

DETAIL ESTIMATE OF THE GUWAHATI SWACHHATA KENDRA

SEGREGATION CENTER USED BY RATES OF ALL ITEM CPWD SOR

S. No.	PARTICULAR	Measurement				QTY	UNIT	RATE	AMOUNT
		NO	L	B	D/H				
1	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (Not exceeding 1.5 mtr in width) and for shafts, wells, cesspits and the like not exceeding 1.0sqm on plan, depth upto 1.5mtr. including disposal of excavated earth upto 1 mtr from cutting edge, disposed earth is to be levelled and neatly dressed in:								
	All Kinds of soil								
				Total		90	cum		
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m								
						760	cum		
3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).								
		17	1.22	1.37	0.08	2.13			
		17	1.22	1.37	0.45	12.79			
	PLINTH BEAM	1	0.30	0.30	280.00	25.20			
		17	0.45	0.45	1.80	6.20			
				Total		46	cum		
4	Upto to Floor, Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all								
		17.00	1.22	7.00	1.58	229			
		7.00	1.37	7.00	1.58	106			
						335	kg		
	Column reinforcement								
		17	1.80	8.00	1.58	386.78			
		7	3.00	12.00	0.39	98.28			
						485	Kg		
	Beam reinforcement								
		1	140	6.00	1.00	840			
		1	980.00	1.50	0.39	573			
						1413	Kg		
5	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	Foundations, footings, bases of columns etc. for mass								
		17	5.60		0.30	28.56			
		17	1.80		1.80	55.08			
		1	70.00		1.20	84.00			
						168	sqm		
6	230 thk Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	1	90.00	1.50	0.30	40.5	cum		
7	12mm plaster (1:4) inside and outside of wall face	2	265.00	1.50		530	sqm		
8	3 coats of suitable outdoor grade paint on wall face	2	265.00	1.50		530	sqm		

S. No.	PARTICULAR	Measurment				QTY	UNIT	RATE	AMOUNT
		NO	L	B	D/H				
9	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate								
	Area	1				446			
						446	sqm		
10	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete								
11	Hot finished welded type tubes								
	MRF TRUSS								
	Main Taie	5	15.00	9.75	Kg/m	146.25			
	Bracing	3	28.37	2.54		216.14			
	Vertical Member	1	7.45	2.41		17.95			
	Main Rafter	5	8.05	8.70		350.18			
	Purline	17	23.00	8.36		3268.76			
	Tie Runner	17	30.96	8.36		4400.04			
	Base plate	17	0.15	7.85		20.02			
	Gusset Plate	17	0.15	7.85		20.02			
	BOLT	112	0.20	2.46		55.10			
	SUPPORT FRAME								
	VERTICAL - SHS 150X150	14	2.10	34.30		1008.42			
	HORIZONTAL - SHS 150X150	1	106	28.00		2968.00			
	Base plate - 10mm thick	14	0.16	157		351.68			
	M16 anchor bolt 750 mm length	112		0.18		20.16			
	Gusset Plate 8mm thick	14	0.10	62.80		87.92			
	tie beam - shs 150 x 150	1	70.00	34.20		2394.00			
	FOR CANOPY								
	SHS 80X80	1	5.50	11.50		63.25			
	Purlin 75X50	5	1.50	6.50		48.75			
	FOR CHAJJA								
	Tie - SHS 80X80	78	2.00	2.04		318.24			
	slope structure - SHS 75 X 50	2	70.00	2.04		285.60			
	FOR DOORS & GATES								
	for gate SHS 25 X 25X3	2	25.00	2.04		102.00			
	for door SHS 25 X 25X3	2	9.60	2.04		39.17			
	total weight					16182	kg		
12	75mm thick gypsum partition with proper backframe & 3 coats of finished paint in color of choice	1	440			440	sqft		
13	Galvanised wire mesh of average width of aperture 1.4 mm and nominal dia of wire 0.63 mm, vertical support wherever required	265	1.5			398	sqm		

S. No.	PARTICULAR	Measurment				QTY	UNIT	RATE	AMOUNT
		NO	L	B	D/H				
	Providing & fixing minimum (0.55mm BMT). Single length Bare Galvalume roofing sheets of trapezoidal industrial trough type (88 mm deep spaced at 200mm c/c) of approved vendor Galvalume / Zinalume alloy coated steel conform AS1397, G550, AZ150 (550 MPa minimum yield stress, 150gsm minimum coating Mass) with all fixing accessories, butyl mastic tape at joints, foam filler matching to the sheet profiled to make leakage proof joints where ever require etc. complete in all respects. Profile should be compatible to take load of solar panel.								
14	FOR ROOF & GUTTER	1	70	45		3150			
	FOR FAÇADE								
	side 1	2				450			
	side 2	2				570			
	FOR CHAJJA	1	230	2.5		575			
	FOR CANOPY	1	5	17		85			
	FOR DOOR & GATES								
	Gate	2	8.5	8		136			
	Door	2	5	9		90			
						5056	sqft		
15	25mm thick kota stone coping on brick wall using 1:4 Mortar	1	268	1		268	sqft		
16	Supplying & Erection Turbo Ventilator At Roof Top with All type Fitting, Proper Sealent Filling From All Side to Avoid water Leakage.	10.00				10.00	No		
17	Supplying & Erection Translucent Fibre Sheet for North Light Provision Under Shed. 2mm Thk Fixed With Screw and All Side Sealent Packed by proper Way for no Leakage of Water. (Size 8 x 4ft).	10.00				10.00	No		
18	PLUMBING WORK: - Costing of PVC, CPVC routes and material. (WC, Wash Basin, water inlet, Water outlet, Roof drain PVC pipe etc)	3				3	L/S		
	SANITARY FITTING: - Costing as per make n model								
19	W.C (Hind ware Make: - B.R-6800 rs)	2				2	Nos		
20	Wash basin (Hind ware Make :- 6500 Rs)	1				1	Nos		
21	CP fitting :- (Health facet, Angle valve, Wash Basin Tap, connection pipe, CP jail etc)	3				3	L/S		
22	LABOUR COST OF PLUMBING:- Charges for Toilet fitting & Service area provisioning work.	1				1	Scope		
23	PVC DOOR:- - Providing & Fixing of pvc door for servant toilet.	3				3	No		
24	TILE FLOORING & WALL:- Providing & Fixing of Tile with chemical on flooring & Wall.	581				581	Sft		
25	TILE SKIRTING:- Extra for 4" Tile skirting of same make	340				340	rft		
	ELECTRICAL								
26	Provide LT panel with complete provisioning like main cable with accessories.	1				1	NOS		
26.1	Provide 12way horizontal Schneider DB with 32A DP MCB - 1 No., 16A DP MCB - 2 NO. and 10A DP MCB - 1 No.	1				1	NOS		

S. No.	PARTICULAR	Measurment				QTY	UNIT	RATE	AMOUNT
		NO	L	B	D/H				
27	Wiring for 240 volts single phase and neutral 25/32 amps Metal clad 3 pin (IP 55) socket outlet with 25/32 amps double pole MCB in a MS enclosure of approved size and design with 4 sq.mm. PVC insulated copper conductor 1100 volts grade stranded flexible FRLS wires of approved make in concealed or surface mounted suitable size of MS conduit, including providing and fixing of 25/32 amps socket and DP MCB in MS enclosure and earthing of third pin of the socket with 4 sq.mm PVC insulated copper conductor stranded flexible "FRLS" wire.	1				1	NOS		
28	All Point wiring in 1.6mm thick 20/25mm dia Approved make MS Conduit including cost of Providing and Fixing Saddles, hangers, supports, cutting Chases and filling chases for recessed Conduiting complete as per specifications as required.								
	Primary light point controlled by One No. 6A switch	16				16	NOS		
	Secondary looped point	12				12	NOS		
	Primary light point controlled by One No.16A switch	2				6	NOS		
29	Wiring for circuit / submain along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed 1.6mm thick MS conduit as required. (For Above Item)								
	Light Finolex wiring 3X1 Sq mm	1				2200	RM		
	Power Finolex wiring 3X1.5 Sqmm	1				1200	RM		
30	Supply and fixing of legrand myrius series -snowy white modular switch socket with multistranded socket with shutter and cover plate housed in factory fabricated 16SWG ISI marked G.I. box duly recessed in wall & complete internal connections with PVC connector, joints and all fixing arrangements in all respect as per satisfaction of Engineer-In-Charge.								
	1 NO 3/5 pin 6A universal socket without switch	9				9	NOS		
	1 NO 6PIN 16A multi standard switch socket	6				6	NOS		
	modular switch plate with 4 NO switches	6				6	NOS		
	modular switch plate with 2 NO switches	6				6	NOS		
31	supply of suitable led light - minimum 11,000 lumens & one year warranty	8				8	NOS		
32	installation of lights	18				18	NOS		
33	supply of wall fan orient electric 400mm	4				4	NOS		
34	installation of wall fan	4				4	NOS		
35	Wipro garnet or syska make 15 watt surface mounted led tube light	8				8	NOS		
36	installation of above item	8				8	NOS		
	TOTAL								
						Taxes if any			
						Total			