

# STATE MISSION DIRECTORATE, SWACHH BHARAT MISSION (U) URBAN DEVELOPMENT & HOUSING DEPARTMENT GOVERNMENT OF SIKKIM



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# PROPOSAL FOR COMMUNITY SANITARY COMPLEXES SUBMITTED TO MINISTRY OF OVERSEAS AFFAIRS

#### ABSTRACT:

The Community Sanitary Complexes/toilets to be constructed under SBM (U) need to be made with a few design considerations like:-

- Separate toilet blocks for men and women with separate entries
- Seats for children in the section for women
- Waiting/circulating area
- A place for the caretaker from where he/she can oversee both entries- men's and women's
- Urinal facilities for men
- Facility to store large volumes of water

#### TECHNICAL SPECIFICATIONS:

The ULBs of Sikkim have planned out a concept for Community Sanitary Complexes/toilets to be constructed in Sikkim. It would be a 2 storey complex with the ground floor catering to male and the first floor catering to female.

The ground floor will have 3 urinals, 3 toilet cubicles, 3 bathing cubicles and 3 hand wash sinks. The first floor will have 4 toilet cubicles, 3 bathing cubicles and 4 hand wash sinks. Each floor will be 14 feet by 21 feet bringing the total surface area of the complex to 588 square feet. Additionally it will also act as a refreshment complex with arrangements for showers, clothes washing area and also sanitary napkin vending machine (in the female section). Water tanks would be placed in the terrace of the complex.

## REQUIREMENTS:

There are 7 ULBs in Sikkim, namely

- 1. Gangtok Municipal Corporation
- 2. Mangan Nagar Panchayat
- 3. SingtamNagarPanchayat
- 4. Rangpo Nagar Panchayat
- 5. GyalshingMunicpal Council
- 6. NayaBazarJorethang Municipal Council
- 7. NamchiMunicpal Council

Gangtok Municipal Corporation with a population of 100286 as per 2011 census faces a demand for more sanitary complexes. So it is provided that 2 CSC may be taken up for GMC. Similarly, in the other 6 ULBs we intend to take up 1 CSC each.

## FINANCIALS:

The cost indication is as under:-

- 1. GMC 2 CSCs Rs. 2087000 X 2 = Rs. 4174000
- 2. ULBs 1 CSC per ULB = Rs. 2087000 X 6 = Rs. 12522000

TOTAL COST = Rs. 16696000

# ESTIMATE FOR CONSTRUCTION PUBLIC TOILET UNDER SWACHH BHARAT ABHIYAN

				Pa	rticulars						Quantity	Rate	Amount
6	Earth work in all sides, wat lead and lift	ering a	nd ramr	ning i/c	disposa	l of	excavate	ed ear	th upto	30 m		¥.	
	per the direct							u nec	try aress	cu us			
,	Wall												
	30	× (	3	+ :	11	) 6 <u>x</u>		= 1	260	cft			
	Isolated four	dation		_									
	4 Plinth Found Long wall	×	6.00	X	6.00	X	8.00	=	1152.00	cft			
	2 Cross wall	х	1.00	х	1.00	х	21.00	=	42.00	cft			
	2	×	1.00	×	1.00	×	14.00	=	28.00	cft			
								=	1222.00 34.64	cft cum	34.64 cum	257.17 /cum Rs	8,908.0
	Providing an	dstone	s all com		stone so	ling	in buildi	ng wo	orks with	clean			
	Isolated four 4	ndation ×	5.00	x	5.00	x	0.50	=	50.00	cft			
	Inside Plinth	×	21.00	×	14.00	×	0.50	=	147.00	cft			
	1	*	21.00	^-	14.00	^	0.50	= =	197.00 5.58	cft cum	5.58 cum	560.00 /cum R:	s 3,125.
	Providing & coarse sand compacting Isolated fou	6 gra curing ndation x	ded ston etc. all co	e aggre	gate of	20 m	o.33	down	size) inc	ent, 3 luding			
	Inside Plinth	×	21.00	x	14.00	×	0.33	=	97.02	cft			
								=	130.02 3.69	cft cum	3.69 cum	3821.00 /cum R	s 14,099
1	Providing ar clean hard s hard graded stone, throu 1:4:8 (1 cem mm and do	elected stone igh sto ient, 4	d stone in chips of ne of siz clean co	n 1:3:6 o size 40 e 150 r arse sar	c.c. (1 cer mm dov nm x 150 nd, 8 clea	ment vn no O mn	:, 3 clear ominal g n x 450	coar auge) mm n	se sand, ( includin; nanufacti	clean bond red in			
	Plinth Foun Long wall	dation											
	2 Cross wall	×	1.00	×	1.00	×	21.00	=	42.00	cft			
	2	×	1.00	X	1.00	×	14.00	=	28.00	cft			
								=	70.00 1.98	cft cum	1.98 cum	2971.66 /cum F	Rs 5,884
5	Providing a		P.	C	atal	FO 04	ctoro	of ci-	n not o	nadina			4

30 x 0.5 x 4.33 x 1.12 = 72.744 cft 1392.744 cft 39.48 cum

39.48 cum 3441.42 /cum Rs 135,867.00

6 Providing and laying in position 1: 1.5: 3 (1 cement, 1.5 coarse sand, 3 graded stone aggregate 20 mm nominal gauge size) reinforced cement concrete excluding the cost of form work, finishing & reinforcements with Recron 3S of fiber length 6 mm or 12 mm as per the direction of Engineer - in charge.

-											
Foundat	ion ba	ise									
	4	х	5.00	Х	5.00	Х	0.60	=	60.00	cft	
Column	upto g	groun	d level								
	4	Х	1.00	X	1.00	Х	6.00	=	24.00	cft	
Column	above	grou	nd level								
	4	Х	1.00	X	1.00	X	10.00	=	40.00	cft	
Tie Bean	n										
Long bea	am										
	2	Х	1.00	X	1.00	X	21.00	=	42.00	cft	
Cross be	am										
	2	Х	1.00	X	1.00	Х	14.00	=	28.00	cft	
Beam											
Ground											
Long bea	am										
	2	X	1.00	X	1.00	Х	21.00	=	42.00	cft	
Cross be											
	2	X	1.00	X	1.00	X	14.00	=	28.00	cft	
First Flo											
Long be	am										
	2	Х	1.00	×	1.00	X	21.00	=	42.00	cft	
Cross be	am										
	2	×	1.00	X	1.00	Х	14.00	=	28.00	cft	
Slab											
Ground			rst Floor								
	2	X	23.00	X	16.00	X	0.50	=	368.00	cft	
Waist sl									and the second		
	1	X	12.00	X	5.00	X	0.50	=	30.00	cft	
Landing											
	1	Х	5.00	×	5.00	X	0.50	=	12.50	cft	
Steps											
X	12	X	1.00	X	0.50	Х	5.00	=	15.00	cft	
								=	759.50	cft	(A)
					(A)	-	759.50	=	759.50	cft	
									21 52	*****	21 [2 0110

= 759.50 cft = 21.53 cum 21.53 cum 5254.00 /cum Rs 113,119.00

7 Filling inside plinth in building works with 23 cm layers, consolidated to 15cm including watering, ramming etc. all complete.

Footing

= 19.47 cum 19.47 cum 464.00 /cum Rs

9,034.00

- 8 Providing, fixing and removing **form work** for casting R.C.C items as indicated below: (with imported timber from out side the state)
- a. Foundation, footings, base of column etc. for mass concrete.

Foundation base

b.	Square colur Column upto		und l	evel											
	4	×		4	×	1.00	×	10.00	=	160.00	sft				
	Column abov					1 22				150.00					
	4	×		4	×	1.00	X	10.00	=	160.00 320.00	sft sft				
									=	29.74	sqm	29.74 sqm	568.00 /sqm	Rs	16,892.32
									-	25.74	sqiii	25.74 34111	500.00 / 54.11		
c.	Form work fo	or be	am I	intels	girders.	brersum	ers	& cantile	vers.						
C.	Tie Beam	51 50	,		5,, ac. 5,										
	Long beam														
	2	>	<	2	X	1.00	×	21.00	=	84.00	sft				
	2	>	<	1	×	1.00	×	21.00	=	42.00	sft				
	Cross beam									55.00	- 64				
	2		<	2	×	1.00	×	14.00	=	56.00	sft				
	3	,	K	1	×	1.00	X	14.00	=	42.00	sft				
	Beam														
	Ground floo	r													
	Long beam														
	Long beam			2	×	3.00	×	21.00	=	126.00	sft				
	2		×	1	×	1.00	×	21.00	=	42.00	sft				
	Cross beam		^	-	^	1.00	-	22.00							
	Cross ocum			2	×	3.00	×	14.00	=	84.00	sft				
	3		×	1	×	1.00	×	14.00	=	42.00	sft				
	First Floor														
	Long beam														
				2	×	3.00	×	21.00	=	126.00	sft				
	2		x	1	×	1.00	×	21.00	=	42.00	sft				
	Cross beam														
				2	×	3.00	×	14.00	=	84.00	sft				
	3		×	1	×	1.00	×	14.00	=	42.00	sft				
									=	812.00	sft	75 46	415 AF /sam	De.	31,351.00
									=	75.46	sqm	75.46 sqm	415.46 /sqm	KS	31,331.00
			.11-		. balaas	9 200	occ r	latform							
C	<ol> <li>Floor slab, r</li> <li>Slab</li> </ol>	001	siau,	lanuing	, balcoi	Ty & acce	:33	nacioiii.							
	Ground floo	ar													
	Ground not			2	×	23.00	×	16.00	=	736.00	sft				
	Waist slab			-	^	20.00									
	vv dist sids			1	×	12.00	×	5.00	=	60.00	sft				
	Landing														
				1	×	5.00	×	5.00	=	25.00	sft				
	Steps														
				12	×	5.00	×		=	30.00	sft				
	2	4	×	1/2	×	1.00	×	0.50	=		sft				
									=			(A)			
									=	700700000		(B)			
									=		sft	7.40 5000	630.75 /sqm	P.c	4,668.00
									=	7.40	sqm	7.40 sqm	030.73 /3qiii	113	4,000.00
							- 6	Tanaka-1		oforeon	nt in all				
5		ben	ding	and pla	icing in	position	01	for steel	reii	norceme	in in all				
	R.C.C work				ing wire	es all con 21.53		te. :um							
	V.I.F	10.(	6	,	= @			g/cum							
					=	2153.		kg.	=	21.53	qtl.	21.53 qtl.	6728.30 /qtl	Rs	144,860.00
							00750				CO. (CO.)				

10 Providing and laying first class brick work in one brick thick in superstructure of standard size bricks with 1:5 cement mortar (1 cement and 5 coarse sand) as per Engineer in charge including carriage of bricks upto work site and curing etc. all complete.

Full brick thick partition
Ground floor

Cross wall																	
		5	X	14.00	X	10.00	=	700.00	sft								
		1	×	4.00	X	10.00	=	40.00	sft								
First floor																	
Long wall																	
		3	×	21.00	X	10.00	=	630.00	sft								
Cross wall																	
Cross wan		5	×	14.00	X	10.00	=	700.00	sft								
							=	2910.00	sft	(A)							
Deduction of	penin	gs															
D1	=	2	X	3.00	х	7.00	=	42.00	sft								
D2	=	12	x	2.50	х	7.00	=	210.00	sft								
W1	=	1	х	12.50	X	6.00	=	75.00	sft								
W2	=	1	x	8.00	х	6.00	=	48.00	sft								
W3	=	15	X	3.00	х	4.00	=	180.00	sft								
		13		0.00			=	555.00	sft	(B)							
						(B)	=	2355.00	sft								
				Λ	-												
				A 2255.00	- v												
Providing and including finis	I layin hing e	g 20mn ven & si	= n thick mooth	2355.00 cement p	x olas	0.75 ter of 1:3	= = 3 mi:	1766.25 50.06 x in single	cft cum		50.06 cı	um	5399.93 /	cum	Rs	270,320.	.00
Providing and including finis	hing e	ven & s	n thick mooth	2355.00 cement p	x olas	0.75 ter of 1:3	= = 3 mi:	1766.25 50.06 x in single	cft cum		50.06 cu	um	5399.93 /	cum	Rs	270,320.	.00
including finis	hing e	ven & s	n thick mooth	2355.00 cement p	x olas	0.75  ter of 1:	= = 3 mi:	1766.25 50.06 x in single	cft cum		50.06 cu	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs	hing e t FLOC	ven & si	n thick mooth NG X	2355.00  cement pand curing	x olas g etc	0.75  ter of 1:3	= = 3 mi: olete	1766.25 50.06 x in single	cft cum e coat		50.06 cı	um	5399.93 /	cum	Rs	270,320.	.00
including finis	hing e t FLOC	ven & si OR CEILI 2	n thick mooth NG X	2355.00  cement pand curing	x olas g etc	0.75 ter of 1:3 c. all comp	= = 3 mi: olete	1766.25 50.06 x in single	cft cum e coat		50.06 cι	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs Vide Item no	hing e t FLOC	ven & si OR CEILI 2	n thick mooth NG X	2355.00  cement pand curing	x olas g etc	0.75 ter of 1:3 c. all comp	= = 3 mi: olete	1766.25 50.06 x in single  736.00 4710.00	cft cum e coat		50.06 cu	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs	hing e t FLOC	ven & si OR CEILI 2 2355	n thick mooth NG x	cement pand curing 23.00 x	x blas g etc	0.75  ter of 1:3 c. all comp  16.00 2 side	= = 3 mi: olete = = =	1766.25 50.06 x in single  736.00 4710.00 5446.00	cft cum coat sft sft sft		50.06 cu	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs Vide Item no Waist slab	hing e t FLOC	ven & si OR CEILI 2	n thick mooth NG X	2355.00  cement pand curing	x olas g etc	0.75 ter of 1:3 c. all comp	= = 3 mi: olete	1766.25 50.06 x in single  736.00 4710.00	cft cum e coat sft sft sft		50.06 cu	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs Vide Item no	hing e t FLOC	ven & si DR CEILI 2 2355	n thick mooth NG X 5.00	cement pand curing 23.00 x	x blas g etc x	0.75 ter of 1:3 c. all comp 16.00 2 side	= = 3 mi: plete = = =	1766.25 50.06 x in single	cft cum e coat sft sft sft		50.06 cu	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs Vide Item no Waist slab	hing e t FLOC	ven & si OR CEILI 2 2355	n thick mooth NG x	cement pand curing 23.00 x	x blas g etc	0.75 ter of 1:3 c. all comp 16.00 2 side	= = 3 mi: olete = = =	1766.25 50.06 x in single  736.00 4710.00 5446.00 60.00 25.00	cft cum e coat sft sft sft sft		50.06 cu	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs Vide Item no Waist slab	hing e t FLOC	ven & si DR CEILI 2 2355	n thick mooth NG X 5.00	cement pand curing 23.00 x	x blas g etc x	0.75 ter of 1:3 c. all comp 16.00 2 side	= = = = = = = = = = = = = = = = = = =	1766.25 50.06 x in single	sft sft sft sft sft		50.06 cı	um	5399.93 /	cum	Rs	270,320.	.00
including finis Ground & Firs Vide Item no Waist slab	hing e t FLOC	ven & si DR CEILI 2 2355	n thick mooth NG X 5.00	cement pand curing 23.00 x	x blas g etc x	0.75 ter of 1:3 c. all comp 16.00 2 side	= = 3 mi: plete = = =	1766.25 50.06 x in single  736.00 4710.00 5446.00 60.00 25.00	sft sft sft sft sft	-	50.06 cu		5399.93 /c			270,320. 98,416	

Toilet flooring

0.00 sqm 1721.62 /sqm Rs

0.00

13 P/L flooring with Marble stone slabs flooring of size not less than 1.0 sqm of 20 mm thick laid over 20mm average 1:4 cm thick bare laid cement concrete and joint treated with white cement, mixed with macching pigment, curing Ground Floor

1 x 32.00 x 13.00 = 416.00 sft

First Floor

1 x 32.00 x 22.00 = 704.00 sft

1 120.00 sft

104.09 sqm

14 Providing and laying flooring with Grainate Marble stone slab flooring of size not less than 1.0 sqm of 20 mm thick laid over 20 mm 1:4 cm thick bare laid cement concrete and

	Tread			12 12	×	0.50	×	5.00	-	60.00 30.00	sft sft			
	Riser			14	x	0.50	A	3.00		90.00 8.36	sft sqm	8.36 sgm	2693.12 /sqm Rs	22,52
15	Providing a	ind lay	ing w	hite or	colou	r or cerai	mic g	dazed ti	les of	size 200	mm x			
	300 mm in or equivale plaster 1:3 cement slu	ent) in (1 ce	skirti	ing, rise	rs of	steps and	d Dar	dos on 1	2 mr	n thick ce	ment			
	Dados for 1	Toilet												
				28	×	4.00	х	5.00	*	560.00	sft			
				7	×	4.00	×	5.00	=	140.00 480.00	sft sft			
				24 fi	×	4.00	×	5.00		120.00	sft			
						4.00	-	2199		1300.00	sft	(A)		
	Deduction Deduction													
		2 =		13	ж	2.50	×	7.00	=	227.50		(8)		
						(A-B)			=	1072.50		(B)		
						(M-D)			=	99.67	sqm	99.67 sqm	852.30 /sgm Rs	84,9
16	Providing/							all types	of fra	imes com	plete.			
	With impo Frames for			r from o	utsid	e the stat	e							
	1	DI +		2	×	1	×	2,00	-	4.00	rft			
		02 :		12	*	1	×	7.00	=	28.00 30.00	rft rft			
		14	TO S	12	×	2	-	7.00	-	168.00	rft			
									-	230.00	rft			
			= 2	230.00	×	0.33	K	0.25	=	18.98	cft		###### /cum Rs	22.2
									=	0.54	cum	0.54 cum	14400	33,3
17	Providing								ers, s	solid bloc	k hard		1000	33,3
17	core const	tructio decorat	n wit	h frame	of 1	class ha	rd w	ood with	ers, s	solid bloc I matched	k hard I 3 mm			33,3
17	teak ply of	tructio decorat molata mm	n wit tive t	h frame type on	of 1'	class ha face of ti	rd w he st	ood with	ers, s h well nclud	solid bloc I matched ling hinge	k hard 13 mm is with			33,3
17	teak ply of screens no Doors 38n	tructio decorat molete mm D1	n wit	h frame	of 1	class ha	rd w	ood with	ers, s	solid bloc I matched	k hard 3 mm is with sft			33,3
17	teak ply of screens no Doors 38n	tructio decorat molete mm D1	n wit tive t	h frame type on 2	of 1' one	class ha face of ti	rd w he st	ood with	ers, to well include	solid bloc I matched ling hinge 28.00	k hard 3 mm is with sft			
17	teak ply of screens no Doors 38n	tructio decorat molata mm D1	n wit tive t	h frame type on 2	of 1' one	class ha face of ti	rd w he st	ood with	ers, s h well nclud	solid bloc matched ling hinge 28.00 252.00	k hard 3 mm s with sft sft		3044.33 /sqm Rs	
	core const teak ply of serous re- Doors 38n	tructio decorat molata mm DI D2	n wit tive t = =	th frame type on 2 12 ass brigh	of 1'	class ha face of th 2.00 3.00	rd w he sh x x	7.00 7.00	ers, something the second seco	solid bloc i matched ling hings 28.00 252.00 28.00 2.60	k hard 13 mm ss with sft sft sgm	- 2.60 sqm		
	core const teak ply of screens on Doors 38n	tructio decorat molata mm DI D2	n wit tive t	th frame type on 2 12 ass brigh	of 1'	class ha face of th 2.00 3.00 shed butt	rd w he sh x x	7.00 7.00 7.00 ges with	ers, something the second seco	solid bloc matched ing hinge 28.00 252.00 2.60 2.60	k hard 13 mm is with sft sft sgm ws etc.	- 2.60 sqm		
	core const teak ply of serous re- Doors 38n	tructio decorat molata mm DI D2	n wit tive t	th frame type on 2 12 ass brigh	of 1'	class ha face of th 2.00 3.00	rd w he sh x x	7.00 7.00	ers, something the second seco	solid bloc i matched ling hings 28.00 252.00 28.00 2.60	k hard 13 mm ss with sft sft sgm	- 2.60 sqm		7,5
18	core const teak ply of serous re- Doors 38n	truction decorat ministe minis	n wit live t	th frame type on 2 12 12 nss brigh mo	of 1'	class haface of ti 2.00 3.00 shed butt	rd w he sh x x : hing	7.00 7.00 7.00 7.00 3	ers, 1 h well nclud	28.00 252.00 26.00 252.00 2.60 2.60 2.60	k hard 13 mm is with sft sft sgm ws etc.	2.60 sqm 42 nos	3044.33 /sqm Rs	7.5
18	Providing	truction decorat ministra D1 D2 & florin 31mm , fitting	n with the triple of triple of the triple of the triple of the triple of tripl	th frame type on 2 12 ass brigh mm Door oxing slic ted)	of 1'	dass haface of the community of the comm	rd w he sh x x : hing	7.00 7.00 7.00 3 ize 300	ers, 1 h well nclud	28.00 252.00 2.60 2.60 42 42 42 16mm wi	k hard 3 mm s with sft sft sgm ws etc. nos th nuts	2.60 sqm 42 nos	3044.33 /sqm Rs	7,5
18	Providing complete 125mm x	truction decorat ministra D1 D2 & florin 31mm , fitting	n with the triple of triple of the triple of the triple of the triple of tripl	th frame type on 2 12 12 iss bright mm Door ixing slik plete.	of 1'	class haface of ti 2.00 3.00 shed butt	rd w he sh x x : hing	7.00 7.00 7.00 7.00 3	ers, 1 h well nclud	28.00 252.00 26.00 252.00 2.60 2.60 2.60	k hard 13 mm is with sft sft sgm ws etc.	2.60 sqm 42 nos	3044.33 /sqm Rs	7,5
18	Providing and screw Brass (Ch.	truction decorate molecte mole	n with the tribe to the tribe to the tribe	h frame type on 2 12 12 12 10 10 10 10 10 10 10 10 10 10 10 10 10	one  x x  difficult finit	class ha face of the 2.00 3.00 shed butt 14 loor bolts	rd whe st	7.00 7.00 7.00 7.00 3 ize 300v	ers, 1 h well  = = = nneces	28.00 252.00 2.60 2.60 42 42 16mm wi	k k hard 13 mm s with sft sft sgm sgm nos nos	2.60 sqm 42 nos	3044.33 /sqm Rs 193.72 /each Rs	7.5 8.
18	Providing complete 125mm x  Providing somplete 125mm x  Praviding somplete 125mm x	truction decorate mediata minimum DI DI DI DI Sa fixin Salemm Sal	n with time to the	th frame type on 2 12 12 12 15 10 10 10 10 10 10 10 10 10 10 10 10 10	one  x x  difficult finit	class ha face of the 2.00 3.00 shed butt 14 loor bolts	rd whe st	7.00 7.00 7.00 7.00 3 ize 300v	ers, 1 h well  = = = nneces	28.00 252.00 2.60 2.60 42 42 16mm wi	k k hard 13 mm s with sft sft sgm sgm nos nos	2.60 sqm 42 nos	3044.33 /sqm Rs 193.72 /each Rs	7.5

10.8	Providing, litting complete.	a m	ong ma	naies .	123 111111	auc	World Serie		,					
	Brass (Bright finis	tris												
	71071202		loar	-	14	×	1	=		nos nos	14.00 nos	150,00 /each R	5	2,100.00
22	Providing, fitting rolled steel secti cement concrete panes with glazir 150 mm centre complete.	on jo 1:3:6 ng cli	sints m 5 includ ps and	itered a sing pro speace	and welk reiding, f al metal	sed v sting putty	with iron and fixi comple	ng 3 i ng 3 i te wi	embedde mm thick th MS gri	ed in glass Is @				
	satisfacion & Maria		1											
	Windows & Vent W1	mato	1	¥.	12.50		6.00	-	75.00	sft				
	M3		1	*	8.00	*	6.00	4	48.00	sft				
	W3		15	1	3.00		4.00		180.00	sft				
	Wa			50		-7)		-	303.00	sft				
								=	28.16	sam				
				.0	27.00	kg/	sqm		760,32	kgs	760.32 kgs	83.43 /kgs	Rs	63,433.00
	joined together with brackets ,s with fixing wire rolling shutters	ide i sprin	guides gs grad r the di	and an ie no 2	and MS of engin	ts fo	r Inside over af i n charge	and requir	outside lo red thickn implete	ess of				
	Rolling Shutter		2	ж.	9,50	*	10.00	=	190.00	sft				
									190.00	sft				
								-	17.66	kgs	0.00 sqm	2113.36 /sqm	Rs	0.00
24	3 mm thickness Total Surface A v.i.no.! Deduction of op Deduction of op	all corea 11	omplets ( gs		1 ( 1 lim	e pu	tty, 1 fin	e sam	d) with a c		(A)			
	DEGUCTION OF C	=	4	8.	3.00	×	7.00	=	84.00	in				
	02		4	*	2.50		7.00	-	70.00	sft				
	W1		1	*	8.00		6.00		48.00	sft				
	W2		1	х	6.00	. 10	6.00	-	36.00	sft				
	W3		15	*	3.00		4.00	=	180:00	sft				
	R/Shutter		2	×	9.50	×	10.00	-	190.00	sft	10000			
	1.00							*	608.00	sft	(0)			
					(A)		(8)	-	4923.00	sft sam	457.53 sqm	38.56 /sgm	RS	17,642.00
										5.3				

e 274.52 sqm = 274.52 sqm

274.52 sqm

45.47 /sqm Rs

60%

26 Providing and washing with three or more coats of snowcem, durocem,

9,142.00

12,482.00

326.51 /each Rs

28.00 nos

nos

21 Providing, fitting & fixing Handles 125 mm size with necessary screws etc.

the surface by sand papering etc.

Plastic Emulsion paints Internal wall Surface v.i.no.( 24 ) cemcote etc. of approved quality and manufacture on exterior walls to give an even shade including preparation of surface on new surface complete.

15	an even shade	including pre	paration	of surfac	e or	new su	riace	compres					
	Snowcem, dure External wall St	urface	te					177.04					
	v.i.ng.[	24 )		40%				183.01	sft.	183.01 sqm	65.89 /sqm	Rs	12,059.00
27	Providing and the surface to etc. on new loc	make smoot	h and fro	two or ee from	mor dirt	e coats is and dust	ncluc and	fing clear I sand pa	ning of pering				
	Doors v.i.no.l	17 )	-	2.60	×	2 side		5.20	sqm	5.20 sqm	321.15 /sqm	Rs	1,670.00
28	Providing & ap primer on ste surface comple	et/galvanizet	ng coat o	with read seel work	ty m ks ir	ixed Red scluding	prep	de, zincor paration	omate of the				
	v.i.no.i	23.00	. *	28.16	×	2 side	=	56.32 56.32	sqm sqm	56.32 sqm	19.45 /sqm	Rs.	1,095.00
29	Providing and with two or m the surface co	ore coats to	give an e	even and	sint smc	of appro	wed de in	quality & cluding cl	shade leaning				
	v.i.no.(	28 )					*	56.32	sqm	56.32 sqm	34.70 /sqm	Rs	1,954.00
3	0												
	Providing, fitti closet (W.Clp: fitting (40mm providing and all complete.)	on with seat a flush bend ,2 d peinting and	and lid w 100mm o I making	ith CP br verflow ; good the	ass l ripe wal	hinger, 10 with spe I and the	) lit k citas floo	ow level w including rs as req	with s				
										7.00 nos	7630.48 each	Rs	53,413.00
73	front urina sistern withC	tting fixing w leasin of size (Brackets, Gl (Cuding cuttin	flushing ng and m	5x325 mr pipe and	n wi spri od ti	th 5 litre anders	auto with	imatic flu brass umi	shing ons and				
	19	inge of two u								3.00 nos	6011.12 each	Rs	18,033.00
-	Providing fits BRACKETS, PA brass waste; complete inc , HINDWARE	NINTED ,15MI pipe lead or P luding cutting	VC conn	CP brass ection 32	cha mm	in with r dia CP B	ubbi rass	er plug, 32 cap and u	mm CP unions				
	*HINDSHIP	One washb	asin with	n two pill	air ci	ock				7,00 nos	4426.56 each	h As	30,986.00
	34												
	holes and fix	d fitting chro ed to timber	cleeats y	vith CP st	rem	s-washe	etc	all compl	ete-	7.00 nos	458.21 ead	h Rs	3,207.00
		nd fitting for AC sheet g her etc compli	round a	eled gaug and fixed	ge m	timber	cles	erior qui sts with	CP	2.00 nos	888.80 eac	h Rs	1,778.00
	36												
	Providing a	nd fitting fixir	ng procel	ain soap	tray	etccom	plete	6.		7.00 nos	545.20 eac	h Rs	3,816.00

Providing and fitting fixing towel ring of chromium platted brass and 1,872.00 fixed to timber cleats with CP screws, washer etc complete 2.00 nos 936.13 each Rs 38 Carriage of stock material beyond 10km but within 05km including loading and unloading of material within 30m lead all complete. Cement 3.69 x v.i.no.( 3 4.400 16.24 bags 1.561 3.09 bags v.i.no.( 4 ) 1.98 3.200 126.34 39.48 bags v.i.no.( 5 ) 21.53 8.000 172.24 v.i.no.( 6 v.i.no.( 11 ) 514.03 x 0.228 117.20 bags 6.67 v.i.no.( 12 ) 54.65 0.122 bags 99.67 21.23 0.213 v.i.no.( 15 ) bags 463.01 bags say 463.00 bags 231.50 Steel atls 21.53 v.i.no.( 9 ) qtls 253.03 qtls 25.30 MT 4,228.00 25.30 mt 167.10 /mt Rs Haulage Loading & Unloading 25.30 mt 153.58 /mt 3,886.00 1.369.00 253.03 qtl 5.41 /qtl Rs Head Load 39 Carriage of non stock material beyond 50km but within 60km all complete. Sand 3.69 x 0.485 1.79 cum v.i.no.( 3 v.i.no.( 4 1.98 x 1.181 2.34 cum 8.80 v.i.no.( 5 ) 0.223 bags 39.48 x 21.53 x 0.450 9.69 cum v.i.no.( 6 ) 514.03 x 0.024 12.34 cum v.i.no.( 11 ) v.i.no.( 12 ) 54.65 0.013 0.71 cum 1.50 v.i.no.( 15 ) 99.67 x 0.015 cum cum (A) 37.17 .@1.84 mt/cum 68.39 mt 5.30 5.58 x 0.950 cum v.i.no.( 2 ) 3.69 0.969 3.58 v.i.no.( 3 ) 1.98 1.189 2.35 cum v.i.no.( v.i.no.( 5 39.48 0.500 19.74 cum 21.53 x 0.882 18.99 v.i.no.( 6 ) cum 49.96 cum .@2.2 mt/cum 109.91 mt (A) + (B) (sand + stone) 178.30 mt 178.30 mt 167.10 /mt Rs 29,795.00 Haulage 7.580.00 87.13 cum 87.00 /cum Rs Loading & Unloading 11,150.00 127.97 /cum Rs Head Load 87.13 cum Provision for throwing away of excavated earth beyond 15km but within 40 20km by means of transportation all complete. Throwing away of excavated earth 34.64 cum v.i.no.( 1 )

6.93

41.57

22.10

cum

cum

cum

22.10 cum

340.21 /cum Rs

7,519.00

150,000.00

19.47 cum

Add 20% for loose volume

v.i.no.( 7 )

Deduct filling volume

41 Provision for Septic Tank.

		Total Rs	1,525,229.32
42 Sanitary Napkin Vending Machine			
a Vending Machine for Women Hygiene with electronic coin validator			150,000.00
b Packing Forwarding ,transportation and Installation charges			35,500.00
ADD CST ON item no 42 (a and b) 14.5%	14 500/		17,500.00
c Disposar of sanitary napkin to be installed inside womens toilet	14.50% on	Rs	7,685.00
ADD VAT on item no 42 (c) 5%	5.00% on		55,500.00
d Packing ,transportation and commissioning charges	5.00% On	Rs	2,775.00
			17,500.00
43			
External and internal electrification ( to be paid on actual )	12.50% on	Rs	171 002 67
		1/2	171,903.67
44 External and internal water supply and sanitation	7.50% on	Rs	103,142.20
		Rs	2,086,735.18
		Rs Rs	
		N3 N3	5. 2,086,735.18
		SAY R	5. 2,087,000.00

(Rupees Twenty Lakhs Eighty Seven Thousand ) only

Junior Engineer UD & HD Department Government of Sikkim.

Assistant Engineer UD & HD Department Government of Sikkim.









