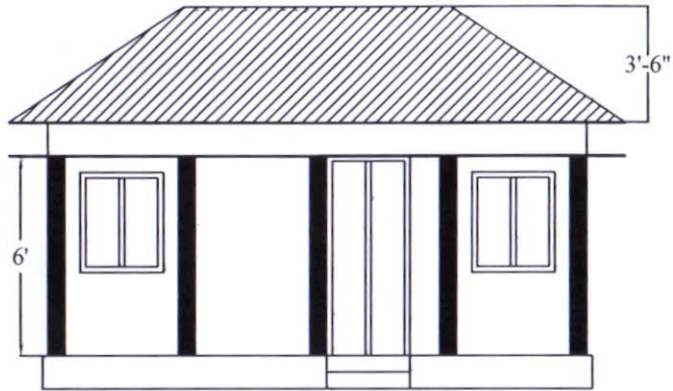
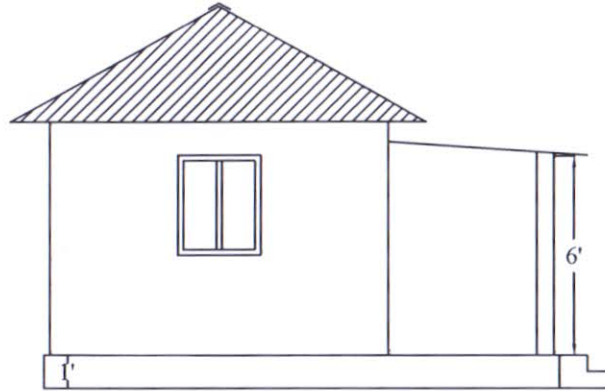


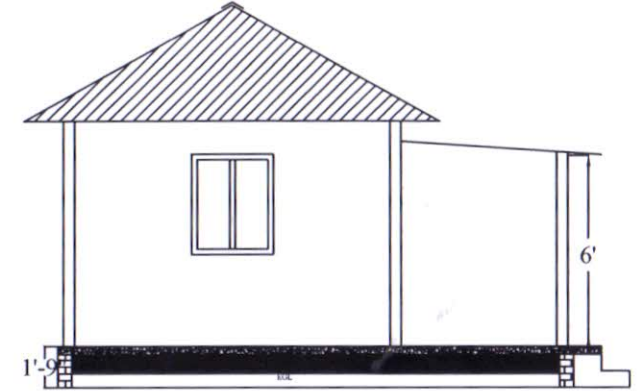
CGI SHEET HOUSE BUILT ON OWNER'S LAND



ELEVATION

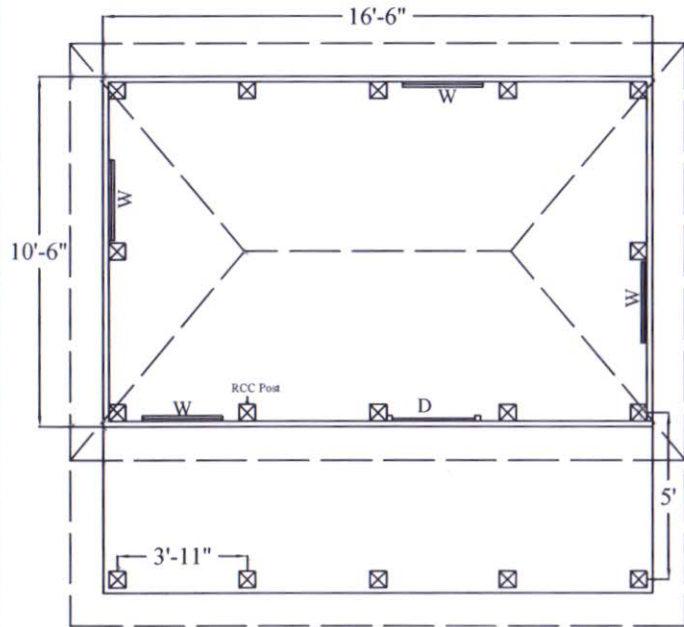


SIDE ELEVATION



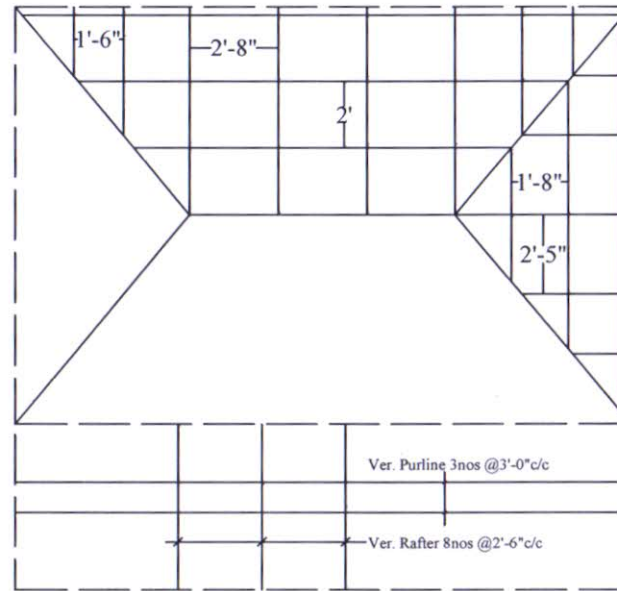
SECTIONAL ELEVATION

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
 প্রধানমন্ত্রীর কার্যালয়

আবুল কালাম শামসুদ্দিন (মো.সচিব)
 প্রকল্প পরিচালক
 আশ্রয়-২ প্রকল্প
 প্রধানমন্ত্রীর কার্যালয়।

**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
উপ-সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়, ঢাকা।

মোঃ আবুল বাশার মোল্লা
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়।

মোঃ জাহিদুর রহমান মন্ডল
উপ-প্রকল্প প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
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আবুল কালাম শামসুদ্দিন (যুগ্ম-সচিব)
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প্রধানমন্ত্রীর কার্যালয়।

| | | | | | | | | | | | | | | |
|-----|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------|--------|-------|-------|-------|-----------|--------|---------------|----------------|-----------------|--|
| 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 | |

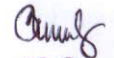
আব্দুল আজিজ শিকদার
উপ-সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়, ঢাকা।

মোঃ আবুল বাশার মোল্লা
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়।

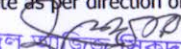
মোঃ জাহিদুর রহমান মন্ডল
উপ-প্রকল্প প্রকৌশলী
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|-----|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------|-------|-------|-------|-------|-----------|--------------|
| 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 |


 24/02/20
 আবুল কালাম শামসুদ্দিন (যুগ্ম-সচিব)
 প্রকল্প পরিচালক
 আশ্রয়ণ-২ প্রকল্প
 প্রধানমন্ত্রীর কার্যালয়।

| | | | | | | | | | | |
|-----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|-------|-------|--|--------|------|--------|
| 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 |


 আবুল কালাম শামসুদ্দিন
 উপ-সহকারী প্রকৌশলী
 আশ্রয়ণ-২ প্রকল্প
 প্রধানমন্ত্রীর কার্যালয়।


 মোঃ জাহিদুর রহমান মন্ডল
 সহকারী প্রকৌশলী
 আশ্রয়ণ-২ প্রকল্প
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