.00	10852.79
46	Page-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 Stainless 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) (3rd Corrigenda & Addenda on 04/06/2018)	69.500	Mtr	9077.00	630851.50
47	Page-63, It-34	Supplying, fitting & fixing granite slab 15mm to 18mm thick in floor, lobby, stair, landing and treads etc. over 20mm (avg) thick base of cement mortar (1:2) laid with white cement slurry @ 4.40Kg per Square meter before placing of granite and jointed with white cement slurry @ 2.0 Kg per square meter with necessary pigments and complete as per direction of Engineer-in-charge including cost of all materials, labours, curing and roughening of concrete surface complete. (3rd Corrigenda & Addenda on 04/06/2018)				

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
		(b) Area of each Granite slab 0.6 to 1.0 Square meter.				
		(I) GROUND FLOOR	14.750	Sq.M	2774.00	40916.50
		(II) FIRST FLOOR	5.000	sq.M	2786.00	13930.00
		(III) 2ND FLOOR	5.000	sq.M	2798.00	13990.00
48	Page-54, It-17	18 mm. to 22 mm. thick, Kota stone slab set in 20 mm thick (avg) cement mortar (1:4) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slurry for bedding @ 4.4 kg/Sq.m and pointing @ 2.0 kg/Sq.m]				
		(I) GROUND FLOOR	42.280	Sq.M	1024.00	43294.72
		(II) FIRST FLOOR	42.280	Sq.M	1036.00	43802.08
		(III) 2ND FLOOR	42.280	Sq.M	1048.00	44309.44
49	Page-54, It-18	Extra cost of labour for grinding Kota Stone Floor in treads and riser of Steps	126.840	Sq.M	209.00 224	26509.56 28412.16
50	Page-41, It-33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes (3rd Corrigenda & Addenda on 04/06/2018)	10.560	Cu.M	5269.39	55644.76
51	Page-45, It-08	a) Applying 2 coats of bonding agent with synthetic multi functional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent : 4 water : 6 cement) as per Manufacturer's specification [Cement to be supplied by the Department]	264.000	Sq.M	88.00	23232.00
52	Page-45, It-09	Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	13.380	Kg	119.00	1592.22
53	Page-99, It-01	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816-1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental charges such as electricity charges, labour insurance charges etc. i) For structural members of specified sections weighing less than 22.5 Kg./m (Considering ISA 35 x 35 x 5 @ 2.6 kg/m.) (3rd Corrigenda & Addenda on 04/06/2018)	1.000	MT	72603.00	72603.00
54	Page-84, It-19	Supplying, fitting and fixing glass reinforced polyester translucent fiber glass sheet to match with GCI Corrugation as per IS: 12866 - 1989 in roof fitted and fixed with 10 mm dia "J" or "L" hook, bolts and nuts, limpet and bitumen washers and putty with 150mm end lap and one corrugation minimum side lap complete b) 2.0mm +/- 0.2 mm thick sheet.(3.25Kg/Sq.m) iii) Coloured other than natural white or tinted blue	15.750	Sq.M	768.00	12096.00
55	Page-47, It-1	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 manufacturer's specification followed by two coat of polymer based paint, (1st coat after 4 to 5 days of concrete laying and 2 nd 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). (3rd Corrigenda & Addenda on 04/06/2018)	39.000	Sq.M	184.16	7182.24

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
56	Page-74, It-46	Supplying and laying chequered tiles of any shade & of approved quality with (1:1½:3) cement concrete laid in panels or patterns as directed in pavetar (1:3) complete in all respect with all labour and materials. [Using cement slurry @ 4.4 kg/Sq.m at back side and @2.4 kg / Sq.m for joint filling] (ii) 30 mm. thick (3rd Corrigenda & Addenda on 04/06/2018)	94.920	Sq.M	510.00 502.00	48409.20 47649.84
57	Page-260, It-5	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20%, one partfilling with earth if necessary watering and finally fine dressing, levelling etc., including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50m lift upto 1.5m complete. This includes supply of labour, tools & plants including materials. Planting hedge plants in two rows at 30cm apart	66.000	Sq.M	35.30	2329.80
58	Page-260, It-6	Maintenance of hedge for one year including application of necessary pesticide, farm yard manure, replacement of damaged hedge plant by new one complete in all respect as per instruction of Engineer-in-charge. This includes supply of labour, tools & plants including materials. (For Five Year maintainance)	5 Years X 66	Sq.M	117.70	38841.00
59	Page-260, It-7	Planting of trees (Avenue plants) in 0.60m dia holea, 1m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure. This includes supply of labour, tools & plants including materials but excluding cost of tree.	30.000	Nos	117.00	3510.00
60	Page-260, It-8	Maintanance of trees for one year (Avenue Plants) including watering, trimming, manuring, spraying insecticide and guarding as required. This includes supply of labour, tools & plants including materials. (For five Year maintainance)	5 Years X 30	Nos.	477.00	71550.00
61	Page-105, It-16	M.S. gate of Jail type as per approved design made of strong M.S.frame work, intermediate stiffeners and round / square bars orangles. M.S. sheet (not less than 14 gauge) gussets, cleats etc. including necessary riveting, bolting, welding, locking and hanging arrangements, fitting and fixing complete as per direction of the Engineer-in -charge	2.500	Qntl.	10090.00	25225.00
62	Page-74, It-48	Supplying & laying as per IRC-SP:063-2004 paver unit of any shade of approved quality as per relevant IS code, laid in pattern as directed in pavement, footpath, driveway (paver block only), etc including necessary underlay complete in all respect with all labour and material. [Border concrete if necessary to be paid separately]. Note: Sub-grade CBR should not be less than 5.				
		(b) 50 mm thick interlocking designer concrete paver block M-30 grade for non traffic zone,buiding premises,garden,parks,domestic drive as per IS: 15658-2006(over 20-30 mm medium sand bed on 200mm thk bound gnauar /granular base course including cost of sand for sand bed but excluding cost of base course & subgrade preparation.) (ii) Coloured Decorative (12th Corrigenda & Addenda on 14/10/2020)	37.500	Sqm	875.00	32812.50
63	Page-67, It-38	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 isinclusive of all operation, material and required pattern approved by Engineer-in-Charge.				
		(ii) Mural aligned/ CAD Design Type				
		(i) 1st floor	12.000	Sq.M	3764.00	45158.00
		(ii) 2ND floor	12.000	Sq.M	3914.00	46968.00
		(iii)3rd Floor	8.400	Sq.M	4064.00	34137.60

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
64	Ud & MA P-14. I-4	Supply and Fixing of 2 mm Polyvinyl glow sign board made of 22 SWG GI sheet box with 1"X1" aluminum channel for sq.ft. 495.00 fixing the vinyl board after necessary cutting the letter asrequired & s\ LED tube light fittings along with all accessories	72.000	Sq.ft	495.00	35640.00
65	Page-105. It-15	Supplying 1.5mm thick M.S. sheet fitted and fixed on one or both faces of M.S./ W.I. gate etc. with point welding at not more than 150mm apart complete in all respect as per design including cost of all labour and materials. (3rd Corrigenda & Addenda on 04/06/2018)	4.620	Sq.M	1304.00	6024.48
66	Page-192. It-1	Labour for Chipping of concrete surface before taking up Plastering work.	905.416	Sq.M	21.00	19013.74
Total Civil work including Land Development					Rs.	36140137.23

GST 18% = Rs. 16202460.65
Rs. 2916442.92

CESS 1% = Rs. 19118903.57
Rs. 191189.03

SAY = Rs. 19310092.61
= Rs. 19310093.00

Antarabha
22/07/22
Junior Engineer (Civil)
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Dept. of U.D. & M.A.
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Wdu
22/07/22
Assistant Engineer (Civil)
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Sh. 22/07/22
Executive Engineer
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Municipal Engineering Directorate
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04/08/2022
Assistant Engineer
East Circle M.E. Dto.
Deptt. of UD & MA.
Govt. of West Bengal

Qdu
4/8/22
Junior Engineer
East Circle M.E. Dto.
Deptt. of UD & MA.
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Liku
04/8/22
Superintending Engineer
East Circle M.E. Dto.
Deptt. of UD & MA.
Govt. of West Bengal

Annexure : 1A(b) Estimate of Sanitary & Plumbing

Sl no	Ref:	Description of items	Quantity	Unit	Rate (Rs)	Amount (Rs.)	
1	Page-212, It-21	Supplying, fitting & fixing UPVC pipes A Type and fittings conforming to IS 13592 - 1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete.					
		A) UPVC Pipes ii) 110mm Dia	80.000	Metre	251.00	20080.00	
		B) UPVC Fittings a) Plain Tee ii) 110mm dia	12.000	No	172.00	2064.00	
		c) Bend 87.50 Degree ii) 110mm dia	12.000	No	140.00	1680.00	
		d) Shoe ii) 110mm Dia	12.000	No	111.00	1332.00	
2	P.W.D. S & P (P-29 It. No-1	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, long screw, 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 materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials.					
		(i) CPVC Pipes Class-1, SDR-11					
		a) For Exposed Work	25 mm Dia	205.00	mtr.	208.00	42640.00
			32 mm Dia	50.00	mtr.	283.00	14150.00
			40 mm Dia	35.00	mtr.	403.00	14105.00
	(b) For Concealed Work	15 mm Dia	90.00	mtr.	140.00	12600.00	
3	P.W.D. S & P (P-4 It. No-4)	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg/sq.cm.).					
		20 mm Dia	12	Each	657.00	7884.00	
		32 mm dia	4	Each	1258.00	5032.00	
		40 mm Dia	6	Each	1646.00	9876.00	
4	P.W.D. S & P (P-6 It. No-7)	Supplying, fitting and fixing bib cock or stop cock.					
		a(i)	Chromium plated Bib Cock short with wall flange with aerator (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand)	50	Each	539.00	26950.00
		B(i)	Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar brand).	40	Each	493.00	19720.00
		D(i)	Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	10	Each	815.00	8150.00

Sl no	Ref:	Description of items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
5	P.W.D. S & P (P-79 It. No-3)	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc.				
		b) With 'S' trap (with vent)	20	Each	3287.00	65740.00
6	P.W.D. S & P (P-81 It. No-10)	Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws supplied, fitted and fixed complete.				
		(b) Anglo Indian (ii) Plastic (hallow type) white	20	Each	485.00	9700.00
7	P.W.D. S & P (P-79 It. No-4)	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).				
		(i) 580 mm X 440 mm	4	Each	1613.00	6452.00
8	P.W.D. S & P (P-81 It. No-11)	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete.				
		i) Polythene Flush Pipe	24	Each	155.00	3720.00
9	S & P (P-43 It. No-9)	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.				
		(iv) 600 mm long	45	Each	107.00	4815.00
10	P.W.D. S & P (P-41 It. No-1)	Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.				
		(ii) 550 mm X 400 mm size	20	Each	1383.00	27660.00
11	P-41 It. No-3)	Supplying, fitting and fixing pedestal of approved make for wash basin (white)	20	Each	1497.00	29940.00
12	P.W.D. S & P (P-42 It. No-6)	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets.				
		(ii) 630 mm X 550 mm X 180 mm	2	Each	3788.00	7576.00
13	P.W.D. S & P (P-43 It. No-10)	Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps.				
		(iii) 900 mm long	20	Each	75.00	1500.00
14	P-45 It. No-19)	Supplying, fitting and fixing pillar cock of approved make.				
		a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	20	Each	555.00	11100.00
15	P-82 It. No-19)	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I, specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	20	Each	613.00	12260.00

Sl no	Ref:	Description of items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
16	S& P P-82 It. No- 19)	Supplying, fitting and fixing towel rail with two brackets.				
		(a) C.P. over brass				
		(iii) 25 mm dia. and 600 mm long	20	Each	430.00	8600.00
17	P-82 It. No- 18)	Supplying, fitting and fixing soap holder.				
		(b) Fibre glass	20	Each	58.00	1160.00
18	S& P P-3 It. No- 3)	Supplying, fitting and fixing shower of approved brand and make.				
		(a) (ii) Chromium plated round shower with revolving joint (Equivalent to Code No. 541(N) & Model - Tropical / Sumthing Special of ESSCO or similar).	14	Each	452.00	6328.00
		iii) Chromium plated shower arm 240 mm long (Equivalent to Code No. 536(A) & Model - Tropical / Sumthing Special of ESSCO or similar	14	Each	309.00	4326.00
19	S& P P-37 It. No- 6)	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) – Multilayer				
		(e) 2500 litre capacity	2	Each	13027.00	26054.00
20	S& P P-37 It. No- 10)	Labour for hoisting plastic water storage tank.				
		((ii) Above 1500 litre upto 5000 litre capacity.				
		(a) Upto 1st story from G.L.	2	Each	154.00	308.00
		b) Extra for each additional story	6	Each	72.00	432.00
21	P-38, It- 13	Labour for punching hole in plastic water storage tank upto 50 mm dia.	6	Each	19.00	114.00
22	S& P P-80 It. No- 6)	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 75 mm X 75 mm X 75 mm wooden blocks complete.				
		(ii) 470 mm X 280 mm X 340 mm	9	Each	945.00	8505.00
23	S& P P-81 It.-14)	Supplying, fitting and fixing porcelain partition wall of approved make of size 618 mm X 310 mm complete in all respect.	6	Each	1132.00	6792.00
24	P-81 It.-12)	Supplying, fitting and fixing urinal flush pipe fittings of approved brand.				
		(a) C.P. urinal flush pipe fittings range of one	9	Each	414.00	3726.00
25	S& P P-37 It. No- 10)	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	6	Each	881.00	5286.00

Sl no	Ref:	Description of items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
26	S& P P-87 It. No- 1) (7th corrigenda)	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 makesupplied, 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. <i>(S&P/SPV/SHAM/---SS)</i>				<i>7248</i> 43488.00
		i) With Pakur variety. (SAIL/TATA/RINL)	6	Each	7253.00	43518.00
27	S& P P-88 It. No- 3) (7th corrigenda)	Construction of septic tank of different capacities as per approved				
		(iv) For 50 users				<i>90305</i>
		A) With Pakur variety. (SAIL/TATA/RINL) <i>other manufacturer</i>	1	Each	90786.00	90786.00
28	S& P P-89 It. No- 4) (7th corrigenda)	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having ISO mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement concrete.....				<i>90305</i> 90305.00
		(SAIL/TATA/RINL) <i>(other manufacturer)</i>	1	Each	16627.00	16627.00
29	P-97 It.-9)	Cutting hole through wall,roof or cornice and mending good all damages.	30	Each	68.00	2040.00
30	S& P P-68 It. No- 23)	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992				
		(A) (i) Single Socketed 3 Meter Length				
		(a) 75 mm	25	Mtr	196.00	4900.00
	(b) 110 mm	60	Mtr	292.00	17520.00	

Sl no	Ref:	Description of items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
31	S& P P-70 It. No- 23)	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992				
		(B) Fittings				
		(i) Coupler				
		(a) 75 mm	6	Each	46.00	276.00
		(b) 110 mm	8	Each	85.00	680.00
		(ii) Plain Tee				
		(a) 75 mm	10	Each	46.00	460.00
		(b) 110 mm	12	Each	85.00	1020.00
		(iii) Door Tee				
		(b) 110 mm	8	Each	195.00	1560.00
		vi) Door Y (LH) & (RH)				
		(b) 110 mm	5	Each	276.00	1380.00
		x) Bend 87.5°				
		(a) 75 mm	8	Each	61.00	488.00
		(b) 110 mm	12	Each	120.00	1440.00
		xi) Door Bend (T.S.)				
		110 mm	3	Each	147.00	441.00
		xiv) Cross Tee with Door				
		(a) 75 mm	5	Each	216.00	1080.00
		(b) 110 mm	6	Each	239.00	1434.00
		xv) Vent Cowl				
		110 mm	10	Each	33.00	330.00
		xvi) Pipe Clip				
		(a) 75 mm	30	Each	16.00	480.00
		(b) 110 mm	50	Each	21.00	1050.00
		xviii) W.C. Connector (450 mm long) W / lipring				
		75 mm	15	Each	277.00	4155.00
		xxiii) 110/110 S Trap				
		75 mm	20	Each	434.00	8680.00
		xxvi) Reducer 110 X 75 mm				
75 mm	5	Each	80.00	400.00		
xxvii) Reducing Tee (110 X 75 mm)						
75 mm	6	Each	142.00	852.00		
xliv) Door Gasket						
110 mm	15	Each	8.00	120.00		
32	S& P P-74 It. No- 24)	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor)...				
		(A) Above ground				
		(i) 75 mm dia.	25	Mtr.	45.00	1125.00
		(ii) 110 mm dia.	60	Mtr.	57.00	3420.00

Sl no	Ref:	Description of items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
33	S& P P-66 lt. No- 16	Supplying, fitting and fixing with cement jointing (3:1) salt glazed stoneware pipe including excavation of earth upto 1.50 metre depth in all sorts of soil both mixed or unmixed and refilling (but excluding concreting at bottom and sides).				
		(iv) 100 mm	15	Mtr.	294.00	4410.00
34	P-67, lt- 18	Supplying, fitting and fixing C.I. round grating.				
		150 mm dia	20	Each	85.00	1700.00
35		Supplying, fitting, fixing installation and testing 2 H.P centrifugal pump of approved brand and make as per instruction of E.I.C (Test certificate should be submitted at the time of delivery) (Rate reference from GEM)	1	L/S	12500.00	12500.00
36	S& P P-36 lt. No- 02	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.	24	Each	1015.00	24360.00
Total Cost For Sanitary & Plumbing				=	Rs.	687589.00

	Rs. 687052.00
GST 18%	= 123669.36
	Rs. 810721.36
CESS 1%	= 8107.21
	Rs. 818828.57
SAY	Rs. 818829.00

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Annexure : 1A(c) Estimate of Boundary Wall

Sl. No.		Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
1	Page -1, It-2	Earth work 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 75 m. as directed. The item includes necessary trimming the sides of trenches, leveling, dressing and ramming the bottom bailing out water as required complete.				
		a).Depth of excavation not exceeding 1500 mm.	30.492	Cu.M	119.27	3636.78
2	Page -2, It-4	(A) Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (3rd Corrigenda & Addenda on 04/06/2018)	2.750	Cu.M	599.61	1648.93
3	Page -1, It-3	Earth work in filling in foundation trenches with good earth in layers not exceeding 150 mm including watering, ramming etc. layer by layer all complete(payment to be made on the basis of measurement of finished quantity)				
		a) With earth obtained from excavation of foundation.	13.720	Cu.M	77.54	1063.85
4	Page -34, It-22	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] (3rd Corrigenda & Addenda on 04/06/2018)	1.906	Cu.M	5248.44	10003.53
5	Page -26, It-10	Ordinary Cement concrete M20 (mix 3:1.5:1) with graded stone chips (20 mm down) excluding shuttering and reinforcement if any as per IS 456-2000. (A)Pakur variety a) in Ground floor. (3rd Corrigenda & Addenda on 04/06/2018)	20.182	Cu.M	6103.75	123185.88
6	Page -43, It-40	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, 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 swg black annealed wair at every intersection , complete as per drawing and direction. a) For works in foundation, basement and upto roof of ground floor/upto 4 mtr. III. OTHER MANUFACTURER NOT SPECIFIED (10th Corrigenda & Addenda on 22/01/2020)	1.901	MT	53616.20	101924.40
7	Page -42, It-36	Hire and labour charges for shuttering with centering and necessary staging up to 4 m. using approved stout props ballah/steel post and steel plate/ply board of approved thickness with required bracing for concrete slab, beams , columns , lintels curved or straight including fitting, fixing and striking out after completion of work.(Up toroof of ground floor)				
		a)25mm to 30mm shuttering without staging in foundation etc	52.610	Sq.M	209.00	10995.49
		b) 25mm to 30mm thick wooden shuttering as per decision & direction of the EIC	113.100	Sq.M	335.00	37888.50
8	Page -16, It-16	125 mm thick brick work with 1st class bricks in cement mortar (4:1) in ground floor. (3rd Corrigenda & Addenda on 04/06/2018)	90.000	Sq.M	728.56	65570.40

Sl. No.		Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
9	Page -189, It-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) (i) With 1:6 cement mortar (c) 15 mm thick plaster (3rd Corrigenda & Addenda on 04/06/2018)	231.680	Sq.M	148.71	34453.13
10	Page -219, It-2	a) Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary.	153.000	Mtr	27.68	4235.04
11	Page -220, It-4	Supplying galvanised straining bolts (with eye at one end with double nuts and washers) fitted and fixed complete. (ii) 12 mm. dia. (b) 250 mm.	63.000	Nos	74.00	4662.00
12	Page -221, It-5	Supplying galvanised staples fitted and fixed complete. (b) 32.5 mm. to 37.5 mm. size	126.000	Nos	2.81	354.06
13	Page -99, It-1	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cund plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. i) For structural members of specified sections weighing less than 22.5 Kg./m	0.300	MT	72603.00	21780.90
14	Page-200, It 1	(b) Priming one coat on steel or other metal surface with synthetic oilbound primer of approved quality including smoothening surfaces by sand papering etc.	15.300	Sq.M	29.00	443.70
15	Page-200, It-2	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : B) On steel or other metal surface super gloss-(hi- gloss) coats (With any; shade except white) With Two	15.300	0.000	79.00	1208.70
16	Page-196, It-8	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exter emulsion paint including scrping lte as per manufacturer's specification and as per direction of the EIC (one Coat)	231.680	Sq.M	31.40	7274.75
17	Page-197, It-17	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC to be applied over acrylic primer required. The rate includes cost of material, labour, cementing and all incidental charges but excluding the cost of primer. a) Normal Acrylic Emulsion (Two Coat)	231.680	Sq.M	67.00	15516.56
18	Page -47, It-1	Supplying and laying Polythene Sheet (150gm / sq.m.) over concrete course or below flooring or roof terracing or in foundation or in foundation trenches	36.660	Sq.M	24.00	879.84
Total Cost For Boundary Wall					=	Rs. 446732.44

GST 18% = Rs. 80411.84

Rs. 527144.28

CESS 1% = Ra. 5271.44

SAY = Rs. 532416.00

532415.72

21/07/2018
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Annexure :1A(d) Estimate of Internal Drain & Approach Road

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
1	Page -1, It-2	Earth work In excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of				
		(a) Depth of excavation not exceeding 1,500 mm.	28.125	Cu.M	119.27	3354.47
2	Page-34, It-22	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] (a) 1:3:6 proportion (3rd Corrigenda & Addenda on 04/06/2018)	18.188	Cu.M	5248.44	95458.63
3	Page-16, It-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor. (3rd Corrigenda & Addenda on 04/06/2018)	75.000	Cu.M	728.56	54642.00
4	Page-189, It-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).[Excluding cost of chipping over concrete surface. A.Outer Side in Ground Floor : (i) With 1:6 cement mortar (c) 15 mm thick plaster (3rd Corrigenda & Addenda on 04/06/2018)	137.500	Sq.M	148.71	20447.63
5		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 relevant IS codes. (I) Pakur Variety (3rd Corrigenda & Addenda on 04/06/2018)	4.688	Cu.M	6103.75	28614.38
6	Page-43, It-40	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. III. OTHER MANUFACTURER NOT SPECIFIED (10th Corrigenda & Addenda on 22/01/2020)	0.368	MT	53616.20	19730.76
7	Page-74, It-48	Supplying & laying as per IRC-SP:063-2004 paver unit of any shade of approved quality as per relevant IS code, laid in pattern as directed in pavement, footpath, driveway (paver block only), etc				
		(b) 50 mm thick interlocking designer concrete paver block M-30 grade for non traffic zone, building (ii) Coloured Decorative (12th Corrigenda & Addenda on 14/10/2020)	180.000	Sq.M	875.00	157500.00
8	Page-192, It-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.	137.500	Sq.M	32.85	4516.88
9	Page-42, It-36	Hire and labour charges for shuttering with centering and necessary staging up to 4 m. using approved stout props bailah/steel post and steel plate/ply board of approved thickness with required bracing for concrete slab, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of work.(Up toroof of ground floor)				
		b) 25mm to 30mm thick wooden shuttering as per decision & direction of the EIC	162.500	Sq.M	335.00	54437.50

Sl. No.	Ref.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount	
10	Page-228, II-7	Providing and fixing at or near ground level precast cement concrete in kerbs (size: 410 mm x 310 mm x width 150 mm at bottom with circular nosing at top) (Nano kerb) of cement concreat M25 Grade without reinforcement, fixing as per approved pattern and setting in position at site after preparing the bed grade and slopes by laying Cement concrete with Jhama khoa (1:4:8) as per specification and direction of Engineer-in- Charge including filling of joints with 10 mm thick cement mortar (3:1) and back filling the vertical piece properly with earth duly compacted and curing the mortar joints for atleast 3 days including cost and carriage of all materials complete.	90.000	Mtr	955.00	85950.00	
11	Page-47, II-3	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches	180.000	Sq.M	24.00	4320.00	
Total Cost For Drain & Approach Road					=	Rs.	528972.25

GST 18% = Rs. 95215.01

Rs. 624187.26

CESS 1% Rs. 6241.87

Rs. 630429.13

SAY Rs. 630429.00

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Annexure : 1A(e) Estimate of Semi Underground Water Reservoir

Sl. No.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
1. Page - 1, It- 2.	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.	15.921	Cu.M	119.270	1898.900
2. Page - 14, It- 1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand. (3rd Corrigenda & Addenda on 04/06/2018)	10.440	Sq.M	361.000	3768.840
3. Page - 34, It- 22	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] (a) 1:3:6 proportion (3rd Corrigenda & Addenda on 04/06/2018)	0.783	Cu.M	5248.440	4109.530
4. Page - 16, It- 16	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth (3rd Corrigenda & Addenda on 04/06/2018)	6.120	Cu.M	728.560	4458.790
5. Page - 189, It- 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). (Excluding cost of chipping over concrete surface. (3rd Corrigenda & Addenda on 04/06/2018) A. Outer Side in Ground Floor : (i) With 1:6 cement mortar plaster (c) 15 mm thick	66.250	Sq.M	148.718	6431.710
6. Page - 26, It- 10	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 relevant IS codes. (i) Pakur Variety (3rd Corrigenda & Addenda on 04/06/2018)	1.044	Cu.M	6103.750	6372.320
7. Page - 43, It- 40	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. III. Other Manufacturer Not Specified (10th Corrigenda & Addenda on 22/01/2020)	0.082	MT	53616.200	4396.530
8 Page - 192, It- 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. (surrounding plinth)	43.250	Sq.M	32.85	1420.760

Sl. No.	Sub-Heads of Estimate & Item of Works	Quantity	Unit	Rate	Amount
9	Hire and labour charges for shuttering with centering and necessary staging up to 4 m. using approved stout props ballah/steel post and steel plate/ply board of approved thickness with required bracing for concrete slab, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of work. (Up to roof of ground floor). a) 25mm to 30mm shuttering without staging in foundation etc	11.660	Sq.M	209.000	2436.940
10 Page- 228, R-7	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes (3rd Corrigenda & Addenda on 04/06/2018)	1.330	Cu.M	5269.390	7008.290
11 Page- 45, R- 09	Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	1.690	Kg	119.00	201.110
	Total Cost =				42503.72

GST 18% = 7650.67

Rs. 50154.39

CESS 1% 501.54

Rs. 50655.93

SAY Rs. 50656.00

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