

Estimate for:

**RETROFITTING OF SINGLE PIT TOILET TO TWIN PIT TOILET OF UNDER 15TH
CFC 2024-2025 AT BONG GP WITHIN KALIMPONG-I DEV BLOCK, KALIMPONG**

All Linear measurements are in metre

Item Number	Description of Item					Quantity	Rate	Unit	Amount Rs.
	Member	Number	Length	Breadth	Height				
PWD(WB)/BUILDING WORKS(CCS)/Page-1/Item-2									
1	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 75m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.								
1.01	(a) Depth of excavation not exceeding 1.500 mm.								
	Pit		3.14*.45*.45*1.5			0.95 Cu.M			
	Inspection Chamber	1	0.50	0.50	0.80	0.20 Cu.M			
	Total					1.15 Cu.M	14214.60	% Cu.M.	163.47
PWD(WB)/BUILDING WORKS(CCS)/Page-229/Item-12									
2	Laying 150 mm. to 200 mm. boulder soling including rough dressing hand packing and ramming down small pieces in the interstics without rolling but including ramming.								
	pit base		3.14*.45*.45			0.64 Sqm			
	Total					0.64 Sqm	59.59	Sq.M.	38.14
PWD(WB)/BUILDING WORKS(CCS)/Page-229/Item-11A									
3	Cost of stone boulder 150 mm size delivered ans stacked at site.								
		1	0.64	1.00	0.10	0.06 Cu.M			
	Total					0.06 Cu.M	1819.16	Cum.	109.15
								C.O.	310.76
								B.F.	310.76
PWD(WB)/BUILDING WORKS(CCS)/Page-34/Item-22									
4	(I) Cement concrete with graded stone ballast (40 mm size) excluding shuttering.In ground floor.								
4.01	(B) With N.B variety stone metal.								
4.02	(a) 1:3:6 proportion								



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Kalimpong | 2 July 2025 at 1:08 pm

Technical Assistant

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Item Number	Description of Item					Quantity	Rate	Unit	Amount Rs.
	Member	Number	Length	Breadth	Height				
	For Leach Pit base	2*3.14*.45*.075				0.21 Cu.M			
	For silt chamber	1	0.50	0.50	0.08	0.02 Cu.M			
	Total					0.23 Cu.M	6955.68	Cu.M	1599.81
PWD(WB)/BUILDING WORKS(CCS)/Page-15/Item-8									
5	Brick work with 1st class bricks in cement mortar (1:6)								
5.01	In foundation and plinth								
	For Leach Pit	2*3.14*.45*1.35*.25				0.95 Cu.M			
	Total					0.95 Cu.M	9159.00	Cum.	8701.05
PWD(WB)/BUILDING WORKS(CCS)/Page-16/Item-16									
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.								
	Inspection chamber	1	2.00	0.45		0.90 Sq.M			
Total						0.90 Sq.M	1237.09	Sq.M.	1113.38
PWD(WB)/BUILDING WORKS(CCS)/Page-26/Item-10									
7	Ordinary cement concrete (mix 1:1.5:3) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant codes.								
7.01	(ii) River bazree.								
	Leachpit slab	3.14*.45*.45*.075				0.05 Cu.M			
	Inspection Chamber	1	0.50	0.50	0.08	0.02 Cu.M			
	Total					0.07 Cu.M	8331.81	Cu.M	583.23
								C.O.	12308.23



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2 July 2025 at 1:11 pm

Item Number	Description of Item					Quantity	Rate	Unit	Amount Rs.
	Member	Number	Length	Breadth	Height				
	PWD(WB)/BUILDING WORKS(CCS)/Page-43/Item-40							B.F.	12308.23
8	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 intersection, complete as per drawing and direction.								
8.01	(a) For works in foundation, basement and up to roof of ground floor/up to 4m. Tor steel/Mild steel.								
8.02	other than SAIL/TATA/RINL/JSW/JSPL/Shyam/SRMB/ISSL/BMASL/Elctrosteel								
	Volumetric percentage calculation of reinforcement								
	Description					Volume of cc			
						0.07 cum			
	Total volume					0.07 cum			
	Percentage of steel	0.90	%						
	Weight of steel	7.85	MT/cum						
	Reinforcement by volume of CC					0 MT			
	(0.07.00*0.9*7.85)/100					0 MT			
	Total					0.00 MT	83629.09	M.T.	0.00
	PWD(WB)/BUILDING WORKS(CCS)/Page-189/Item-1								
9	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering conrners 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].								
9.01	(i) with 1:6 cement mortar.								
9.02	(a) 25 mm. thick plaster.								
	Inspection Chamber	2	2.00	0.45		1.80 Sq.M			
	Inspection Chamber Slab	1	0.50	0.50		0.25 Sq.M			
	Leach Pit Slab			3.14*.45*.45		0.64 Sq.M			
	Total					2.69 Sq.M	306.74	Sq.M.	825.13
								C.O.	13133.36



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Kalimpong | 2 July 2025 at 1:13 pm

Technical Assistant

CEE4

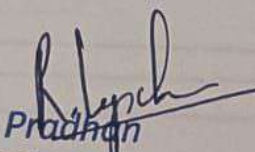
Item Number	Description of Item					Quantity	Rate	Unit	Amount Rs.
	Member	Number	Length	Breadth	Height				
	PWD(WB)/BUILDING WORKS(CCS)/Page-213/Item-21							B.F.	13133.36
10	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. and cutting trenches in any soil through masoury concrete structures etc. if necessary and mending good damages including jointing with jointing materials (Spun yarn, valamoid / bitumen/M.seal etc) complete.								
10.01	(A) UPVC PIPES.								
10.02	(ii) 110mm Dia.								
		1	5.00			5.00 M			
Total						5.00 M	373.28	Mtr.	1866.40

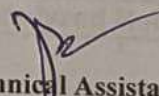
Total Civil Works

14999.76

TOTAL AMOUNT	14,999.76
Less 1% cess	150.00
Amount without cess (Sub-total1)	14,849.76
Contingency	0.00
GRAND TOTAL (TOTAL AMOUNT + Contingency)	14,999.76
SAY	15,000.00
(Rupees fifteen thousand) only	

The rate as per PWD (WB) Schedule of Rates for Building works effective from 1st November 2017,14th corrigendum.


Pradhan
Bong Gram Panchayat
Kalimpong-I Dev. Block


Technical Assistant
Kalimpong-I Dev Block
Kalimpong



OPPO A78 5G

Bong Khasmahal | 2 July 2025 at 1:14 pm

Technical Assistant

Analysis of rates for the work:

RETROFITTING OF SINGLE PIT TOILET TO TWIN PIT TOILET OF
 UNDER 15TH CFC 2024-2025 AT BONG GP WITHIN KALIMPONG-I DEV
 BLOCK, KALIMPONG

Item No.	Description of Item	Quantity	Rate Rs.	Unit	Amount Rs.
2	GST and CESS analysis for item No. - - - - -	1.01			11927.00
	Basic rate of item - - - - -				2146.86
			Add 18 % GST =		14073.86
			GST plus rate =		140.74
			Add 1 % CESS =		14214.60
			Final analyzed Rate =		
3	GST and CESS analysis for item No. - - - - -	2.00			50.00
	Basic rate of item - - - - -				9.00
			Add 18 % GST =		59.00
			GST plus rate =		0.59
			Add 1 % CESS =		59.59
			Final analyzed Rate =		
4	GST and CESS analysis for item No. - - - - -	3.00			1526.40
	Basic rate of item - - - - - (1272 + 1272 * 20% = 1526.4)				274.75
			Add 18 % GST =		1801.15
			GST plus rate =		18.01
			Add 1 % CESS =		1819.16
			Final analyzed Rate =		

5	Cement concrete (1:3:6) for item No. - - - - -	4.02				
	cement supplied by contractor.					
	Rate of item as per relevant section of the Schedule (4976 + 4976 * 20% = 5971.2)	1	cum	5971.20	cum	5971.20
	Deduct Issue rate of cement - Zone - North Bengal (Type of cement - OPC (53 Grade))	0.223	MT	6662.00	MT	1485.63
	Add Basic price of cement Zone - North Bengal (Type of cement - OPC (53 Grade))	0.223	MT	6057.00	MT	1350.71
	Total					5836.28
				Add 18 % GST =		1050.53
				GST plus rate =		6886.81
				Add 1 % CESS =		68.87
				Final analyzed Rate =		6955.68
6	Brick Work (1:6) for item No. - - - - -	5.01				
	cement supplied by contractor.					
	Rate of item as per relevant section of the Schedule (6443 + 6443 * 20% = 7731.6)	1	cum	7731.60	cum	7731.60
	Deduct Issue rate of cement - Zone - North Bengal (Type of cement - OPC (53 Grade))	0.077	MT	6662.00	cum	512.97
	Add Basic price of cement Zone - North Bengal (Type of cement - OPC (53 Grade))	0.077	MT	6057.00	cum	466.39
	Total					7685.02
				Add 18 % GST =		1383.30
				GST plus rate =		9068.32
				Add 1 % CESS =		90.68
				Final analyzed Rate =		9159.00
7	GST and CESS analysis for item No. - - - - -	6				
	Basic rate of item - - - - - (865 + 865 * 20% = 1038)					1038.00
				Add 18 % GST =		186.84
				GST plus rate =		1224.84
				Add 1 % CESS =		12.25
				Final analyzed Rate =		1237.09
8	Cement concrete (1:1.5:3) for item No. - - - - -	7.01				
	cement supplied by contractor.					
	Rate of item as per relevant section of the Schedule (6032 + 6032 * 20% = 7238.4)	1	cum	7238.40	cum	7238.40
	Deduct Issue rate of cement - Zone - North Bengal (Type of cement - OPC (53 Grade))	0.409	MT	6662.00	MT	2724.76

Add Basic price of cement Zone - North Bengal (Type of cement - OPC (53 Grade))		0.409	MT	6057.00	MT	2477.31
Total						6990.95
				Add 18 % GST =		1258.37
				GST plus rate =		8249.32
				Add 1 % CESS =		82.49
				Final analyzed Rate =		8331.81
9	Mild/tor steel. for item No. - - - - -	8.02				
Steel supplied by contractor.						
Carriage of materials over pucca road (Lead = 70KM)/Cu.M.						
Loading, unloading, stacking		0.40	MT	96.00	MT	38.40
Loading, unloading, stacking		0.35	MT	96.00	MT	33.60
Loading, unloading, stacking		0.25	MT	96.00	MT	24.00
Carriage on plains areas						
Distance carried upto 5 KM.		1.00	Unit	82.00	Unit	82.00
Distance carried from 5 to 10 KM.		5	Km.	7.30	Km.	36.50
Carriage on hill areas						
Distance carried from 5 to 10 KM.		5	Km.	11.00	Km.	55.00
Distance carried from 10 to 20 KM.		10.00	Km.	10.10	Km.	101.00
Distance carried from 20 to 50 KM.		30.00	Km.	9.50	Km.	285.00
Distance carried from 50 to 100 KM.		20.00	Km.	8.40	Km.	168.00
				Total carriage Rs.		823.50
Rate of item as per relevent section of the Schedule (62777 + 62777 * 20% = 75332.4)		1	MT	75332.40	MT	75332.40
Deduct Issue rate of steel including 10% contractor's profit, 2% Sundries, water charges and 5% wastage. Siliguri (Steel type - Tor Steel rods/ HYSD bars/ TMT bars other than SAIL/TATA/RINL/JSW/JSPL/Shyam /SRMB/ISSL/BMASL/Electrosteel(Fe 415 / Fe 500 /Fe 500D))		1.17	MT	45021.00	MT	52674.57
Add Basic price at outlet of steel including 10% contractor's profit, 2% Sundries, water charges and 5% wastage. Siliguri (Steel type - Tor Steel rods/ HYSD bars/ TMT bars other than SAIL/TATA/RINL/JSW/JSPL/Shyam/ SRMB/ISSL/BMASL/Electrosteel(Fe 415 / Fe 500 /Fe 500D))		1.17	MT	39870.00	MT	46647.90

Loading unloading and carriage of steel.		1.05	MT	823.5	MT	864.68
Total						70170.41
		Add 18 % GST =				12630.67
		GST plus rate =				82801.08
		Add 1 % CESS =				828.01
		Final analyzed Rate =				83629.09
10 25mm Cement Plaster (1:6) for item No. -----		9.02				
cement supplied by contractor.						
Rate of item as per relevant section of the Schedule (218 + 218 * 20% = 261.6)		1	cum	261.60	cum	261.60
Deduct Issue rate of cement - Zone - North Bengal (Type of cement - OPC (53 Grade))		0.007	MT	6662.00	cum	46.63
Add Basic price of cement Zone - North Bengal (Type of cement - OPC (53 Grade))		0.007	MT	6057.00	cum	42.40
Total						257.37
		Add 18 % GST =				46.33
		GST plus rate =				303.70
		Add 1 % CESS =				3.04
		Final analyzed Rate =				306.74
12 GST and CESS analysis for item No. -----		10.02				
Basic rate of item ----- (261 + 261 * 20% = 313.2)						313.20
		Add 18 % GST =				56.38
		GST plus rate =				369.58
		Add 1 % CESS =				3.70
		Final analyzed Rate =				373.28