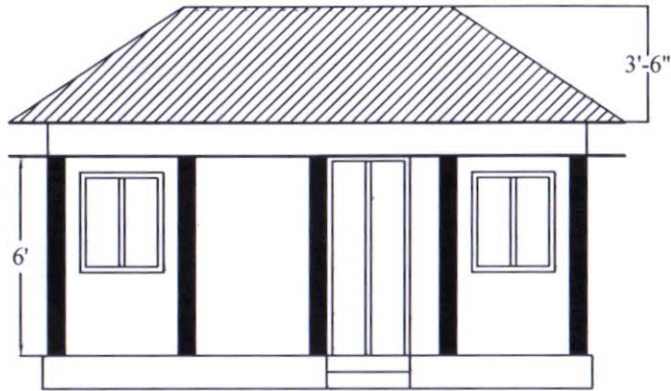
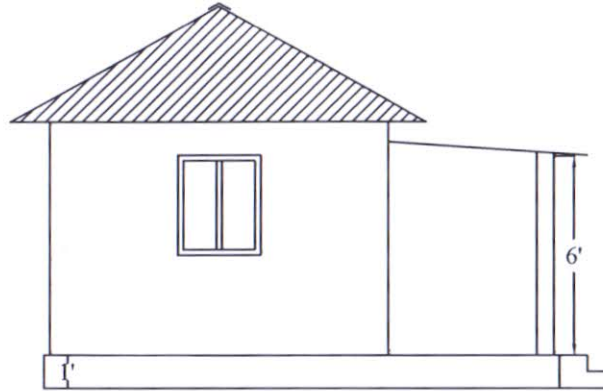


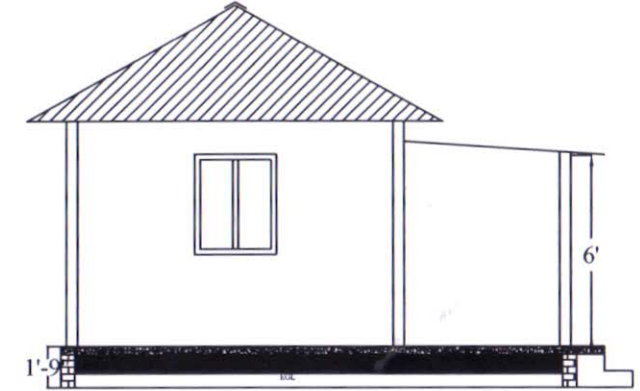
CGI SHEET HOUSE BUILT ON OWNER'S LAND



ELEVATION

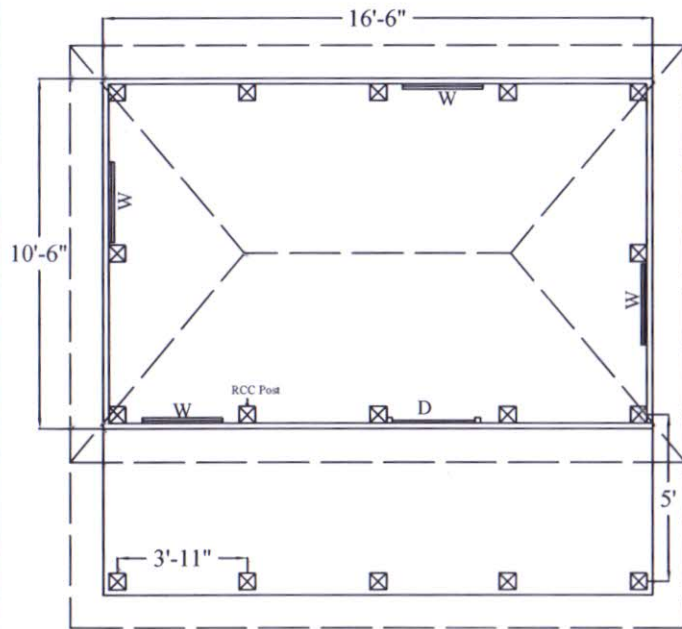


SIDE ELEVATION



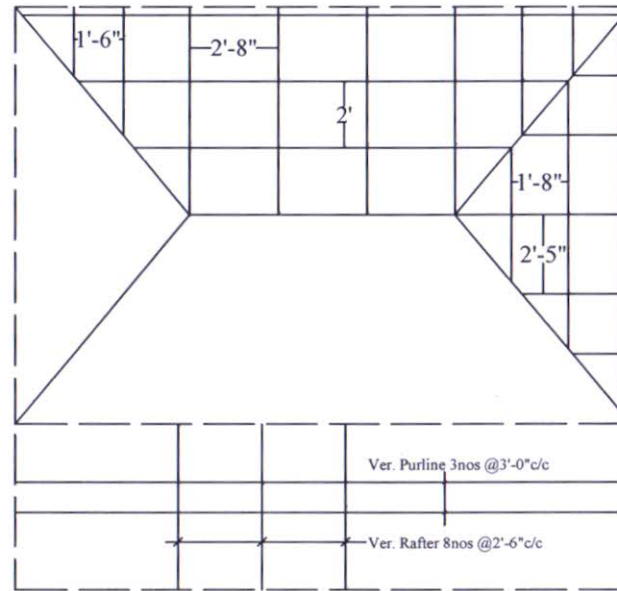
SECTIONAL ELEVATION

CGI SHEET HOUSE ON OWNER'S LAND



PLAN

Door- 3'-00"X6'-00"
 Window- 2'-6"X3'-00"
 RCC Post- 4"X4"



Rafter & Purline Details.

Ver. Purline 3nos @3'-0" c/c

Ver. Rafter 8nos @2'-6" c/c

আবদুল আজিজ সিকদার
 উপ-সহকারী প্রকৌশলী
 আশ্রয়-২ প্রকল্প
 প্রধানমন্ত্রীর কার্যালয়, ঢাকা।

শাহ মোশাররফ হোসেন
 প্রকৌশলী
 আশ্রয়-২ প্রকল্প
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আবুল কালাম শামসুদ্দিন (মোঃ সচিব)
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**ASHRAYAN-2 PROJECT
PRIME MINISTER'S OFFICE**

Financial Year : 2015-2016

Name of the Scheme : **Detailed Estimate for One Unit CGI Sheet House With Latrine For Land Owner (16'-6"x10'-6") Including Verandah.**

SL	Item Code	Description of Work	Unit	Location / Component	Length	Width	Height / Depth	Area / Volume	No of	Total Qty of Works	Unit Rate	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	01.01.02	Suplying & laying double layer polythene in possiosion including cost of all Materials as per direction of the E-I-C.(LMR)	sqm	Floor	5.029	4.724		23.757	1.00	23.757		
										23.757	60.00	1425.42
2.	1000.01.02	Door Making with fitting & fixings in possiosion including cost Of all necessary fittings & painting excluding cost of wood & tin etc all completed as per direction of the E-I-C (LMR).	no	Door (Main Ghor-01+ latrine-01)				2.0001.00		2.000		
										2.000	500.00	1000.00
3.	1000.01.03	Window Making with fitting & fixings in possiosion including cost Of all necessary fittings & painting excluding cost of wood & tin all completed as per direction of the E-I-C (LMR)	no	Window				1.000	4.00	4.000		
										4.000	350.00	1400.00
4.	10000.01.01	Supplying, fitting,fixing of machine made RCC pre cast post (4"x4" rectangular or hexagonal) casted with Vertical 04nos 6mm dia ms rod with necessary stirrups including carrying & cost of RCC post with fixing wooden batten & brick wall's hole etc as per direction of the E-I-C (LMR).	no	Post (12'-0"=12 nos & 10'-0"=09 nos)				1.000	21.00	21.000		
5.	5.02.01	Earthwork in excavation of foundation trenches, including layout, by excavating earth to the lines, grades and elevation as shown in the drawing providing center lines, local bench mark pillars, fixing bamboo spikes and marking layout with chalk powder filling baskets, carrying and disposing of all excavated materials at a safe distance designated by the E-I-C in all types of soils except rocky, gravelly, slushy or organic soil, leveling, ramming, dressing and preparing the base, etc. all complete for an initial excavation depth of 2m and an initial lead not exceeding 20m, including arranging all necessary tools and equipment at work site, etc. complete as per direction of the E-I-C.	cum	Wall	18.494	0.250	0.300	1.387	1.00	1.387		
										1.387	125.53	174.11
6.	5.02.02	Sand filling in foundation trenches and inside plinth with sand (minimum FM 0.50) in 150mm layers in/c leveling, watering and consolidating each layer up to finished level etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 95% of MDD (STD).	cum	Floor	4.775	4.471	0.050	1.067	1.00	1.067		
										1.067	681.88	727.57
7.	5.02.06	Earth filling inside plinth in 150mm layers with earth available within 90m of the building site, watering, leveling and consolidating each layer up to finished level, etc. all complete as per direction of the E-I-C. Dry density after compaction shall not be less than 90% of MDD (STD).	cum	Floor	4.775	4.471	0.175	3.736	1.00	3.736		
										3.736	322.09	1203.33

আবদুল আজিজ সিকদার
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প্রধানমন্ত্রীর কার্যালয়, ঢাকা।

মোঃ আবুল বাশার মোল্লা
সহকারী প্রকৌশলী
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মোঃ জাহিদুর রহমান মন্ডল
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8. 5.03.04.01	Mass concrete work in foundation or floor with Portland Composite Cement (CEM II/AM, 42.5N), sand (minimum FM 1.20) and 20mm down well graded 1st class/picked brick chips (LAA value not exceeding 38), including shuttering, mixing by concrete mixer machine, casting, laying compacting with mechanical vibrator machine and curing for the requisite period breaking bricks into chips etc. all complete as per direction of the E-I-C. Cylinder crushing strength of concrete should not be less than 10.5Mpa at 28 days of curing (suggested mix proportion 1:3:6). Additional quantity of cement to be added if required to attain the strength at the contractors own cost. & with neat cemet finishing. Mass concrete in foundation (1:3:6) with Portland Composite Cement (CEM II/AM, 42.5N), sand (minimum FM 1.20) and 20mm down well graded 1st class/picked brick chips.	cum	Hole for Post	0.300	0.250	0.250	0.019	17.00	0.323				
			Post	0.300	0.150	0.150	0.007	17.00 (-)	0.119				
			Floor	5.029	4.724	0.075	1.782	1.00	1.782				
										1.986	7064.57	14030.24	
9. 5.04.10.01	125mm brick work with 1st class bricks in cement mortar (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) and making bond with connected walls with uniform width and depth joints, true to vertical and horizontal lines in/c necessary scaffolding, raking out joints, cleaning and soaking the bricks at least for 24 hours before use, washing of sand, curing for requisite period, etc. all complete as per direction of the E-I-C. Ground Floor	sqm		18.440			0.533	9.829	1.00	9.829			
										9.829	950.45	9341.97	
10. 5.06.01.01	Supplying and fabrication of M.S High strength Ribbed or kg deformed bar reinforcement conforming to BDS ISO 6935-2:2006 (or standard subsequently released from BSTI) of required size and length for all types of RCC work in/c straightening removing rusts, cleaning, cutting, hooking, bending, binding or tying with supply of 22 B.W.G. annealed binding wire double fold, placing in position in/c lapping, or welding wherever required as directed, anchoring to the adjoining members wherever necessary, spacing and securing them in position by proper size concrete cover blocks (1:1) supports, metal chairs, spacers, splices or laps etc. complete in/c cost of all materials, labour, local handling, cost includes necessary equipment and machinery, loading and unloading, transportation, all other necessary incidental charges including all leads and lifts etc. to complete the work as per specifications, design, drawings and direction of the E-I-C. (Undersize reinforcement will not be accepted under any circumstance. Measurement will be made based as length of bar on standard weight i.e. 77KN/m3 (BNBC Table 6.2.1) basis. Chairs, laps, Splice and separators will not be measures for payment. The cost of these remains inclusive in the unit rate). RB 300: Ribbed bar or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy(ReH)=300 MPa, but the actual yield strength based on mill tests dose not exceed fy by more than the 125 MPa and the ratio of actual ultimate strength, fu(Re) to to actual tensile yield strength (fy) shall be at least 1.25 and minimum elongation after fracture (A565) & minimum total elongation and maximum force (Agt) is 17% and 2.5% respectively.	kg	10mm dia for Window	0.914	0.616		0.563	48.00	27.024				
										27.024	77.48	2093.82	

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প্রধানমন্ত্রীর কার্যালয়, ঢাকা।

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11.	5.07.04.05	Supplying and making seasoned wood works in frames of roof truss of required size with wall plates as per design in/c supplying, fabricating, hoisting, scaffolding, fitting and fixing in position with bolts and nuts for all floors etc. all complete as per direction of the E-I-C. (Locally available quality and durable wood. Sal/Garjan/Jarul/karai/Shil Karai/Shishu/Tal/Jam/Pitraj/Debdarul/Akashmani). (LMR)	cum	Wall Plate(Long)	4.775	0.075	0.050	0.018	3.00	0.054
				Tie Beam	3.078	0.075	0.050	0.012	5.00	0.060
				Rafter	2.006	0.050	0.050	0.005	8.00	0.040
				Rafter(Verandha)	1.829	0.050	0.050	0.005	8.00	0.040
				Tie for V.Rafter	4.775	0.050	0.050	0.012	1.00	0.012
				Tie Triangle Portion	2.490	0.050	0.050	0.006	4.00	0.024
				Triangle Portion Rafter	1.041	0.050	0.050	0.003	10.00	0.030
				Triangle Portion for Rater(av)	0.899	0.050	0.050	0.002	8.00	0.016
				Tie for Ridge(Top)	2.438	0.050	0.050	0.006	1.00	0.006
				Purlin(Long Chala) (av)	3.944	0.050	0.025	0.005	8.00	0.040
				Purlin(Short Chala) (av)	2.438	0.050	0.025	0.003	6.00	0.018
				Batten (Long)	4.876	0.050	0.025	0.006	8.00	0.048
				Batten (Short)	3.047	0.050	0.025	0.004	8.00	0.032
				Latrine Wall Plate (Latrine)	4.268	0.050	0.050	0.011	1.00	0.011
				Rafter(Latrine)	1.426	0.050	0.050	0.004	1.00	0.004
				Purlin (Latrine)	1.731	0.050	0.025	0.002	1.00	0.002
				Fencing Batten (Latrine)	3.048	0.050	0.025	0.004	1.00	0.004
				Wood for Door Shutter (Long)	1.828	0.050	0.025	0.002	2.00	0.004
				Wood for Door Shutter (Long)	1.524	0.050	0.025	0.002	2.00	0.004
				Wood for Door Shutter (Short)	0.914	0.050	0.025	0.001	4.00	0.004
				Wood for Door Shutter (Short)	0.762	0.050	0.025	0.001	3.00	0.003
				Frame for Window	3.353	0.050	0.025	0.004	4.00	0.017
				Door frame	5.487	0.075	0.050	0.021	1.00	0.021
				Window frame	3.506	0.050	0.038	0.007	4.00	0.027
				Window	0.762	0.050	0.025	0.001	12.00 (-)	0.012

0.509 47935.00 24398.91

12.	5.09.01.01	Supplying, fitting and fixing 0.36mm (28 SWG) thick galvanized iron corrugated sheet (Bangladesh made)having minimum weight 53-55 kg per bundle (2'-6" width 70 - 72 rft long) roofing fitted and fixed on MS sections with 'J' hook or wooden purlins with screws, limpet washers, bitumen washers and putty etc. all complete as per direction of the E-I-C.(LMR)	sqm	Long Chala	4.038	2.133		8.613	2.00	17.226
				Short Chala	1.904	1.828		3.481	2.00	6.962
				Verandha	5.640	1.828		10.310	1.00	10.310
				Fencing (Long)	4.908	2.438		11.966	2.00	23.932

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প্রধানমন্ত্রীর কার্যালয় ঢাকা।

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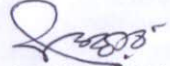
আবুল কালাম শামসুদ্দিন (যুগ্ম-সচিব)
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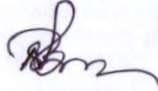
	Fencing (Short)	3.210	2.438	7.826	2.00	15.652		
	Chala for Latrine	1.731	1.524	2.638	1.00	2.638		
	Fencing for Latrine	4.266	1.524	6.501	1.00	6.501		
	Door	0.915	1.829	1.674	1.00 (-)	1.674		
	Window	0.762	0.915	0.697	4.00 (-)	2.788		
	Door Shatter	0.915	1.829	1.674	1.00	1.674		
	Window Shatter	0.762	0.915	0.697	6.00	4.182		
							81.827	500.00
								40913.50
13. 5.09.01.02	0.46mm (26 SWG) thick galvanized iron plain sheet ridging with 300mm lap on either side fitted and fixed with galvanized bolts and nuts etc. all complete as per direction of the E-I-C.	m	Ridge	2.438	2.438	1.00	2.438	
				2.487	4.00	9.948		
							12.386	225.35
								2791.19
14. 5.12.01	Minimum 12mm thick cement plaster (1:4) with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2) to dado, plinth wall up to 150mm below ground level, water tank or any where directed with neat cement finishing in/c washing of sand, racking out joint and picking up cement mortar i/c finishing the edges and corners and curing for the requisite period etc. all complete as per direction of the E-I-C.	sqm	Wall	19.510	0.228	4.448	1.00	4.448
							4.448	242.78
								1079.89
15. 7.12.01.01.1	Construction of single pit latrine Manufacturing and Supplying of RCC ring of 40mm wall thickness and internal diameter 0.30m of height including RCC slab with pan, footrest and earth cutting filling, fixing all necessary fittings etc all complete as per direction of the E-I-C.	no	Ring			8.000	1.00	8.000
								8.000
								300.00
								2400.00
16.(NTI)	Materials Carrying/Name Plate etc as per direction of the E-I-C.					LS		2451.57


TOTAL SCHEME AMOUNT: 119,501.43

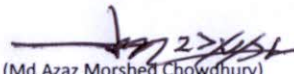
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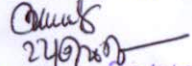
In Word : Taka One Lakh Nineteen Thousand Five Hundred Only


(Abdul Aziz Sikder)
Sub-Assistant Engineer


(Md. Abul Basar Mollah)
Assistant Engineer


(Md. Zahedur Rahman Mondal)
Deputy Project Engr.


(Md. Azaz Morshed Chowdhury)
Project Engr.


আবুল কালাম শামসুদ্দিন (মুগা-সচিব)
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(S M Hamidul Haque)
Deputy Project Director