

SILIGURI MUNICIPAL CORPORATION

Estimate for:

**CONSTRUCTION OF TOILET BLOCK (CT/PT) MODEL NO - A ,
TOILET SEAT- 5 NOS AND URINAL- 5 NOS, SCHEDULE ITEMS .**

Construction of Public Toilet at Airview bus stand, back side of bus stand, Ward no. 6

Sl.- 15

Sl.No	Description of Item							Quantity	Rte	Unit	Amount
	Location	N	N	L	W/B	H/D	Total				
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 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.										
	Column	6.00	1.00	1.20	1.20	1.13	9.72				
	Tie Beam	3.00	1.00	4.05	0.25	0.43	1.29				
		2.00	1.00	2.08	0.25	1.13	1.17				
		2.00	1.00	2.28	0.25	0.43	0.48				
	Part beam	1.00	1.00	2.08	0.25	0.43	0.22				
		1.00	1.00	2.28	0.25	0.43	0.24				
		1.00	1.00	1.60	0.25	0.43	0.17				
	Stair	1.00	1.00	2.35	0.25	0.08	0.04				
2	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) (a) With earth obtained from excavation of foundation [PWD BUILDING WORKS, Page- 1, It. No- 3.a]										
	2/3 of It. No- 1		0.67	13.33			8.93				
8.93	8.93	7754.00	%Cum	692.43							
3	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)										
	Toilet, urinal	2.00	1.00	1.60	1.20	0.60	2.30				
		2.00	1.00	1.00	1.20	0.60	1.44				
		1.00	1.00	2.73	2.28	0.60	3.72				
		1.00	1.00	2.08	1.00	0.60	1.25				
		1.00	1.00	1.85	0.75	0.60	0.83				
4	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.										
	Column	6.00	1.00	1.20	1.20		8.64				
	Tie Beam	3.00	1.00	4.05	0.45		5.47				
		2.00	1.00	2.08	1.45		6.02				
		2.00	1.00	2.28	0.45		2.05				
	Part Beam	1.00	1.00	2.08	0.45		0.93				
		1.00	1.00	2.28	0.45		1.02				
		1.00	1.00	1.60	0.45		0.72				
	Stair	1.00	1.00	2.35	0.75		1.76				
							26.61	26.61	324.00	Sq.M.	8621.64

02
Sub Asst. Engineer
SILIGURI MUNICIPAL CORPORATION

Concrete with 30 mm down graded shingles excluding shuttering.

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

Column	6.00	1.00	1.20	1.20	0.10	0.86
Tie Beam	3.00	1.00	4.05	0.45	0.10	0.55
	2.00	1.00	2.08			
	2.00	1.00	2.28	0.45	0.10	0.2
Part Beam	1.00	1.00	2.08	0.25	0.10	0.05
	1.00	1.00	2.28	0.25	0.10	0.06
	1.00	1.00	1.60	0.25	0.10	0.04
Partation wall	3.00	1.00	4.05	0.25	0.60	1.82
	2.00	1.00	2.08	0.25	0.60	
	2.00	1.00	2.28	0.25	0.60	0.68
	1.00	1.00	2.08	0.25	0.60	0.31
	1.00	1.00	2.28	0.25	0.60	0.34
	1.00	1.00	1.60	0.25	0.60	0.24
Stair	1.00	1.00	2.35	0.75	0.15	0.26
	1.00	1.00	2.35	0.50	0.15	0.18
	1.00	1.00	2.35	0.25	0.15	0.09
Floor	1.00	1.00	5.10	4.55	0.10	2.32
						8.00

8.00 3393 Cu.M 27144

6 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

Footing	6.00	1.00	1.20	1.20	0.20	1.73
(1.20 + 0.40) / 2 = 0.80	6.00	1.00	0.80	0.80	0.20	0.77
	6.00	1.00	0.40	0.40	0.30	0.29
Tie Beam	3.00	1.00	4.55	0.25	0.25	0.85
Tie Beam	2.00	1.00	5.10	0.25	0.25	0.64
Part beam	1.00	1.00	2.08	0.25	0.25	0.13
Part beam	1.00	1.00	2.28	0.25	0.25	0.14
Part beam	1.00	1.00	1.60	0.25	0.25	0.1
Co[3.0+(0.6-0.25)]= 3.35	6.00	1.00	0.25	0.25	3.35	1.26
Lintel	3.00	1.00	4.05	0.25	0.20	0.61
	2.00	1.00	2.08	0.25	0.20	0.21
	2.00	1.00	2.28	0.25	0.25	0.28
	1.00	1.00	2.08	0.13	0.20	0.05
	1.00	1.00	2.28	0.13	0.20	0.06
	1.00	1.00	1.60	0.13	0.20	0.04
Chazza	4.00	1.00	0.50	0.45	0.10	0.09
Roof beam	3.00	1.00	4.55	0.25	0.13	0.43
	2.00	1.00	2.08	0.25	0.13	0.13
	2.00	1.00	2.28	0.25	0.13	0.14
Roof slab	1.00	1.00	5.10	4.55	0.13	2.90
						10.85

10.85 ₹ 4,745.00 Cu.M 51483.25

Prof

Sub Asst. Engineer
SILIGURI MUNICIPAL CORPORATION

	<p>up proof course with cement concrete with stone chips (1:1.5:3) [with 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). [Note: - Waterproofing as per item 9, polymer based paint as per item 8 (a) of subhead C of Section (C). [PWD BUILDING WORKS, Page- 47, It. No- 1]</p> <table border="1"> <tr> <td>Tie Beam</td> <td>3.00</td> <td>1.00</td> <td>4.55</td> <td>0.25</td> <td></td> <td>3.41</td> </tr> <tr> <td></td> <td>2.00</td> <td>1.00</td> <td>2.08</td> <td>0.25</td> <td></td> <td>1.04</td> </tr> <tr> <td></td> <td>2.00</td> <td>1.00</td> <td>2.28</td> <td>0.25</td> <td></td> <td>1.14</td> </tr> <tr> <td>Part beam</td> <td>1.00</td> <td>1.00</td> <td>2.08</td> <td>0.13</td> <td></td> <td>0.26</td> </tr> <tr> <td></td> <td>1.00</td> <td>1.00</td> <td>2.28</td> <td>0.13</td> <td></td> <td>0.28</td> </tr> <tr> <td></td> <td>1.00</td> <td>1.00</td> <td>1.60</td> <td>0.13</td> <td></td> <td>0.20</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6.33</td> </tr> </table>	Tie Beam	3.00	1.00	4.55	0.25		3.41		2.00	1.00	2.08	0.25		1.04		2.00	1.00	2.28	0.25		1.14	Part beam	1.00	1.00	2.08	0.13		0.26		1.00	1.00	2.28	0.13		0.28		1.00	1.00	1.60	0.13		0.20							6.33																															
Tie Beam	3.00	1.00	4.55	0.25		3.41																																																																											
	2.00	1.00	2.08	0.25		1.04																																																																											
	2.00	1.00	2.28	0.25		1.14																																																																											
Part beam	1.00	1.00	2.08	0.13		0.26																																																																											
	1.00	1.00	2.28	0.13		0.28																																																																											
	1.00	1.00	1.60	0.13		0.20																																																																											
						6.33																																																																											
							6.33	196.00	Sq.M.	1240.68																																																																							
8	<p>125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.</p> <table border="1"> <tr> <td>Partation wall [3.0-(.2+.125)= 2.675]</td> <td>2.00</td> <td>1.00</td> <td>1.60</td> <td></td> <td>2.68</td> <td>8.56</td> </tr> <tr> <td></td> <td>2.00</td> <td>1.00</td> <td>1.20</td> <td></td> <td>2.68</td> <td>6.42</td> </tr> <tr> <td></td> <td>1.00</td> <td>1.00</td> <td>1.00</td> <td></td> <td>2.68</td> <td>2.68</td> </tr> <tr> <td>Parapet wall</td> <td>1.00</td> <td>1.00</td> <td>19.30</td> <td></td> <td>0.30</td> <td>5.79</td> </tr> <tr> <td>Deduction, Door</td> <td>-5.00</td> <td>1.00</td> <td>0.75</td> <td></td> <td>2.10</td> <td>-7.88</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>15.57</td> </tr> </table>	Partation wall [3.0-(.2+.125)= 2.675]	2.00	1.00	1.60		2.68	8.56		2.00	1.00	1.20		2.68	6.42		1.00	1.00	1.00		2.68	2.68	Parapet wall	1.00	1.00	19.30		0.30	5.79	Deduction, Door	-5.00	1.00	0.75		2.10	-7.88							15.57							15.57	674.00	Sq.M.	10494.18																												
Partation wall [3.0-(.2+.125)= 2.675]	2.00	1.00	1.60		2.68	8.56																																																																											
	2.00	1.00	1.20		2.68	6.42																																																																											
	1.00	1.00	1.00		2.68	2.68																																																																											
Parapet wall	1.00	1.00	19.30		0.30	5.79																																																																											
Deduction, Door	-5.00	1.00	0.75		2.10	-7.88																																																																											
						15.57																																																																											
9	<p>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.or. [PWD BUILDING WORKS, Page- 47, It. No- 3]</p> <table border="1"> <tr> <td></td> <td>1.00</td> <td>1.00</td> <td>5.10</td> <td>4.55</td> <td></td> <td>23.21</td> </tr> </table>		1.00	1.00	5.10	4.55		23.21							23.21	24.00	Sq.M.	557.04																																																															
	1.00	1.00	5.10	4.55		23.21																																																																											
10	<p>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) (When the height of a particular floor is more than 4 m the equivalent floor height shall be taken as 4 m and extra for works beyond the initial 4 m ht. shall be allowed under 12 (e) for every 4 m or part thereof) (f) 25 mm to 30 mm shuttering without staging in foundation [PWD BUILDING WORKS, Page- 37, It. No- 36. f]</p> <table border="1"> <tr> <td>Footing</td> <td>6.00</td> <td>4.00</td> <td>1.20</td> <td></td> <td>0.20</td> <td>5.76</td> </tr> <tr> <td>Column</td> <td>6.00</td> <td>4.00</td> <td>0.40</td> <td></td> <td>0.30</td> <td>2.88</td> </tr> <tr> <td>Column</td> <td>6.00</td> <td>4.00</td> <td>0.25</td> <td></td> <td>0.60</td> <td>3.60</td> </tr> <tr> <td>Tie Beam</td> <td>3.00</td> <td>2.00</td> <td>4.55</td> <td></td> <td>0.25</td> <td>6.83</td> </tr> <tr> <td></td> <td>2.00</td> <td>2.00</td> <td>2.08</td> <td></td> <td>0.25</td> <td>2.08</td> </tr> <tr> <td></td> <td>2.00</td> <td>2.00</td> <td>2.28</td> <td></td> <td>0.25</td> <td>2.28</td> </tr> <tr> <td>Part beam</td> <td>1.00</td> <td>2.00</td> <td>2.08</td> <td></td> <td>0.25</td> <td>1.04</td> </tr> <tr> <td></td> <td>1.00</td> <td>2.00</td> <td>2.28</td> <td></td> <td>0.25</td> <td>1.14</td> </tr> <tr> <td></td> <td>1.00</td> <td>2.00</td> <td>1.60</td> <td></td> <td>0.25</td> <td>0.80</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>26.41</td> </tr> </table>	Footing	6.00	4.00	1.20		0.20	5.76	Column	6.00	4.00	0.40		0.30	2.88	Column	6.00	4.00	0.25		0.60	3.60	Tie Beam	3.00	2.00	4.55		0.25	6.83		2.00	2.00	2.08		0.25	2.08		2.00	2.00	2.28		0.25	2.28	Part beam	1.00	2.00	2.08		0.25	1.04		1.00	2.00	2.28		0.25	1.14		1.00	2.00	1.60		0.25	0.80							26.41							26.41	205.00	Sq.M.	5414.05
Footing	6.00	4.00	1.20		0.20	5.76																																																																											
Column	6.00	4.00	0.40		0.30	2.88																																																																											
Column	6.00	4.00	0.25		0.60	3.60																																																																											
Tie Beam	3.00	2.00	4.55		0.25	6.83																																																																											
	2.00	2.00	2.08		0.25	2.08																																																																											
	2.00	2.00	2.28		0.25	2.28																																																																											
Part beam	1.00	2.00	2.08		0.25	1.04																																																																											
	1.00	2.00	2.28		0.25	1.14																																																																											
	1.00	2.00	1.60		0.25	0.80																																																																											
						26.41																																																																											

Prof

Sub Asst. Engineer
SILIGURI MUNICIPAL CORPORATION



charges for shuttering with centering and necessary staging upto 4 m
 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)
 (When the height of a particular floor is more than 4 m the equivalent floor height shall
 be taken as 4 m and extra for works beyond the initial 4 m ht. shall be allowed under 12
 (c) for every 4 m or part thereof)
 (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In
 Charge.
 [PWD BUILDING WORKS, Page- 36, It. No- 36. a]

Column	6.00	4.00	0.25		2.75	16.50
Lintel	3.00	2.00	4.55		0.20	5.46
	2.00	2.00	2.08		0.20	1.66
	2.00	2.00	2.28		0.20	1.82
Partitaion wall	2.00	2.00	1.60		0.20	1.28
	2.00	2.00	1.20		0.20	0.96
	1.00	2.00	1.60		0.20	0.64
Openning, Door	2.00	1.00	1.05		0.25	0.53
	4.00	1.00	0.75		0.13	0.38
Window	4.00	1.00	0.45		0.25	0.45
Chazza	4.00	1.00	0.50		0.45	0.90
	4.00	1.00	1.40		0.10	0.56
Roof beam	3.00	1.00	4.55		0.13	1.71
	2.00	1.00	2.08		0.13	0.52
	2.00	1.00	2.28		0.13	0.57
Outerside	1.00	1.00	21.74		0.25	5.44
Roof slab	1.00	1.00	5.10	4.55		23.21
					62.59	

62.59 328.00 Sq.M. 20529.52

12 Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone
 chips, laid in panels as directed with topping made with ordinary or white cement (as
 necessary) and marble dust in proportion (1:2) including smooth finishing and rounding
 off corners including raking out joints or roughening of concrete surface and
 application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all
 complete including all materials and labour.
 In ground floor.
 3 mm. thick topping (High polishing grinding on this item is not permitted with
 ordinary cement).
 Using grey cement
 (ii) 25 mm. thick
 [PWD BUILDING WORKS, Page- 42, It. No- 6. ii]

Roof	1.00	1.00	5.10		4.55	23.21
------	------	------	------	--	------	-------

23.21 262.37 Sq.M 6089.61

13 Reinforcement for reinforced concrete work in all sorts of structures including
 distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if
 necessary), cutting to requisite length, hooking and bending to correct shape, placing in
 proper position and binding with 16 gauge black annealed wire at every intersection,
 complete as per drawing and direction
 (a) For works in foundation and upto roof of ground floor/upto 4 m
 (i) Tor steel/Mild Steel
 II. JSW/JSPL/SHYAM/ SRMB/BMASL/ELECROSTEEL/SSL
 [PWD BUILDING WORKS, Page- 43, It. No- 40. a.i]

1.20% of Item No(6)	0.01	10.85	7.85			1.022
---------------------	------	-------	------	--	--	-------

1.022 58537.78 MT 59825.61

Sub Asst. Engineer
SILIGURI MUNICIPAL CORPORATION

	with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 20mm 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. (Add extra @ 1% for each addl. floor upto 4th floor and @ 1.25% for each addl. floor above 4th floor) In ground floor. [PWD BUILDING WORKS, Page- 106, It. No- 18]													
		2.35		1.00	2.10		4.94	4.94	3773.00	Sq.M	18638.62			
15	Brick work with 1st class bricks in cement mortar (1:4) (b) In superstructure, ground floor [PWD BUILDING WORKS, Page- 15, It. No- 7. b]													
	[3.0-(.25+.2) = 2.55]	3.00	1.00	4.55	0.25	2.55	8.70							
		2.00	1.00	2.08	0.25	2.55	2.65							
		4.00	1.00	2.28	0.25	2.55	5.80							
	Deduction													
	Window	-4.00	1.00	0.45	0.25	0.60	-0.27							
	Door	-2.00	1.00	1.05	0.25	2.10	-1.1							
							15.78	15.78	5172.00	Cu.M	81614.16			
16	Labour for Chipping of concrete surface before taking up Plastering work. [PWD BUILDING WORKS, Page- 192, It. No- 1]													
	Column	6.00	4.00	0.25		3.35	20.10							
	Lintel	3.00	2.00	4.55		0.20	5.46							
		2.00	2.00	2.08		0.20	1.66							
		2.00	2.00	2.28		0.20	1.82							
	Partition wall	1.00	2.00	2.08		0.20	0.83							
		3.00	2.00	2.28		0.20	2.73							
		1.00	2.00	1.60		0.20	0.64							
	Below opening													
	Window	4.00	1.00	0.45		0.25	0.45							
	Door	2.00	1.00	1.05		0.25	0.53							
		3.00	1.00	0.75		0.13	0.28							
	Chazza	4.00	1.00	1.40		0.10	0.56							
	Roof beam	3.00	1.00	4.55		0.25	3.41							
		2.00	1.00	2.08		0.25	1.04							
		2.00	1.00	2.28		0.25	1.14							
	In side	3.00	2.00	4.05		0.13	3.04							
		2.00	2.00	1.85		1.25	9.25							
	Inside	2.00	1.00	2.50		0.13	0.63							
	Roof	1.00	1.00	5.10		4.55	23.21							
							76.78	76.78	21.000	Sq.M	1612.38			

(Signature)

Sub Asst. Engineer
SILIGURI MUNICIPAL CORPORATION

(floor, ceiling etc.) with sand and cement mortar including rounding off 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]

(i) With 1:6 cement mortar
(c) 15 mm thick plaster

Outside	1.00	2.00	4.55		3.90	35.49
	1.00	2.00	5.10		3.90	39.78
Chazza	4.00	1.00	0.45	0.50		0.9
	4.00	1.00	1.40		0.10	0.56
Inside	4.00	1.00	4.05		2.88	46.58
	3.00	1.00	2.08		2.88	17.9
	3.00	1.00	2.28		2.88	19.62
Partion wall	2.00	1.00	1.60		2.88	9.2
	2.00	1.00	1.00		2.88	5.75
Parapet wall	1.00	2.00	5.10	0.13		1.28
	1.00	2.00	4.55	0.13		1.14
Insde	1.00	2.00	5.10		0.30	3.06
	1.00	2.00	4.55		0.30	2.73
Deduction	-2.00	2.00	1.05		2.10	-8.82
	-4.00	2.00	0.75		2.10	-12.60
	-4.00	2.00	0.45		0.60	-2.16

1/3 of opening 0.33 13.64 4.55

164.96 138 Sq.M 22764.48

18 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]

(ii) With 1:4 cement mortar
(c) 10 mm thick plaster

Chazza	4.00	1.00	0.45		0.50	0.9
Roof	1.00	1.00	5.10		4.55	23.21

24.11

24.11 126.00 Sq.M 3037.86

19 Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc.
NOTE:Cement 0.152 cu.m per100 sq.m.
[PWD BUILDING WORKS, Page- 192, It. No- 15.]

	1.00	1.00	19.30		0.60	11.58
--	------	------	-------	--	------	-------

11.58

11.58 34.00 Sq.M 393.72

20 Supplying, fitting and fixing fibre reinforced polymer (FRP) Composite door frame as per approved section with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS: 4020 door testing performance criteria..

(i) 66mm x 90mm

	4.00	1.00	4.95			19.80
--	------	------	------	--	--	-------

19.80

19.80 497.00 Mtr. 9840.60

21 Supplying, fitting & fixing fibre reinforced polymer (FRP) Composite door shutters as per approved design with glass fibre reinforced plastic moulded skins and a special sandwich core, so as to impart monolitaheic composite structure as per approved technology of Department of Science and Technology (DST) to satisfy IS:4020 door testing performance criteria.

In ground floor.
(ii) 25 mm thick

	4.00	1.00		0.75	2.10	6.3
--	------	------	--	------	------	-----

6.3

6.3 2581.00 Sq.M 16260.3

22 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 screws:
(vii) 225mm long x 10mm dia. bolt.

4.00

4.00 84.00 Each 336.00

23 Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark.
(viii) 100mm. X 75mm. X 3.50mm
.[PWD BUILDING WORKS, Page- 140, It. No- 5. viii]

12.00

12.00 66.00 Each 792.00

24 Anodised aluminium decorative handle (hexagonal / fluted) of approed quality fitted and fixed complete.
(i) 150mm plate x 10mm dia rod x 12mm hexagonal/fluted.

8.00

8.00 87.00 Each 696.00

Sub Asst Engineer
MISHRI MUNICIPAL CORPORATION

	approved quality fitted and fixed complete. 10mm X 10mm dia rod.						4.00	104.00	Each	416.00
	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 pavement, footpath etc. including necessary underlay 25 mm thick [avg] cement mortar (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] Red Variety (i) 25 mm. thick [PWD BUILDING WORKS, Page- 174, It. No- 46. i]									
	Stair	4.00	1.00	2.35			0.15	1.41		
		3.00	1.00	2.35			0.25	1.76		
		1.00	1.00	0.25			0.15	0.04		
		1.00	1.00	0.50			0.15	0.08		
		1.00	1.00	0.75			0.15	0.11		
							3.40			
28	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 mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contr[e] I (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. (A) Deep Colour & White [PWD BUILDING WORKS, Page- 66, It. No- 36. A]									
		1.00	1.00	5.10	4.55		23.21			
							23.21	1688.00	Sq. M	39178.48
29	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc. B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (ii) Other than Coloured decorative including white [PWD BUILDING WORKS, Page- 64, It. No- 35. B.b.ii]									
	Inside	4.00	1.00	4.50			2.10	37.80		
		4.00	1.00	1.85			2.10	15.54		
		2.00	2.00	1.20			2.10	10.08		
		4.00	1.00	2.50			2.10	21.00		
	Deducting									
	Window	4.00	1.00	0.45			0.60	1.08		
	Door	2.00	1.00	1.05			2.10	4.41		
		4.00	1.00	0.75			2.10	6.30		
	1/3 of opening	0.33	10.71					3.57		
							99.78			
							99.78	703	Sq. M	70145.34

Sub Asst. Engineer
SILIGURI MUNICIPAL CORPORATION

... 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
 l) Natural white
 h) Louvered window
 [PWD BUILDING WORKS, Page- 233, It. No- 1. A.I.h.

i) Top, bottom and side member.	4.00	1.00	2.10			8.40	8.40	183.00	Mtr.	1537.2
ii) Louvered Section.	4.00	1.00	0.60			2.40	2.40	658.00	Mtr.	1579.2
iii) Cleat angle (Non-anodized).	4.00	4.00	0.45			7.20	7.20	263.00	Mtr.	1893.6

31 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 Polysulphide 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 excluding the cost of extruded aluminium sections, glass, neoprene / EPDM gasket, locking arrangement and rollers.
 v) Louvered window
 [PWD BUILDING WORKS, Page- 240, It. No- 2. A.v]

	4.00	1.00	0.45		0.60	1.08	1.08	730.00	Sq. M	788.4
--	------	------	------	--	------	------	------	--------	-------	-------

32 Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987.
 iv) 5mm thick coloured / tinted / smoke glass.

	1.08						1.08	585.00	Sq. M	631.8
--	------	--	--	--	--	--	------	--------	-------	-------

33 a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor.
 (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.

Pump house	6.00	1.00	0.60		0.60	2.16				
Window	4.00	1.00	0.45		0.60	1.08				
						3.24				
			2.97	16.00	47.52	0.475	0.475	9827.00	Qntl	4667.83

34 Rendering the Surface of walls and ceiling with White Cement base WATER PROOF wall putty of approved make & brand.(1.5 mm thick)

same as- It. No- (17+18)- (19+29)		164.96	24.11	11.58	99.78	77.71	77.71	122.00	Sq. M	9480.62
-----------------------------------	--	--------	-------	-------	-------	-------	-------	--------	-------	---------

35 Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. (In Ground Floor)
 (b) Two Coats
 i) Water based interior grade Acrylic Primer
 [PWD BUILDING WORKS, Page- 196, It. No- 7.b.i]

Insdie	4.00	1.00	4.50		0.78	13.95				
3.0-(.125+2.1)= 0.78	2.00	1.00	1.85		0.78	2.87				
	2.00	1.00	2.50		0.78	3.88				
	1.00	2.00	1.85		0.78	2.87				
	2.00	2.00	1.20		0.78	3.72				
	1.00	2.00	2.50		0.78	3.88				
	1.00	2.00	1.60		0.78	2.48				
Slab	1.00	1.00	4.60		4.05	18.63				

Sub Asst. Engineer
 MUNICIPAL CORPORATION

					52.28		52.28	4420.00	%Sq.M	2310.78
										2561.72
37	(b) Two coat 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. In Ground Floor: (b) Two Coats						52.28	49.00	Sq. M	
	Outer side	1.00	2.00	5.10		3.60	36.72			
		1.00	2.00	4.55		3.60	32.76			
	Chazza	4.00	2.00	0.45		0.50	1.8			
		4.00	1.00	1.40		0.10	0.56			
	Parapet wall	1.00	2.00	5.10		0.13	1.28			
		1.00	2.00	4.55		0.13	1.14			
	In side	1.00	2.00	5.10		0.30	3.06			
		1.00	2.00	4.55		0.30	2.73			
	Deduction	-4.00	1.00	0.45		0.50	-0.9			
		-2.00	1.05	1.05		2.10	-4.63			
						74.52				
						74.52	4510.00	%Sq.M		3360.85
38	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. In Ground floor (Two Coat) a) Normal Acrylic Emulsion [PWD BUILDING WORKS, Page- 197, It. No- 17.a]									4992.84
						74.52	67.00	Sq.M		
39	(b) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. [PWD BUILDING WORKS, Page- 200, It. No- 1. b]									241.30
						6.35	38.00	Sq. M		
40	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.									
	Pump house	6.00	1.00	0.60		0.60	2.16			
	Window	4.00	1.00	4.50		0.50	9.00			
	Collapsible	2.00	1.00	1.00		2.00	4.00			
						15.16				
						15.16	29.00	Sq. M		439.64
41	(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 : (a) On timber or plastered surface : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)									514.35
						6.35	81.00	Sq. M		
42	(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 : With super gloss (hi-gloss) - (iv) Two coats (with any shade except white)									1197.64
						15.16	79.00	Sq. M		
43	Painting block letters or digits in Black Japan or any approved paint as per direction. e) Size above 7.5 cm. and upto 10 cm.									5400.00
						450.00	12.00	Sq. M		
44	Supplying and Planting of different plant / trees (Supplying well grown plants bushy and healthy, minimum height as specified i.e. exposed height including all leads & lift, carriage, handling, manuring, applying pesticide and fertilizer etc.									
44.A	i) Furcaria veriegated 10-12 leaves in height 20-30cm in earthen pots of size 25cm.					7.00	162.00	Each		1134.00
45.B	x) Ficus blakii (F. Vivicon) well branched (Bushy) of height 120cm - 135 cm in earthen pot of size 30cm.					3.00	187.00	Each		561.00
45.C	xxvi) Areca Palm 4 - 5 suckers of height 90 cm to 105 cm in earthen pots of size 25 cm. [PWD BUILDING WORKS, Page- 262, It. No- 9. xxvi]					3.00	127.00	Each		381.00

SUD Asst. Engineer
SILIGURI MUNICIPAL CORPORATION

SANITARY AND PLUMBING WORKS

	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. (a) With 'P' trap (with vent) [SANITARY AND DRAINAGE WORKS, Page- 79, It. No- 3. a]	5.00	3104.00	Each	15520.00
47	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (b) Anglo Indian (i) Plastic (hallow type) black	4.00	371.00	Each	1484.00
48	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make 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	3.00	945.00	Each	2835.00
47	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 [SANITARY	2.00	881.00	Each	1762.00
48	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. [SANITARY AND	4.00	1015.00	Each	4060.00
49	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe [SANITARY	4.00	155.00	Each	620.00
50	Supplying, fitting and fixing urinal flush pipe fittings of approved brand. (a) C.P. urinal flush pipe fittings range of one	2.00	414.00	Each	828.00
51	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm 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. X 400 mm size (ii) 550 mm [SANITARY AND DRAINAGE WORKS, Page- 41, It. No-2.ii]	2.00	2208.00	Each	4416.00
52	Supplying, fitting and fixing pedestal of approved make for wash basin (white) [SANITARY AND DRAINAGE WORKS, Page- 41, It. No-3]	2.00	1497.00	Each	2994.00
53	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. (iii) 600 mm long	5.00	107.00	Each	535.00
54	Supplying, fitting and fixing approved brand 32 mm dia. P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps. (iv) 1050 mm long	7.00	91.00	Each	637.00
55	(f) Hand Shower (Health Faucet) with 1mtr Flexible Tube with Wall Hook (Equivalent to Code No. 573 & Model - ALLIED of Jaquar or similar).	5.00	1251.00	Each	6255.00
56	(a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	5.00	539.00	Each	2695.00
57	(b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar	1.00	493.00	Each	493.00
58	(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand).	5.00	815.00	Each	4075.00
59	a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).	2.00	555.00	Each	1110.00
60	Supplying, fitting and fixing PVC pipes of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). 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, 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. (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. Payment for painting will be made seperately) (a) For Exposed Work, PVC Pipes, 25 mm	25.00	177.00	Mtr.	4425.00


 Sub Asst. Engineer
 SILIGURI MUNICIPAL CORPORATION

	Work, PVC Pipes, 15 mm [SANITARY AND DRAINAGE WORKS, Page- 12, It. No- 19. i.a]	10.00	101.00	Mtr.	1010.00
61	(a) For Concealed Work, PVC Pipes, 15 mm [SANITARY AND DRAINAGE WORKS, Page- 12, It. No- 19. i.a]	10.00	101.00	Mtr.	1010.00
61	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (vii) 25 mm dia [SANITARY AND DRAINAGE WORKS, Page- 5, It. No- 5. vii]	2.00	778.00	Each	1556.00
62	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (b) 1000 litre capacity	2.00	5128.00	Each	10256.00
63	Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity.	2.00	96.00	Each	192.00
64	Labour for punching hole in plastic water storage tank upto 50 mm dia.	2.00	19.00	Each	38.00
65	Labour for punching hole in plastic water storage tank upto 50 mm dia.	4.00	19.00	Each	76.00
66	Supply of UPVC pipes (B Type) & fittings conforming to IS-13592-1992.(A) (i) Single Socketed 3 Meter Length, (b) 110 mm PWD S&P Schedule, Page No.-68 Item No. 23,(A)(i)(b)	30.00	292.00	Mtr	8760.00
67	(B) Fittings (i) Coupler, (b) 110 mm	8.00	85.00	Each	680.00
68	(ii) Plain Tee, (b) 110 mm	12.00	85.00	Each	1020.00
69	(iii) Door Tee, (b) 110 mm	10.00	195.00	Each	1950.00
70	ix) Bend 45°, (b) 110 mm	10.00	89.00	Each	890.00
71	xi) Door Bend (T.S.), (b) 110 mm	7.00	147.00	Each	1029.00
72	xvi) Pipe Clip, (b) 110 mm	30.00	21.00	Each	630.00
73	xvii) W.C. Connector (150 mm long) 125 X 110(W/WC Ring) 75 mm	4.00	142.00	Each	568.00
74	xxxix) Plain Floor Trap with Top tile & Strainer 75 mm	7.00	144.00	Each	1008.00
75	L) Rubber Ring, (b) 110 mm	15.00	17.00	Each	255.00
76	C)Rubber Lubricant 500 ML	1.00	187.00	500 ML	187.00
77	D)Solvent Cement 250 ML	1.00	103.00	250 ML	103.00
78	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 total pipeline including specials. (B) Under ground, (ii) 110 mm dia. PWD S&P Schedule, (P. - 74, Item. No. - 24 (B)	25.00	84.00	Mtr	2100.00
79	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 materails (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. A) UPVC Pipes: (i) 75 mm. Dia. (P. - 212, Item. No. - 21 (A)(i) , (B),(c),(i) & (B), (d),(i), Pwd volume- i, 2017)	30.00	188.00	Mtr	5640.00


 Sub Asst. Engineer
 SILIGURI MUNICIPAL CORPORATION

	82	<p>c) Bend 87.5 degree (i) 75 mm. Dia.</p> <p>UPVC Fittings: d) Shoe (i) 75 mm. Dia.</p> <p>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.</p> <p>i) With Pakur variety (Other than SAIL/TATA/RINL). PWD S&P Schedule, S.P.87, Item No-1/(i), 7th Corrigenda Volume ii</p>	6.00	84.00	Mtr	504.00
			2.00	78.00	Mtr	156.00
	83	<p>Construction 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 (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring,</p>	3.00	7248.00	Each	21744.00
	84	<p>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 150 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 conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. (Other than SAIL/TATA/RINL) S.P.89, Item No-4 7th Corrigenda Volume ii</p>	1.00	103304.00	Each	103304.00
	85	<p>Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (ii) 25 mm dia. and 600 mm long S&P Schedule, p No 82 I No- 22 (a)(ii)</p>	2.00	15532.00	Each	31064.00
	86	<p>Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges. (ii) 600 mm X 450 mm PWD S&P Schedule, P-81, It-15(ii)</p>	2.00	430.00	Each	860.00
	87	<p>Supplying, fitting and fixing soap holder. (b) Fibre glass Sanitary and plumbing work schedule P-82, It-18(b)</p>	2.00	484.00	Each	968.00
			4.00	58.00	Each	406.00


 Sub Asst. Engineer
 SILIGURI MUNICIPAL CORPORATION

Sanitary and plumbing work schedule P-81, It-16(a)(i)	2.00	341.00	Each	682.00
Total Amount excluding GST				763122.2
Add CGST @ 9%				68681
Add SGST @ 9%				68681
Total amount including GST				900484.2
Add Labour Welfare Cess. @ 1%				9004.84
Total Amount Including L.abour Welfare Cess.				909489.04
Add Contengency @3%				27014.53
Total Amount Including L.W.C. and contengency				936503.57
Say Rupees				936504.00

P. Bose.
Sub Asst. Engineer
SILIGURI MUNICIPAL CORPORATION


Assistant Engineer
Siliguri Municipal Corporation


Executive Engineer
SILIGURI MUNICIPAL CORPORATION