

GOVERNMENT OF WEST BENGAL



सत्यमेव जयते

**Construction of Single storied Anganwari
Centre in plains of West Bengal for square
site having normal topography .**

OFFICE OF THE CHIEF ENGINEER

Social Sector

**PUBLIC WORKS DIRECTORATE
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Construction of Single Storied Anganwari Centre in plains of West Bengal for
Square Site having Normal Topography

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PREFACING REPORT

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Name of work: Construction of Single Storied Anganwari Center in plains of West Bengal for square site having normal topography .

Estimated Amount: Rs. 10, 91, 100. 00(Rupees Ten Lakh Ninety One Thousand One Hundred) Only for other than riverine area.

Rs. 13,91,300.00(Rupees Thirteen Lakh Ninety One Thousand Three Hundred) Only for riverine area.

Introduction :

The word Anganwadi means “ courtyard shelter” .They were started by the Indian Government in 1975 as part of the Integrated Child Development Services (ICDS) program to combat child hunger and malnutrition. It is a social service structure whose services are accessed , by infants to children about 6 years for healthy nutrition,immunization, holistic development and preschool education, by mother of an unborn child and adolescent girls for their nutrition and health checkup.

The department of Child Development & Women Development & Social Welfare , Government of West Bengal had decided to construct of Child friendly Anganwadi centers throughout the state under RIDF XXI. The concerned Secretary approached the Chief Engineer, Social Sector, P.W. Dte (vide his memo no. 2875-SW/3S-129/13 dt. 13.07.2015) with a proposal for preparation of model plan and detailed estimate for the same . Accordingly an estimate for construction of Single Storied Anganwari Center for rectangular and square shape in different geographical location and land condition were prepared from this end and submitted to Concerned Department in the year September 2015. The estimated amount for the above mention work was came to Rs. 10,17,300.00 [Rupees Ten Lakh Seventeen Thousand Three Hundred] only. Rs 12,20,760.00[Rupees Twelve Lakh Twenty Thousand Seven Hundred Sixty] Only for non reverine & reverine areas respectively.

By this time schedule of rates of P.W.D have been revised with 12% GST, on and from 01.11.2017. The said eastimate have been prepared afresh as per current PWD’s Schedule of Rates keeping the original scheme intact on basis of memo no 204/WCDSW/18 dated 20.06.2018 of The Secretary, Child Development & Women Development & Social Welfare , Government of West Bengal, addressed to The Principal Secretary , Public Works Department , Gtovernment of West Bengal.

Scope of work:

Building Works :

The proposed building is of masonry structure with brick and cement mortar. This estimate covers the probable cost for construction of the proposed building including different item of works. These are as follows;

Structural works i.e. construction of foundations, beams, brick walls, slabs, Chajja, doors, window, with plaster and other finishing works as per specification.

Sanitary and plumbing works such as of construction of urine channel, installation water closet, Sink, taps, soil pipelines, distribution pipe lines for water supply etc.

Infrastructural Works:

The following infrastructural works are, therefore, provided in this estimate;

- a) Fencing with bamboo.
- b) Construction of Internal Pathway.
- c) Construction of Campus Drain.
- d) Construction of soft Play area with Sand
- e) Turfing and plantation
- f) Sinking of hand pump

Architectural Planning :

Architectural design has been made from this end by providing child friendly spaces to develop BaLA (Building as Learning Aids) based Anganwadi .For example,child accessible cubby holes on walls are provided to display or to keep materials, child accessible writable surface are provided, sills of the windows are kept at low level and at the bottom level of window 8mm bent mild steel rods are provided with some wooden beads and toys along the length, play space is provided with sand etc. Besides the child friendly spaces the kitchen, handwash area, dishwash area, toilet , mild sloped ramp etc. are designed to fulfill the requirements of adolescent girls and women who come to Anganwadi for getting different service of Anganwadi. The present architectural plan is an aesthetic and functionally efficient plan having good configuration with simple geometry .

Brief Specification :

The following specifications are considered in preparing this estimate.

- a) Outside wall shall be of 250 mm thick brick work with 6:1 cement mortar and partition wall shall be of 125 mm thick brick work with 4:1 cement mortar .Ramp shall be of brickwork with 6:1 cement mortar .
- b) M20 concrete and Fe 500 steel shall be used for RCC work i.e. slab, beam etc.
- c) Good quality Local wood frame and panel shutter (Two Part) shall be used for all doors except toilet and hand wash where PVC frame and shutter shall be provided.
- d) Fully openable type steel window with integrated grills shall be used for all windows.
- e) 20 mm thick and 15 mm thick plaster shall be done on inside and outside respectively for one thick brick wall and 10mm thick shall be done on other concrete surfaces .
- f) The floor and skirting of the room ,kitchen and toilet shall be of Artificial stone flooring . The floor of handwash place and top of ramp shall be of chequered tiles. The handwash sink, dishwash sink and urinal channel of toilet shall be finished using ceramic tiles.
- g) Three coats of White wash shall be provided on internal walls over plastered surface .
- h) Two coats of colour wash shall be provided on external walls .
- i) Two coats of synthetic enamel paint over a coat of primer shall be provided for all doors and windows
- j) Internal plumbing lines shall be of exposed type for easy maintenance.
- k) The potable water for the user of the proposed building shall be arranged from the nearest PHE supply source.
- l) Boundary fencing shall be provided with bamboo.
- m) Internal pathway shall be made up with compacted earth.

- n) Plinth protection shall be of cement concrete.
- o) Cupboard Shutters, Hand rails, Taps
- p) Sand Play area 300 mm thk, turfing
- q) Provision of one hand pump with adapter and Water tank of 500L capacity with pipe line
Shall be considered.

Structural Design :

A) Foundation:

Shallow foundation is considered in preparing this estimate assuming type of sub-soil soft to very soft clayey soil.

B) Super Structure:

The proposed building will be masonry Structure with R.C.C roof and beams. Structural analysis & design shall be done in accordance with the relevant clauses of latest IS codes (e.g. 456, 875, SP 20).

Rates :

The Detailed Estimate is prepared as per current PWD Schedule of Rates Vol-I, Vol-II and Vol-III of the year 2017 (w.e.f 01/11/2017) with 3rd corrigendum of vol. -I dated 04.06.2018. The cost of materials and carriage varies district wise as per PWD SOR. Therefore, rate for Kolkata zone with 30KM carriage has been considered for preparation of the present estimate. For the riverine areas connected by river route and / or ferry crossing, the total cost of project is increased by 20%.

Land :

The estimate for the proposed scheme is prepared considering Normal topography and hindrance free land .

Drawing :

Refer drawing no. SS / ARCH / 99 / AUG 15 of O/O the Chief Engineer, Social Sector, P.W. Dte. with structural drawing.

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01/08/18

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Chief Engineer
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P.W.Dte.

ABSTRACT OF COST

ABSTRACT OF COST

for

Revised Estimate for Construction of Single Storied Anganwari Centre in plains of West Bengal for Square Site having normal topography.(Non-Riverine Areas.)

(1) Cost of construction of proposed Annanwari Centre. (Civil Work)	Rs.	9,50,400.00
(2) Cost for Sanitary & Plumbing works.	Rs.	70,500.00
(3) Cost for Hand Tubewell	Rs.	70,202.00
	Rs.	10,91,102.00
	say Rs.	10,91,100.00

RUPEES: TEN LAKH NINETY-ONE THOUSAND ONE HUNDRED ONLY.
(Including GST, Cess & Contingency)

JIDan
01/08/18

Executive Engineer
Social Welfare Unit
Social Sector
P.W. Dte.

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01/08/18

Superintending Engineer
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Chief Engineer
Social Sector
P.W. Dte.


ABSTRACT OF COST


for


Revised Estimate for Construction of Single Storied Anganwari Centre in plains of West Bengal for Square Site having normal topography.(Riverine Areas.)

(1) Cost of construction of proposed Annanwari Centre. (Civil Work)	Rs.	9,50,400.00
(2) Cost for Sanitary & Plumbing works.	Rs.	70,500.00
(3) Cost for Hand Tubewell	Rs.	70,202.00
	Rs.	10,91,102.00
(A)SUB TOTAL	Rs.	10,91,102.00
For Riverine areas add 20% of (A)	Rs.	2,18,220.00
GRAND TOTAL	Rs.	13,09,322.00
	say Rs.	13,09,300.00

RUPEES: THIRTEEN LAKH NINE THOUSAND THREE HUNDRED ONLY.
(Including GST, Cess & Contigency)


Executive Engineer
Social Welfare Unit
Social Sector
P.W Dte.


Superintending Engineer
Planning Circle
Social Sector
P.W. Dte.


Chief Engineer
Social Sector
P.W. Dte.

COST OF CIVIL STRUCTURAL WORKS

Detail Estimate for construction of Single Storied Anganwari Centre in plains of West Bengal for Square Site having normal topography.

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
1	P- 1/2	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.	21.00	% Cu.M.	11,927.00	2,505.00
		250 Thick Wall				
		1 X 39.000 X 0.750 X 0.675 =	19.740			
		125 thick wall				
		1 X 6.000 X 0.500 X 0.375 =	1.130			
			<u>20.870</u>			
2	P- 1/3	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.				
		(a) With earth obtained from excavation of foundation	7.00	% Cu.M.	7,754.00	543.00
		1 X 20.87 X 33.00%	6.890			
			<u>6.890</u>			
		(b) With earth obtained by fresh excavation (including cost of excavation upto 1,800 mm. depth) from land arranged by the Deptt. within a lead of 100 m.				
		Play Ground including ramp	24.00	% Cu.M.	13,718.00	3,292.00
		1 X 4.250 X 15.000 X 0.200 =	12.750			
		1 X 5.250 X 11.000 X 0.200 =	11.550			
			<u>24.300</u>			
3	P- 2/4 B	Filling in foundation or plinth by fine sand in layers not exceeding 150 mm. as directed and consolidating same by thorough saturation with water ramming complete, including the cost of supply of fine sand.				
		Play ground	19.83	%Cu.M.	1,04,841.00	20,790.00
		1 X 4.250 X 15.000 X 0.100 =	6.380			
		1 X 5.250 X 11.000 X 0.100 =	5.780			
		Floor	7.150	X 7.150 X 0.150 =	7.670	
			<u>19.830</u>			
4	P- 239/3.20	Turfing with sods furnishing and laying of the live sods of perennial turf forming Roads grass on embankment slope verges or other location.....				
		Play ground	121.50	Sq.M.	17.20	2,090.00
		1 X 4.250 X 15.000 =	63.750			
		1 X 5.250 X 11.000 =	57.750			
			<u>121.500</u>			
5	P- 14 / 1	Single brick flat soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with powdered earth or local sand.				
		Floor	67.60	Sq.M.	361.00	24,404.00
		1 X 7.150 X 7.150 =	51.120			
		Ramp	2.050	X 3.500 =	7.180	
		1 X 31.000 X 0.300 =	9.300			
		Plinth protection	<u>67.600</u>			
6	P- 47/3	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.				
		Roof	141.25	Sq.M.	24.00	3,390.00
		1 X 8.000 X 8.000 =	64.000			
		Foundation (250 wall)	1 X 39.000 X 0.750 =	29.250		
		Foundation (125 wall)	1 X 6.000 X 0.500 =	3.000		
		F Beam and Roof Beam	2 X 45.000 X 0.500 =	45.000		
			<u>141.250</u>			

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
7	P-5 / 10a	(a) Anti termite treatment to bottom surface (in case of masonry foundation and basements) and the sides (upto a height of 300 mm. from bottom) of the excavation trenches with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight at the rate of 5 Litres per sq. m. area. The work shall be carried out as per specification described in 6.2.1. of code IS-6313 (part -II) 1981. (Mode of measurement will be the plan area of foundation treated.)	32.25	Sq.m.	93.00	2,999.00
		Foundati				
		on	1	X	39.000 X 0.750	= 29.250
			1	X	6.000 X 0.500	= 3.000
						<u>32.250</u>
8	P- 34/ 22	Cement concrete with graded stone ballast (40 mm. size) excluding shuttering. Pakur Verity				
		(b) 1:4:8 proportion				
		(A) In Ground floor	2.42	Cu.m.	5,094.00	12,327.00
		Foundati				
		on	1	X	39.000 X 0.750 X 0.075	= 2.190
			1	X	6.000 X 0.500 X 0.075	= 0.230
						<u>2.420</u>
		(a) 1:3:6 proportion	5.110	Cu.m.	5,376.00	27,471.00
		Floor	1	X	7.15 X 7.15 X 0.100	5.110
						<u>5.110</u>
		Sub Total :-				<u>5.110</u>
9	P-26 /10	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. (consider 30 km carriage from Railway stack yrd.)				
		a) Pakur Variety				
		GROUND FLOOR	15.01	Cu.M.	6,206.55	93,160.00
		Roof	1	X	8.000 X 8.000 X 0.125	= 8.000
		plinth				
		beam	1	X	45.000 X 0.250 X 0.250	= 2.810
		Floor				
		Beam	2	X	7.500 X 0.250 X 0.250	= 0.940
		Bed				
		Block	8	X	0.500 X 0.250 X 0.150	= 0.150
		Lintel	1	X	45.000 X 0.250 X 0.150	= 1.690
		Chajja	1	X	32.000 X 0.450 X 0.075	= 1.080
		Seal				
		Level				
		Slab	1	X	10.000 X 0.450 X 0.075	= 0.340
						<u>15.010</u>
10	P- 42 / 36	Hire and labour charges for shuttering with centring 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, columns, lintels curved or straight including fitting, fixing and striking out after completion of works. (upto roof of ground floor)				
		(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	132.00	Sq.M.	335.00	44,220.00
		Roof	1	X	8.000 X 8.000 X 1	= 64.000
		Plinth				
		Beam	1	X	45.000 X 0.250 X 2	= 22.500
		Floor				
		Beam	2	X	7.500 X 0.250 X 2	= 7.500
		Bottom				
		of Floor				
		beam	2	X	7.000 X 0.250 X 1	= 3.500
		Seal				
		Level				
		Slab	1	X	10.000 X 0.450 X 1	= 4.500
		Lintel	1	X	45.000 X 0.150 X 2	= 13.500
		Chajja	1	X	32.000 X 0.500 X 1	= 16.000
						<u>131.500</u>

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
11	P- 43/ 40	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 proper position and binding with 16 gauge black annealed wire at every inter-section, complete as per drawing and direction.				
		(i) Tor steel/Mild steel				
		(a) For works in foundation, basement and upto roof of ground floor / upto 4m.	1.551	MT	67,346.88	1,04,439.00
		Roof & Seal Level Slab& Chajja Plinth Beam Lintel	9.420 X 3.900 1.690	X	1% 2% 1.50%	= 0.739 = 0.612 = 0.199 <u>1.551</u>
12	P- 15 / 8	Brick work with 1st class bricks in cement mortar (6:1)				
		(a) In foundation and plinth	17.00	Cu.M.	5,413.00	92,021.00
		250 thick wall Foundation	1	X	38.600 X 0.625 X 0.15	= 3.620
			1	X	38.600 X 0.500 X 0.15	= 2.900
			1	X	38.600 X 0.375 X 0.15	= 2.170
			1	X	38.600 X 0.250 X 0.15	= 1.450
		GL to PL	1	X	38.600 X 0.250 X 0.35	= 3.380
		125 thick wall Foundation	1	X	6.000 X 0.375 X 0.15	= 0.340
			1	X	6.000 X 0.250 X 0.15	= 0.230
		GL to PL	1	X	6.000 X 0.250 X 0.35	= 0.530
		Ramp	2	X	2.500 X 0.250 X 0.30	= 0.380
			1	X	4.050 X 0.250 X 0.60	= 0.610
			4	X	2.500 X 0.600 X 0.30	= 1.800
						<u>17.410</u>
		(b) In superstructure, ground floor	24.00	Cu.M.	5,636.00	1,35,264.00
			1	X	38.600 X 0.250 X 2.90	= 27.990
		For urinal channel	2	X	2.500 X 0.250 X 0.30	= 0.380
		Less W1	6	X	1.200 X 0.250 X 1.35	= -2.430
		W2	3	X	0.900 X 0.250 X 1.20	= -0.810
		Less D1	1	X	1.200 X 0.250 X 2.10	= -0.630
		D2	1	X	1.000 X 0.250 X 2.10	= -0.530
						<u>23.970</u>
13	P-16 / 16	125 mm. thick brick work with 1st class bricks in cement mortar (4:1) in ground floor.				
		Ground Floor	24.00	Sq.M.	736.00	17,664.00
			1	X	6.000 X 2.900	= 17.400
		Perapet	2	X	8.000 X 0.300	= 4.800
			2	X	8.000 X 0.300	= 4.800
		Less for door D3	2	X	0.750 X 2.100	= -3.150
						<u>23.850</u>

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
14	P-17/21	(a) 75 mm. thick brick work with 1st class bricks set in sand, cement mortar (4:1) in ground floor including H.B. netting in every alternate layers.				
		Ground Floor	10.00	Sq.M.	504.00	5,040.00
		1 X 2.050 X 2.90	=		5.950	
		Slab Support 4 X 1.200 X 0.75	=		3.600	
					<u>9.550</u>	
15	P-47 / 1	25mm. thick damp proof course with cement concrete with stone chips (1:1.5:3) [with graded 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 NO 60, polymer based paint as per item 59 (a) of Section (C)]	10.00	Sq.M.	190.00	1,900.00
		1 X 37.075 X 0.250	=		9.270	
		1 X 3.800 X 0.125	=		0.480	
					<u>9.750</u>	
16	P- 189/ 1	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or rougening of concrete surface, including throating, nosing and drip course where necessary (ground floor)				
		(i) With 6:1 cement mortar				
		(b) 20 mm. thick plaster(Internal)				
		Ground Floor	168.000	Sqm	175.00	29,400.00
		Hall 2 X 4.200 X 2.900	=		24.360	
		2 X 5.900 X 2.900	=		34.220	
		Toilet 2 X 2.700 X 2.900	=		15.660	
		2 X 2.000 X 2.900	=		11.600	
		Kitchen 2 X 2.700 X 2.900	=		15.660	
		2 X 2.900 X 2.900	=		16.820	
		Dish Wash 2 X 3.350 X 2.900	=		19.430	
		Verandah 1 X 3.750 X 2.900	=		10.880	
		2 X 2.350 X 2.900	=		13.630	
		Parapet 2 X 15.500 X 0.450	=		13.950	
		LessD1 1 X 1.200 X 2.100	=		-2.520	
		D2 1 X 1.000 X 2.100	=		-2.100	
		D3 2 X 0.750 X 2.100	=		-3.150	
					<u>168.440</u>	
		(c) 15 mm. thick plaster(External Wall)				
		Ground Floor	102.000	Sqm	151.00	15,402.00
		1 X 8.000 X 3.60	=		28.800	
		1 X 8.000 X 3.60	=		28.800	
		1 X 2.500 X 3.60	=		9.000	
		1 X 8.000 X 3.60	=		28.800	
		1 X 2.825 X 3.60	=		10.170	
		Parapet 2 X 15.500 X 0.30	=		9.300	
		Less W1 6 X 1.200 X 1.350	=		-9.720	
		W2 3 X 0.900 X 1.200	=		-3.240	
					<u>101.910</u>	
		(ii) With 4:1 cement mortar				
		(c) 10 mm. thick plaster				
		Ground Floor	104.000	Sqm	133.00	13,832.00
		Hall 1 X 4.200 X 5.900	=		24.780	
		Toilet 1 X 2.700 X 2.000	=		5.400	
		Kitchen 1 X 2.700 X 2.900	=		7.830	
		Verandah 1 X 3.750 X 2.300	=		8.630	
		Dish Wash 1 X 1.650 X 2.100	=		3.470	
		Chajja 2 X 8.000 X 1.075	=		17.200	
		2 X 8.000 X 1.075	=		17.200	
		Roof Prijection 2 X 16.000 X 0.600	=		19.200	
					<u>103.710</u>	

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
17	P-192 / 1	Labour for chipping of concrete surface before taking up plastering work G.F. - Area of 10 mm thick plaster	104.000 = 104.000	Sqm	21.00	2,184.00
18	P- 48 / 6	Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @1.75 kg./sq.m. all complete including all materials and labour. 3 mm. thick topping with ordinary cement. (ii) 25 mm. thick; In Ground floor.				
			55.000	Sqm	273.00	15,015.00
		Hall 1 X 4.200 X 5.900	= 24.780			
		Toilet 1 X 2.700 X 2.000	= 5.400			
		Kitchen 1 X 2.700 X 2.900	= 7.830			
		Verandah 1 X 3.750 X 2.300	= 8.630			
		Dish 1 X 1.650 X 2.100	= 3.470			
		Wash 1 X 1.600 X 2.750	= 4.400			
			<u>54.510</u>			
19	P- 192 / 15	Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc. 2 X 16.000 X 0.750	24.000 = 24.000	Sqm	34.00	816.00
20	P- 114 / 1	Wood work in door and window frame fitted and fixed complete including a protective coat of painting at the contact surface of the frame. Local wood Ground Floor Door D1 1 X 5.600 X 0.100 X 0.0750 D2 1 X 5.200 X 0.100 X 0.0750 W1 6 X 6.300 X 0.100 X 0.0750 W2 3 X 5.100 X 0.100 X 0.0750	0.480 0.042 0.039 0.284 0.115 <u>0.480</u>	Cu.M.	83,218.00	39,945.00
21	P-117 / 1	Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings. In ground floor. (In case of non-supply of single plank, penal rate of reduction of 20% will be made) (iii) 35mm thick shutters with 19mm thick panel of size 30to 45 Cm. © other local wood	17.580	Sqm	1,778.00	31,257.00
		D1 1 X 1.200 X 2.100	= 2.520			
		D2 1 X 1.000 X 2.100	= 2.100			
		W1 6 X 1.200 X 1.350	= 9.720			
		W2 3 X 0.900 X 1.200	= 3.240			
			<u>17.580</u>			

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
22	P-116 / 5	Supplying, Fitting & Fixing Factory made prelaminated P.V.C. door frame of size 50 mmx47 mm with a wall thickness of 5 mm, made out of extruded 5 mm Prelaminated PVC sheet miter cut at two corners and joined with two nos of 1.5 mm long brackets of 15 mm x15 mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 mmx 19 mm M.S. Square tube of 19 gauge, weather seal to be provided through out the frame. The door frame shall be fixed with the wall using 65/100 mm M.S. Screws through the frame by using P.V.C fasteners. A minimum of 4 Nos of screws to be provided for each vertical member and minimum 2 Nos for horizontal member etc. complete as per Manufacturer's specification and direction of Engineer-in-Charge.	10.000	m	385.00	3,850.00
23	P-125 / 15	Supplying, Fitting & Fixing 30 mm thick both side prelaminated Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th., 20 mm wide cross PVC sheet as gap insert for top rail and bottom rail sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th. x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete excluding all necessary hardwares as per direction of Engineer-in-Charge. In ground floor.	3.150	Sqm	1,943.00	6,120.00
24	P-76/ 10	(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.	1.814	Qntl.	9,888.00	17,941.00
		Ground Floor				
		Window				
		W1	6	X	1.20 X 1.35 =	9.720
		W2	3	X	0.90 X 1.20 =	3.240
						12.960
				@ 14 Kg/ Sqm	=	1.814
25	P- 140 / 4	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost of concrete will be paid separately) (a) 40mm X 6mm, 200mm Length	56.00	Each	25.00	1,400.00
26	P- 140 / 5	Iron butt hinges of approved quality fitted and fixed with steel screws, with ISI mark. (viii) 100mm. X 75mm. X 3.50mm.	62.00	Each	66.00	4,092.00
27	P- 144 / 26	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: (ix) 300mm long x 10mm dia. bolt.	22.00	Each	99.00	2,178.00
28	P- 145 / 28	Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 2681/66) fitted and fixed complete. (iii) 300mm x 16mm dia. bolt.	4.00	Each	231.00	924.00

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
29	P- 145 / 30	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (a) With continuous plate base (hexagonal/round rod) (vi) 150 mm grip x 10mm dia rod.	26.00	Each	97.00	2,522.00
30	P- 150 / 15	125mm long wooden buffer block . Sal Malaysian	22.00	Each	52.38	1,152.00
31	P- 212 / 21	Supplying, fitting and fixing UPVC pipes A - type and fittings conforming to IS:13592-1992 with necessary clamps nails including making holes in walls, etc. and cutting trenches in any soil, through masonry concrete structure etc. if necessary and mending good damages including jointing with jointing materials (Spun yarn, valamoid / bitumen / M. seal etc.) complete. A) UPVC Pipes (ii) 110 mm. Dia. 2 X 3.30 = $\frac{6.60}{6.60}$	6.60	Mtr	251.00	1,657.00
		A) UPVC fittings d) Sho (ii) 110mm	2.000	Each	111.00	222.00
		c) Bend 87.5 degree (ii)110mm	2.000	Each	140.00	280.00
32	P- 200 / 1	(b) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smooth ening surfaces by sand papering etc. Steel window 12.96 X 1.00 = $\frac{12.96}{12.960}$	12.96	Sqm	29.00	376.00
		(a) Priming one coat on timber, plastered surface with synthetic oil bound primer of approved quality including smooth ening surfaces by sand papering etc. Paneled door 17.58 X 2.60 = $\frac{45.71}{45.708}$	45.71	Sqm	38.00	1,737.00
33	P- 200 / 2	(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 : With super gloss (hi-gloss) - (a) On timber or plastered surface : (iv) Two coats (with any shade except white) (b) On steel or other metal surface : (ii) Two coats (white any shade except White)	45.71	Sqm	81.00	3,702.00
			12.96	Sqm	79.00	1,024.00
34	P-194 / 1	White washing including cleaning and smoothening surface thoroughly. (c) Three coats (on new works only).	272.00	%Sqm	2,001.00	5,443.00
35	P-197 / 15	Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (plastered or concrete surface) as per manufacturer's specification. (ii) External surface (Ground floor) (iii) Two coats.	102.00	Sq.M	49.00	4,998.00

Sl.no	P/I No.	Description of works	Quantity	Unit	Rate	Amount (Rs.)
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36 P-64 / 35 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.

(A) Floor

With Sand Cement Mortar (1:4) 20 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

2	X	2.50	X	0.25	=	1.250			
1	X	2.50	X	0.70	=	1.750			
						<u>3.00</u>			

37 P-40 / 28 Precast pierced concrete jally work as per design and manufacturer's specification including moulding etc. with stone chips and necessary reinforcement shuttering complete including fitting, fixing in position in all floors.

(b) 37.5 mm thick panels

6	X	1.20	X	0.60	=	4.320	Sqm	312.00	1,348.00
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38 P-74 / 46 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]

25 mm thick

						9.23	Sqm	480.00	4,430.00
Ramp	1	X	2.05	X	3.50	=	7.180		
hand wash	1	X	2.05	X	1.00	=	2.050		
						<u>9.23</u>			

39 P- 212 / 19 Galvanised Iron pipe outlet for water with bevelled end at outlet, supplied fitted and fixed complete including painting two coats to the exposed portion.

(c) 40 mm. Dia.

12.00	Mtr.	289.00	3,468.00
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40 P- 269/ 1 Hire and labour charges for 75 mm dia bamboo railing on Jhau/Eucalyptus or other approved timber/bamboo posts 1.4 m above G.L and 0.60 m below G.L including tying strongly with coir ropes and boring holes for posts in any soil/ concrete surface/Bituminous surface packing the sides etc including cost of carriage of all materials and labour complete including cost of restoration to the damages of the ground to its original condition as per direction of Engineer in charge after removing the barricade. (Cost of restoration would be paid separately.).

(b) 75mm. dia bamboo railing & 100mm. dia bamboo posts @ 1.40m. apart.

(i) Railing with 4 rows.

60.00	Mtr.	57.00	3,420.00
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(A) Total	8,15,919.00
Add 12% GST on (A) =	97,910.00
(B) Sub -Total =	9,13,829.00
Add 1% Cess on (B)=	9,138.00
Add 3% Contingency on (B) =	27,415.00
GRAND TOTAL =	9,50,400.00

Rupees Nine Lakh Fifty Thousand and four hundred only.

[Signature]
01/08/18

Executive Engineer
Social welfare Unit
Social Sector
P.W Dte.

[Signature]
01/08/18

Superintending Engineer
Planning Circle
Social Sector
P.W. Dte.

COST OF SANITARY AND
PLUMBING WORKS

Revised Estimate of S&P works for construction of Single Storied Anganwari Centre in plains of West Bengal for Square Site having normal topography.

S&P Works

Sl No.	It. No	Description of Items	Quanti	Unit.	Rate		Amount	
			ty		Rs.	P.	Rs.	P.
1	<u>p-88</u> <u>3</u>	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 100 mm. thick R.C.C. (1:1.5:3) top slab with necessary fittings, 20 mm 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 (A) With Pakur variety.(SAIL/TATA/RINL) (i) For 10 users	1.00	Each	36973		36973.00	
2	<u>p-37</u> <u>6</u>	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (a) 500 litre capacity	1.00	Each	2584.00		2584.00	
3	<u>p-37</u> <u>10</u>	Labour for hoisting plastic water storage tank. (i) Upto 1500 litre capacity. (a) Upto 1st story from G.L.	1.00	Each	96.00		96.00	
4	<u>p-38</u> <u>13</u>	Labour for punching hole in plastic water storage tank upto 50 mm dia.	3.00	Each	19.00		57.00	
5	<u>p-6</u> <u>It. 7</u>	Supplying, fitting and fixing bibs cock or stop cock. (f) (ii) Polythene Bib Cock / Stop Cock with plastic inlet (EMCO / ATLAS or equivalent) i) 15 mm	10.00	Each	89.00		890.00	
6	<u>p-12</u> <u>It.</u> <u>19(1)</u>	Supplying, fitting and fixing PVC pipes of approved makeof (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 accesories, specials. Payment for painting will be made seperately)						
		(a) For Exposed Work						
		PVC Pipes						
		(Dia)						
		15 mm	18.00	Mtr.	101.00		1818.00	
		25 mm.	14.00	Mtr.	177.00		2478.00	
		32 mm.	12.00	Mtr.	236.00		2832.00	

Sl No.	It. No	Description of Items	Quantity	Unit.	Rate		Amount	
					Rs.	P.	Rs.	P.
7	p-79 It. 4	Supplying, fitting and fixing Orissa 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) (ii) 530 mm X 410 mm	1.00	Each	1522.00		1522.00	
8	p-60 It. 1	Supplying, fitting & fixing Cast iron soil pipe only conforming to I.S. 3989 / 2009 and I.S. 1729/2002 with bobbins, nails etc. including making holes in the wall, floor etc. and cutting trenches etc. in any floor through masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete. (Measurement will be made along the center line of the total pipe line in fitted condition including specials, payment for specials & Painting will however be paid separately). (a) With valamoid joints including sealing with sand cement mortar (4:1) upto quarter depth. (ii) 100 mm dia. (internal)	10.00	Mtr.	688.00		6880.00	
9	p- 65/66 It. 14	Supplying, fitting and fixing cast iron 'P' or 'S' trap conforming to I.S. 3989 / 2009 and 1729 / 2002 including lead caulked joints and painting two coats to the exposed surface. (Painting to be paid separately.) A) P' trap iii) 100 mm.	1.00	Each	948.00		948.00	
10	L/S	Buster pump for uplifting water from hand tubewell to over head storage tank	1	Each	1000.00	L.S.	1000.00	
11	p-53 It. 11	Supplying, fitting and fixing check valve (vertical) G.M. tested to 21 kg per sq. cm. (v) 40 mm	1.00	Each	848.00		848.00	
12	p-5 It. 5	Supplying, fitting and fixing gunmetal wheel valve of approved brand and make tested to 21 kg per sq. cm. (for water lines only). (v) 40 mm	1.00	Each	1590.00		1590.00	
					(A) TOTAL =		Rs.60,516.00	
					Add 12% GST on (A)=		Rs.7,262.00	
					(B) SUB TOTAL=		Rs.67,778.00	
					Add 1% Cess on (B) =		Rs.678.00	
					Add 3% Contingency on (B)		Rs.2,033.00	
					GRAND TOTAL		Rs.70,500.00	

Reupees Seventy thousnd five hundred only)

X/Dona
01/08/18

Executive Engineer
Social welfare Unit
Social Sector
P.W Dte.

Subh
01/08/18

Superintending Engineer
Planning Circle
Social Sector
P.W. Dte.

COST OF HAND TUBE WELL

Estimate For The work of " Sinking of ONE no Hand Tube -Well (By Water -Jet System)

Sl. Ref:	Description of Item	Qty.	Unit	Rate	Amount
1	(p-49 / 1 Labour for boring tube well of required dia. by water jet system through any type of soil strata including hire and labour charges for boring pipes, scaffolding, tools and plants as necessary and taking out them and lowering pipes, strainers, blind pipe etc. and fitting and fixing the same complete including bucket washing and other incidental works in the connection. The tube well should have a minimum 50 mm gap in between the outside of the tubewell pipe and the bore. (a) For depth upto 150 metre (i) 40 mm dia. boring etc.	95.00	metre	90.00	8550.00
2	p-102 /1 Supply of G. I. pipes of TATA make including necessary sockets e) 40 mm dia. ii) Medium quality	1.00	metre	291.00	291.00
3	p-12 19(iii) 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, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder batsclamps, 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 separately)	69	each	292.00	20148.00
4	P-52 6 Supplying PVC strainer of approved make with adapter conforming to I.S.12818 specifications. (i) 40 mm dia..	15.0	meter	293.00	4395.00
5	P-53 10 Supplying, fitting and fixing plug of approved make conforming to I.S specifications. (i) 40 mm Dia	1	each	51.00	51.00
6	P-53 9 Supplying, fitting and fixing steel cutter piece upto 450 mm long with sockets. (i) 40 mm Dia	1	each	124.00	124.00
7	p-55 23 Collecting sample of water for bacteriological and chemical test from any depth at any time during execution of work including hire and labour charges for tools and plants and sterilising the equipments, paying all charges and fees, testing etc. complete in all respect as per direction. : 1 item.	1	L.S.	1231.00	1231.00
8	p-56 29 Geophysical investigation of the aquifer by electrologging system with all tools and plants as necessary including supply of necessary report	2.00	each test	8247.00	16494.00
9	Supplying, fitting and fixing popular Maya pump no-6 or similar. i) For 40 mm dia. tube well	1.00	each	1596.00	1596.00

10	Bld.Sc h P-15, It-8	Brick work with 1st class bricks in cementmortar (6:1) For water Tank placing (a) In foundation and plinth	0.50	cum	5413.00	2707.00
11	P-14, It-1	Single Brick Flat Soling of picked jhama bricks including rramming and dressing bed to proper level and filling joints with local sand.	2.50	Sqm	361.00	903.00
12	P-26, It-12	Cement concrete with graded stone ballast (40 mm. size) excluding shuttering.(A) Pakur Verity (a) 1:3:6 proportion	0.50	cum	5376.00	2688.00
13	P- 48 It- 6	Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @1.75 kg./sq.m. all complete including all materials and labour. (ii) 25 mm. thick;	4.00	sqm	273.00	1092.00
					Total	60270.00
Add 12%GST on Rs. 60270.00					=	7232.00
Sub Total:					=	67502.00
Add 1% Cess on Rs. 67502.00					=	675.00
Add 3% Contingency on Rs. 67502.00					=	2025.00
					GRAND TOTAL	70202.00
Rupees Seventy Thousand Two Hundred and Two only.						

N. Das
01/08/18
Executive Engineer
Social Welfare Unit
Planning Circle
P. W. Dte
negative
Legal

Guler
01/08/18
Superintending Engineer
Planning Circle
Social Sector, P.W. Dte.
Govt. of West Bengal

REQUISITION



GOVERNMENT OF WEST BENGAL
 Women & Child Development Dept. and Secy. to Govt.
 Bikash Bhawan, North Block, 101, Fl. 2, Sadak, New Delhi-110002

Date: 20.06.2018

No. 204/WCDSW/18

From: Sanghamitra Ghosh,
 Secretary to the Dept. of WCDSW
 Government of West Bengal

To: Principal Secretary,
 Public Works Department,
 Government of West Bengal

Sir,
 Your kind attention is drawn to the fact that the Government of West Bengal is planning to construct all the AWCs with architectural and structural drawing for as indicated in the schedule of rates attached herewith for the different geographical terrain within this state for the period 2018-19. The schedule of rates is in the form of letter No. 1769-14BrRIDE-XXI dated 04.09.2015.

Sl. No.	Name of Work	Estimated amount to be paid for revenue area	Estimated amount for revenue area
1	Construction of single storied AWC in plains for square site having normal topography.	Rs. 10,17,500.00	Rs. 1,29,760.00
2	Construction of single storied AWC in plains for rectangular site having normal topography.	Rs. 10,15,500.00	Rs. 1,18,600.00
3	Construction of single storied AWC in plains for square site at low land or newly filled up land.	Rs. 12,20,200.00	Rs. 14,64,240.00
4	Construction of single storied AWC in plains for rectangular site at low land or newly filled up land.	Rs. 11,63,600.00	Rs. 13,96,320.00
5	Construction of single storied AWC in Hilly areas for square sites.	Rs. 12,24,500.00	-----
6	Construction of single storied AWC in Hilly areas for rectangular sites.	Rs. 12,51,500.00	-----

The State Government plans to construct all the AWCs which are not housed in their own building within five years commencing from 2018-19. Funds of various departments including RIDF will be available for this purpose. It is reported that currently the schedule of rates has been revised by the competent authority for the construction works under PWD.

I am to request you to kindly arrange to get the detailed estimates prepared as per the current schedule of rates for all the works as indicated above, keeping the architectural and structural design same, following the BaLA-I child friendly AWC model, and share them with this Department.

This may kindly be treated as urgent.

Yours faithfully,

 (Sanghamitra Ghosh)
 Secretary

Govt. of West Bengal
 Executive Engineer
 Social Welfare Unit
 Planning Circle
 Social Sector, P.W. Div.
 Receipt No. 90
 Date 6/8/15
 File No. 26

GOVERNMENT OF WEST BENGAL

Child Development Department and Women Development & Social Welfare Department
 Bikash Bhavan, North Block, 10th Floor, Salt Lake City, Kolkata - 700 091
 No.2875-SW/3S-129/13 Dated. 13.07.2015

From : Smt Roshni Sen, IAS
 Secretary to the Govt. of West Bengal

Office of the Chief Engineer
 Social Sector
 P.W. Directorate
 Govt. of West Bengal
 Date of Receipt 5/8/15
 File No. 5708/15

To: The Chief Engineer
 Social Sector, PWD, West Bengal
 N.S. Building, 1, K.S. Roy Road,
 Kolkata-700001

Sir,

Kindly note that the State Govt. in the Department of CD&WD&Social Welfare has taken initiatives for construction of child friendly Anganwadi Centres in pursuance of the National Guidelines and discussions with National technical experts. They have suggested some recommendations and modifications in the prevailing design of AWCs which have been prepared earlier by your office. I would like to mention here that Finance Department has allocated Rs.50.00 crores vide Memo No.FS-80/2015 dated 23.06.2015 for the purpose of construction of AWCs under RIDF-XXI during the financial year 2015-16 and NABARD will sanction the projects on the basis of estimated cost to be prepared by PWD (Social Sector) as per current SOR.

In this connection, I would request you to prepare the model plan and design with estimate within Rs.7.73 Lakhs as per current SOR for construction of child friendly AWCs taking into consideration of the recommendations of the technical experts. The recommendations containing the suggestions given by the technical experts of Vinyas society of New Delhi and UNICEF Office for West Bengal are enclosed as a ready reckoner.

WD & SW Dept. No. 1394 (2)/34B Dt-5-8-15.
 Social Welfare Unit

It is requested to attend one day training programme to be held on 7.8.15 at ATI, Salt Lake from 10.00 AM. Yours faithfully,
 5.00 P.M. in this matter. He is also requested to prepare plan & estimate as desired by Secretary, CD Dept. and

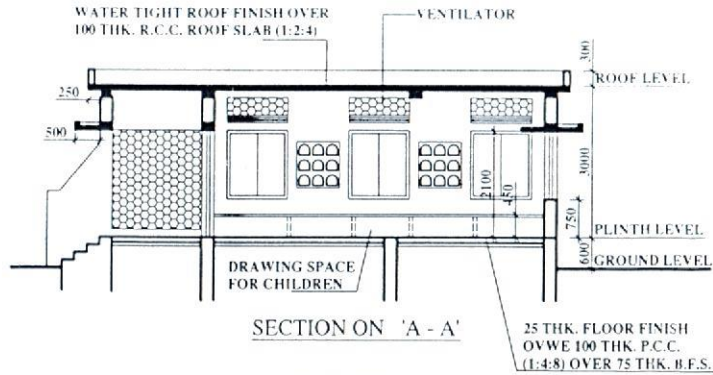
Encl: As stated

Secretary
 Chief Engineer
 Social Sector
 P.W. Directorate
 Govt. of West Bengal

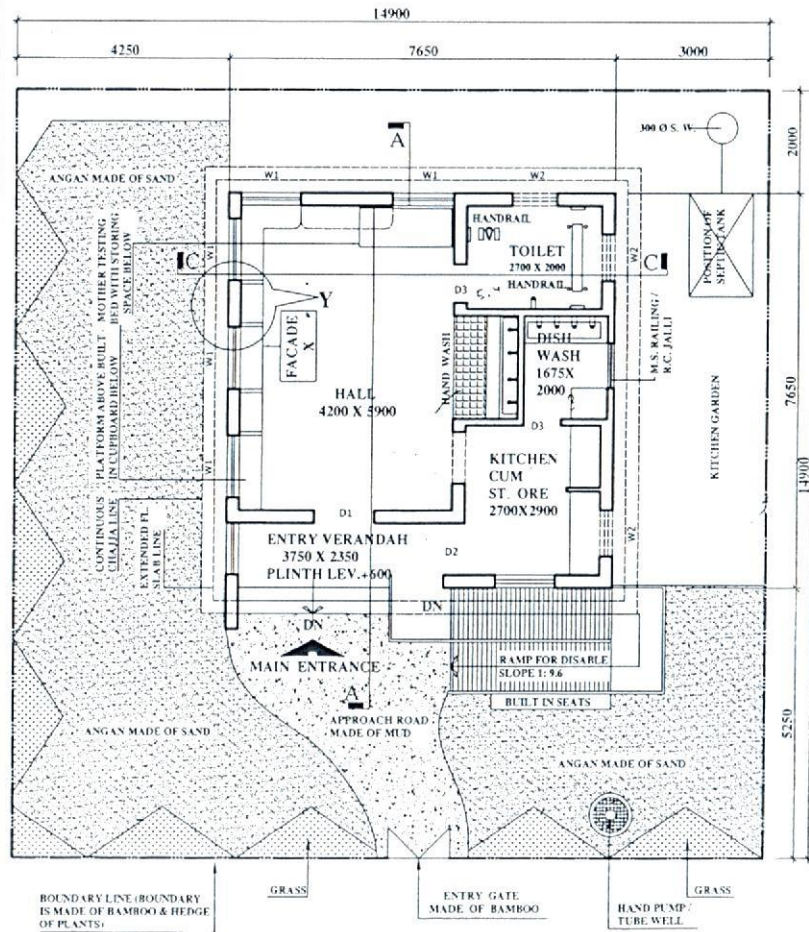
ARCITECTURAL AND
STRUCTURAL DRAWINGS



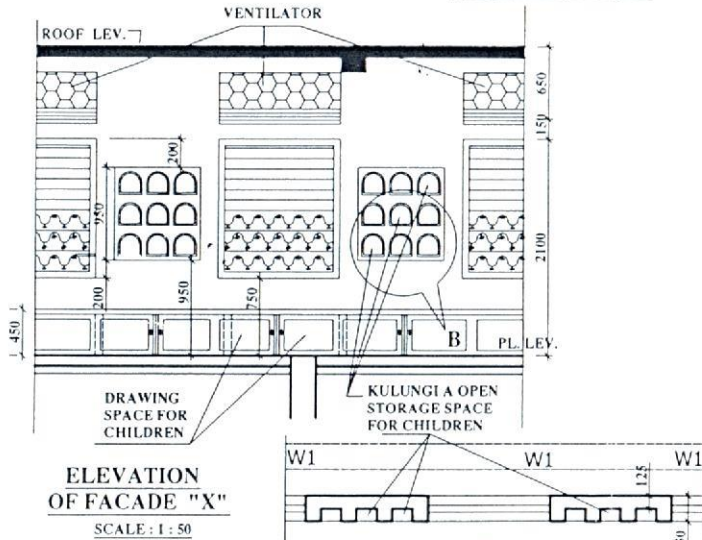
FRONT ELEVATION



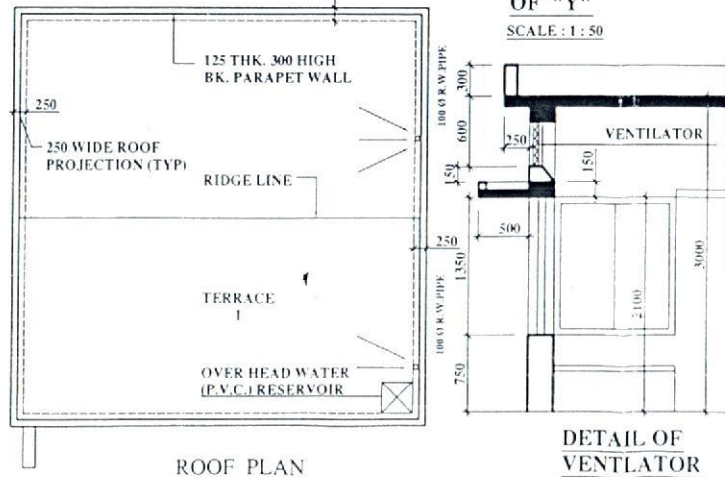
SECTION ON 'A - A'



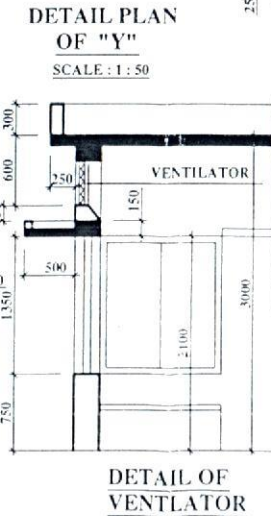
GROUND FLOOR PLAN FOR SQUARE & NORMAL SITE



ELEVATION OF FACADE "X"
SCALE : 1 : 50



ROOF PLAN



DETAIL OF VENTILATOR
SCALE : 1 : 50

COPY RIGHT: SHEET NO. 1 OF 1

THIS DRAWING MUST NOT BE TRACED OR ALTERED OR REPRODUCED WITHOUT THE PERMISSION OF CHIEF ENGINEER, SOCIAL SECTOR, P.W.D.E. W.B.

NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. ANY EXISTING LEVEL, POSITION OF WALL, OPENING SIZES ARE TO BE CHECKED AT SITE.
4. IN CASE OF ANY DISCREPANCY IN DRAWING, REFER TO OFFICE OF THE C.E., S.S., P.W. DTE.
5. ORIENTATION OF BUILDING AND NORTH LINE ARE TO BE CHECKED AT SITE.

AREA STATEMENT

GROUND FLOOR AREA = 58.50 SQ.M. = 6.30.0 SQ.FT.

SCHEDULE OF DOORS

TYPE	WIDTH	HEIGHT	DESCRIPTION
D1	1200	2100	DOUBLE LEAF PANNEL DOOR WITH TWO PARTS
D2	1000	2100	DOUBLE LEAF PANNEL DOOR WITH TWO PARTS
D3	750	2100	SINGLE LEAF PANNEL DOOR IN TWO PARTS (MAY BE P.V.C)

SCHEDULE OF WINDOWS

TYPE	WIDTH	HEIGHT	DESCRIPTION
W1	1200	1350	OPENABLE WOODEN WINDOW
W2	900	1050	OPENABLE WOODEN WINDOW
W3	1200	AS PER SITE	VENTILATOR BELOW SOFT OF THE BEAM

OFFICE OF THE CHIEF ENGINEER
SOCIAL SECTOR, PUBLIC WORKS DIRECTORATE
GOVERNMENT OF WEST BENGAL

PROPOSED ONE STORIED ANGANWADI CENTER
FOR SQUARE & NORMAL SITE OF ALL OVER
WEST BENGAL.

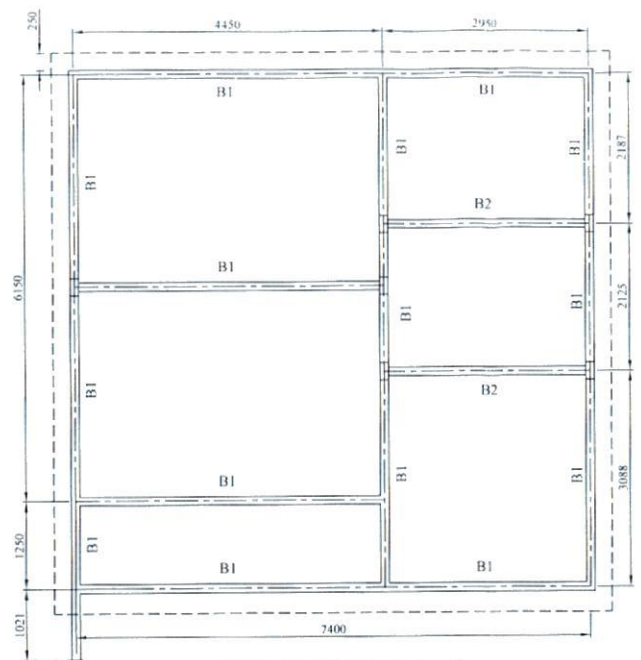
SCHEME DRAWING
PLANS, ELEVATION,
SECTION & OTHER DETAIL



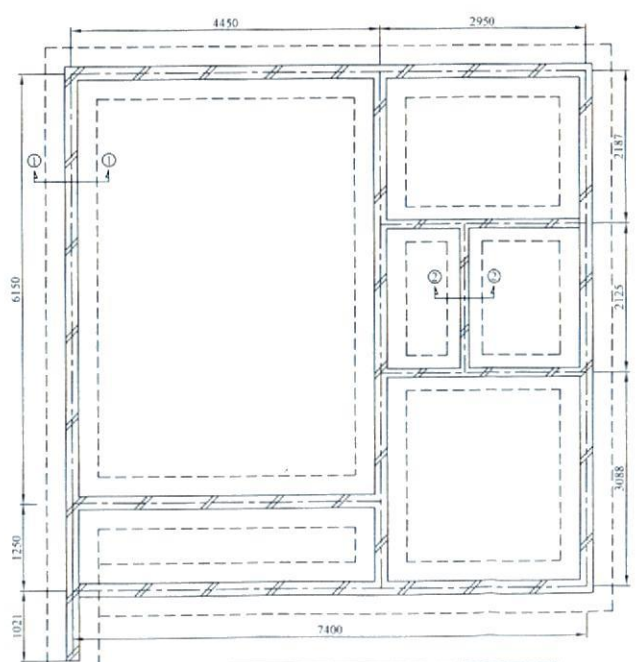
SCALE 1:100
G. SUSAN PA
DRAWN BY

A Kundu 27.08.15
ASSISTANT ARCHITECT

Boni Biswas Paul
BONI BISWAS PAUL
SUPERINTENDING ARCHITECT
27.08.2015



FLOOR BEAM

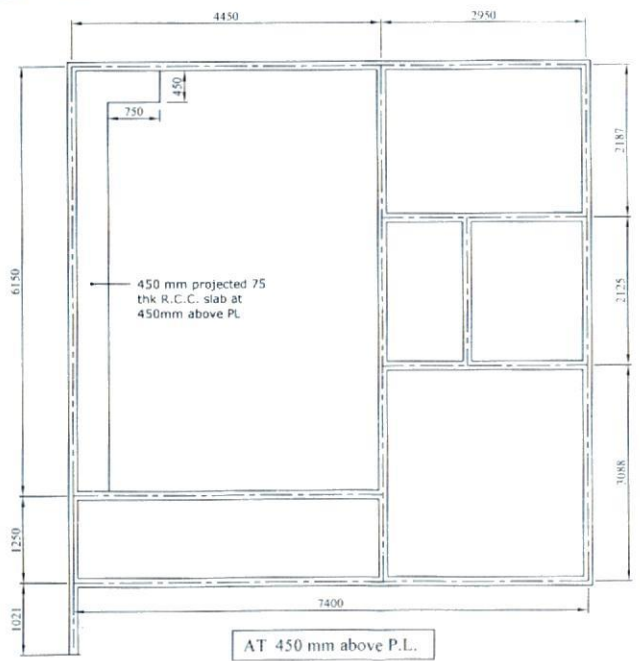
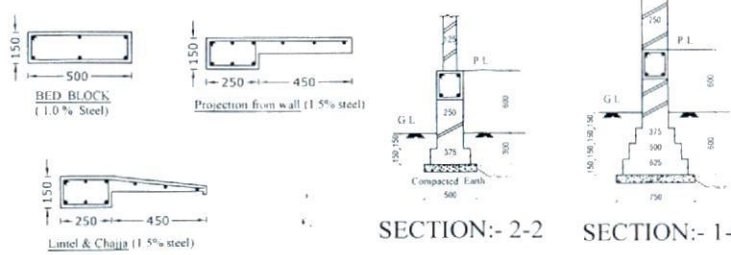


FOUNDATION LAY OUT PLAN

NOTE :-

1. These drawings are for estimating purpose only. Foundation arrangement and actual sizes may vary during detail drawing.
2. All dimensions are in mm.
3. Grade of concrete and reinforcement shall be M20 & Fe500 respectively.
4. Maximum height of plinth level from Natural Ground Level is considered as 1800 mm.
5. Bearing Capacity is considered as 6 T/sqm.

FLOOR BEAMS			
BEAM MKD	SIZE OF FLOOR BEAM		STEEL (INCLUDING STIRRUPS)
	Width	Depth	
B 1	250	400	2.0 %
B 2	250	350	2.0 %



AT 450 mm above P.L.

SCHEDULE OF SLABS		
SLAB MKD	THICKNESS	STEEL
ROOF SLAB	125	1.00%

GOVT. OF WEST BENGAL
 SOCIAL SECTOR, PUBLIC WORKS DIRECTORATE
 PROPOSED ONE STORIED ANGANWADI CENTER FOR
 SQUARE & NORMAL SITE OF ALL OVER WEST BENGAL.

DRAWING FOR ESTIMATE PURPOSE ONLY

(Signature)
 27/7/18.
 (K. Halder)
 Assistant Engineer, Education Unit

(Signature)
 27/7/18.
 (N. Das)
 Executive Engineer, Social Welfare Unit