ULUBERIA MUNICIPALITY
ULUBERIA✦ HOWRAH

ESTIMATE FOR – CONSTRUCTION OF LATRINE AT FORT GLOSTER BAZAR, IN WARD NO.- 26 UNDER B. E. U. P.

The rates are based on P.W.D. Schedule of rates (Building Works) Volm- 1 w.e.f. 1st July, 2014.

Sl. No. [1]	Description of Items [2]	Quantity [3]	Unit [4]	Rates [5]	Amount [6]
1.	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 spils within a lead of 75M, as directed. The item includes necessary trimming the sides of trenches., leveling , dressing and ramming the bottom, bailing out water as required complete. Depth of excavation not exceeding 1500mm. **[Vide Page No. 1, Item N o. 2 a.]** [Wall – 27.8m x 0.25m x 0.75m] = 5.21M^3 [Varandah- 10.5m x 0.375m x 0.30m] = 1.18M^3 [Steps- 2.5m x 0.50m x 0.225m] = 0.28M^3	6.67	%CU.M	12047.00	803.53
2.	Earth work in filling in foundation trenches or plinth with good earth, in layer not exceeding 150mm. Including watering and ramming etc. layer by layer complete (Payment to be made on the basis of measurement of finished quantity of work). (b) With earth obtained from excavation of foundation. **[Vide Page No. 1, Item N o. 3 (a).]** [1/5 x 6.67M^3]	1.33 M^3	%M^3	7831.00	104.15
3.	Filling in foundation or plinth by silver sand in layers not exceeding 150mm. as directed and consolidating same by thorough saturation with water ramming complete. Including the cost of supply of sand. A) Do-by fine sand. **[Vide Page No. 2, Item N o. 4(A).]** [Room- 2 x 3.925m x 3.45m x 0.40m] = 10.83M^3 [Varandh- 1 x 8.10m x 0.95m x 0.40m] = 3.08M^3	13.91	%CU.M	74726.00	10394.39
4.	Single layer brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand. **[Vide Page No. 11, Item N o. 1]** [Foundation- 27.80m x 0.625m] = 17.37M^2 [Varandh- 10.50m x 0.375m] = 3.93M^2 [Room (Floor)- 2 x 3.925m x 3.45m] = 27.08M^2 [Varandh- 8.10m x 0.950m] = 7.70M^2 [Steps- 2.50m x 0.50m] = 1.25M^2	57.33	SQ.M	374.00	21441.42
5.	Cement concrete with graded jhama khoa (30mm) size ………….excluding shuttering. a) 1:3:6 Proportion. **[Vide Page No. 11, Item N o. 4(a)]** [Foundation- 27.80m x 0.625m] = 17.37M^2 [Varandh- 10.50m x 0.375m] = 3.93M^2 [Room (Floor)- 2 x 3.925m x 3.45m] = 27.08M^2 [Varandh- 8.10m x 0.950m] = 7.70M^2 [Steps- 2.50m x 0.50m] = 1.25M^2 =57.33M^2 x 0.01M	5.733	CU.M	5661.00	32454.51

No.	Description	Quantity	Unit	Rate	Amount
6.	Brick work with 1st class bricks in cement mortar (6 : 1) A) In foundation and plinth. **[Vide Page No. 29, Item N o. 22(a)]** [1 x 27.80m x$\frac{(0.500m + 0.250)}{2}$x 0.60m] = 4.69M^3 [1 x 27.80m x 0.25m x 0.60m] = 3.12M^3 [Varandh- 10.50m x 0.25m x 0.60m] = 1.57M^3 [Steps- 2.50m x 0.50m x 0.15m] = 0.18M^3 [Steps- 2.50m x 0.25m x 0.15m] = 0.09M^3	9.65	CU.M	5620.00	54233.00
	B) In Superstructure. **[Vide Page No. 29, Item N o. 22(b)]** [27.80m x 0.25m x 2.225m] = 15.46M^3 [Less (D)- 2 x 0.75m x 0.25m x 1.95m] (-) = 0.73M^3 [Less- 1 x 8 x 0.45m x 0. 25m x 0.30m] (-) = 0.27M^3	14.46	CU.M	5845.00	84518.70
7.	Ordinary cement concrete grade M20 mix with well graded stone chips (20mm. grade) excluding shuttering and reinforcement, with complete design of concrete as per IS:-456 A) Pakur / Chandi Varity **[Vide Page No. 14, Item Sl. N o. 7(i)]** ["T" Beam – 11.50m x 0.25m x 0.25] = 0.71M^3 [Lintel - 27.80m x 0.150m x 0.25m] = 1.04M^3 [Lintel - 10.50m x 0.150m x 0.125m] = 0.19M^3 [Sunshead- 1 x 8 x 0.60m x 0.0.45m x 0.075m] = 0.16M^3 [Roof Beam- 2 x 3.95m x 0.25m x 0.20m] = 0.40M^3 [Slab- 5.15m x 8.60m x 0.125m] = 5.53M^3	8.03	CU.M	6862.70	55107.48
8	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 correct position. **[Vide Page No. 27, Item Sl. N o. 15(a)]** ["T" Beam – 11.50m x 0.25m x 0.25] = 0.71M^3 [Lintel - 27.80m x 0.150m x 0.25m] = 1.04M^3 [Lintel - 10.50m x 0.150m x 0.125m] = 0.19M^3 [Sunshead- 1 x 8 x 0.60m x 0.0.45m x 0.075m] = 0.16M^3 [Roof Beam- 2 x 3.95m x 0.25m x 0.20m] = 0.40M^3 [Slab- 5.15m x 8.60m x 0.125m] = 5.53M^3 = 8.03M^3 x 1.1%	0.69	M.T	68359.00	47167.71
9.	Hire and labor charges for shuttering with centering and necessary staging upto 4m usuing approved stout propes and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintel etc. **[Vide Page No. 26, Item Sl. N o. 12(a)]** ["T" Beam – 11.50m x 0.75m] = 8.63M^2 [Lintel (250mm th.)- 2 x 27.80m x 0.15m] = 8.34M^2 [Lintel (125mm th.)- 1 x 2 x 10.50m x 0.150m] = 3.07M^2 [Sunshead- 1 x 8 x 0.60m x 0.70m] = 3.36M^2 [Roof Beam- 2 x 3.95m x 0.65m] = 5.13M^2 [Slab- 2 x 3.925m x 3.45m] = 27.08M^2 [Varandh- 1 x 8.60m x 1.20m] = 10.32M^2 [Side- 27.50m x 0.125m] = 3.43 M^2	69.36	SQ.M	359.00	24900.24
10.	125mm. thick brick work with 1st class bricks in cement mortar (4 : 1) in ground floor. **[Vide Page No. 31, Item Sl. N o. 29]** [Wall- 7.85m x 2.225m] = 17.46M^2 [2 x 1.20m x 2.225m] = 5.34M^2 [2 x 0.90m x 1.50m] = 2.70M^2 [Tank- 2 x 2.70m x 1.0m] = 5.40M^2 [Less (D)- 1 x 4 x 0.75m x 1.95m] (-) = 5.85M^2	25.05	SQ.M	772.00	19338.60
11.	Collapsible Gate with 40mm. x 40mm. x 6mm. tec as top …………...locking arrangements. **[Vide Page No.- 77, Item No.- 15]** [2 x 1.1m x 2.10m]	4.62M^2	/M^2	4016.00	18553.92

12.	Supplying fitting and fixing in position approved P.V.C. door frame (Matt finish) made of extruded P.V.C. Multichamber hollow section having dimensions 60mm x 50mm x 2mm ……………………………….. all other incidental charges complete. **[Vide Page No.- 139, Item No.- 154]** [2 x 2 x 4.65m] = 18.60M [2 x 4.80m] = 9.60M	28.20M	M	282.00	7952.40
13.	Supplying fitting and fixing 30mm. thick factory made solid panel PVC Door shutter ………………………….. side and joined together with solvent cement adhesive. **[Vide Page No.- 133, Item No.- 145]** [1 x 4 x 0.70m x 1.90m] = 5.32M^2 [1 x 2 x 0.85m x 1.90m] = 3.23M^2	8.55M^2	M^2	2277.00	19468.35
14.	Supplying fitting & fixing 1st quality ceramic tiles in wall, finishing the joints with white cement. Area of each tile upto .09sq.m. (i) Colored decorative. **[Vide Page No. 52, Item Sl. N o. 30(B)(a)(ii)]** [Toilet Wall- 1x 4 x 6.20m x 1.50m] = 37.20M^2 [- 1x 4 x 2.90m x 1.50m] = 17.40M^2	54.60	SQ.M	920.00	50232.00
15.	Supplying, fitting and fixing windows and ventilators with or without……………………………….. with existing surface complete in all respect excluding glazing. **[Vide Page No. 81, Item Sl. N o. 33(c)(iii)]** [Toilet Wall- 1x 8 x 0.45m x 0.30m]	1.08	SQ.M	359.00	387.72
16.	Artificial stone in floor, dado, staircase etc. with cement concrete (1:2:4) with stone chips …………………………….complete including all materials and labour. In ground floor. 3mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement. iii) 35mm. thick. **[Vide Page No. 40, Item Sl. N o. 3(iii)]** [Room- 2 x 3.925m x 3.45m] = 27.08M^2 [Verandah- 1x 8.60m x 1.20m] = 10.32M^2 [Steps- 1 x 2.50m x 0.50m] = 1.25M^2	38.65	SQ.M	357.00	13798.05
17.	Plaster (to wall, floor, ceiling etc.)with sand and cement mortar including rounding off or chamfering corners as directed and racking out joints or roughening of concrete surface, including throating nosing and drip course where necessary. (i) With 6:1 cement (a) 20mm. thick plaster **[Vide Page No. 151, Item Sl. N o. 2(i)(a)]** [25.10m x 3.30m] = 82.88M^2	43.24	SQ.M	174.00	7523.76
	[Vide Page No. 151, Item Sl. N o. 2(ii)(b)] (ii) With 4:1 cement (a) 15mm. thick plaster [2 x 6.20m x 2.40m] = 29.76M^2 [2 x 11.70m x 2.40m] = 56.16M^2 [2 x 2 x 2.7m x 1.20m] = 12.96M^2 [2 x 2 x 0.90m x 1.50m] = 5.40M^2	104.28	SQ.M	171.00	17831.88
	[Vide Page No. 151, Item Sl. N o. 2(ii)(c)] (iii) With 4:1 cement (a) 10mm. thick plaster [2 x 3.925m x 3.45m] = 27.08M^2 [2 x 8.60m x 1.20m] = 10.32M^2 [Sunshade- 1x 8 x 0.60m x 0.45m] = 2.16M^2	39.56	SQ.M	136.00	5380.16
18.	Neat cement punning about 1.5mm. thick in wall dado, window, sills, floor, drain etc. **[Vide Page No. 152, Item Sl. N o. 8]** [27.50m x 0.65m] = 17.88M^2 [2.7m x 1.2m x 2 x 2] = 12.96M^2	30.84	SQ.M	38.00	1171.92

19.	White washing including cleaning and smoothening surface thoroughly. Three coats (on new works only.) same as item no.-17 **[Vide Page No. 155, Item Sl. N o. 3(c)]**	187.08	%SQ.M	2081.00	3893.13
20.	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 (B) Fittings (ii) Plain Tee **[Vide Page No. 58, Item Sl. N o. 23(B)(ii)(b)]** [(b) 110 mm.] [(xi) Door Bend (T.S.)] [(b) 110 mm.]	6 6	Each Each	182.00 176.00	1092.00 1056.00
21.	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992 (A) Fittings (i) Single Socketed 3 meter length **[Vide Page No. 58, Item Sl. N o.23(A)(i)(b)]** [(b) 110mm.]	26	Meter	348.00	9048.00
22.	Supplying fitting and fixing Orisa 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. **[Vide Page No. 65, Item Sl. N o. 4(i)]** [(i) 580mm. x 440mm.]	4	Each	2026.00	8104.00
23.	Supplying, fitting and fixing squatting 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 separately) **[Vide Page No. 66, Item Sl. N o. 7(i)]** [(i) 450mm. x 350mm.]	2	Each	1103.00	2206.00
24.	Const. of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm. dia. R.C.C. manhole cover …………………………………………with all costs of labour and materials. (iv) For 50 users (A) With pakur variety. **[Vide Page No.73, Item Sl. N o. 3(iv)(A)]**	1	Each	97721.00	97721.00
25.	Const. 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 150mm. intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre top with 20 mm. thick cement plastering (1:4) …………………………….with all costs of labour and materials. With 250mm. thick dry brick work and 250mm. thick cement brick work (1:6) and 1.00m. **[Vide Page No.74, Item Sl. N o. 4]**	2	Each	17723.00	35446.00
26.	Constructing inspection pit of inside measurement 600mm x 600mm. x upto 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…………………with all costs of labour and materials. i) With Pakur variety. **[Vide Page No.71, Item Sl. N o. 1]**	1	Each	7749.00	7749.00
27.	Anodised aluminium barrel/tower/socket bolt (full covered) of approved manufactured from extruded section conforming to I.S.204/74 fitted and fixed with cadmium plated. (iii) 100mm x 10mm. dia. bolt. **[Vide Page No.99, Item Sl. N o. 61(iii)]**	10	Each	61.00	610.00
28.	(A) Wood work in posts, post plates, rafters, battens, truss members , purlins etcx. Fitted and fixed complete (excluding the cost of bolts, paints, but including the cost of nails, screws etc.) (The quantum should be corrected upto three decimals). (iii) Sal: Malayasian **[Vide Page No.86, Item Sl. N o. 3((A)(iii)]** 2 x [(2.1 x 2 + 1.0)x 0.1m x 0.075m]	0.078M^3	CU.M	95964.00	7485.19

29.	Z-batten shutters of door and window as per design havings tongued and groove-half lap jointed as per direction of the Engineer-in-Charge including fitting and fixing shutter in position, but excluding the cost of hinges and other fittings in ground floor. (A) Shutter with 25mm. thick planks, 19mm. thick battens. (iii) Sishu, Gamar, Champ, Badam, Bhola, Morga, Hallak. **[Vide Page No.112, Item Sl. N o. 94((A)(iii)]** [2 x 0.9m x 2.0m]	3.6M^2	M^2	3077.00	11077.20
30.	25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) with graded stone aggregate 10 mm nominal size……………………..polymer based paint as per item 59(a) of Section (C) **[Vide Page No.86, Item Sl. N o. 3((A)(iii)]** [27.8m x 0.25m]	6.9M^2	M^2	211.00	1455.90
31.	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (vii) 100mm. x 58mm. x 1.90mm **[Vide Page No.91, Item Sl. N o. 20(vii)]**	20	Each	52.00	1040.00
32.	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S.230/72) fitted and fixed. (a) With continuous plate base (hexagonal/round rod) (iv) 125mm. grip x 10mm. dia. rod. **[Vide Page No.100, Item Sl. N o. 65((a)(iv)]**	12	Each	108.00	1296.00
33.	i) Iron hasp bolt of approved quality fitted and fixed complete (oxidized) with 16mm. dia rod with centre bolt and round fitting. (b) 250mm long **[Vide Page No.93, Item Sl. N o. 27(i)(b)]**	2	Each	184.00	368.00
34.	Supply of UPVC pipes (B-type) & fittings conforming to IS.13592-1992 (B) Fittings (xv) Vent Cowl (b) 110mm. **[Vide Page No.59, Item Sl. N o. 23(B)(xv)(b)]**	2	Each	39.00	78.00
35.	Supply of UPVC pipes (B-type) & fittings conforming to IS.13592-1992 (B) Fittings (xxi) 110 x 110 P Trap. 75mm **[Vide Page No.60, Item Sl. N o. 23(B)(xxi)]**	6	Each	335.00	2010.00
			Total Rs.		**684499.00**
			Say Rs.		**684499.00**

Total Estimated Cost Gr. Floor Rs.(Rupees Six Lakh Eighty Six Thousand & Ninety Six) only.

Sub-Assistant Engineer, **Uluberia Municipality**	**Assistant Engineer,** **Uluberia Municipality**	**Executive Officer,** **Uluberia Municipality**