



আশ্রয়ণের অধিকার

শেখ হাসিনার উপহার

আশ্রয়ণ-২ প্রকল্পের আওতায় ভূমিহীন ও গৃহহীনদের গৃহ প্রদানের জন্য অনুমোদিত সিআই সীটের একক গৃহের প্রাক্কলন

প্রাক্কলিত ব্যয়ঃ ২,৪৮,৬০০.০০ টাকা


জুলাই, ২০২৩




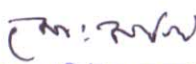
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়
তেজগাঁও, ঢাকা।

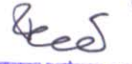
Detail estimate of CI Sheet Single House (2 Room) with Kitchen & Toilet (For Char Area)
Based on PWD rate schedule 2022(Revised) & Market price


SL	Item Code No.	Description of Work	Unit	Location / Component	Length	Width	Height /Depth	Area / Volume	No of	Total Qty of Works	Unit/Rate	Amount
1	2.1.2	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 Engineer-in- charge.	cum	Outer Wall Kitchen Ver Partition Wall Toilet Side Filling 1/3rd of excavation	18.287 8.485 8.991 2.794	0.500 0.500 0.500 0.500	0.305 0.305 0.305 0.305	2.789 1.294 1.371 0.426 1.960	1.00 1.00 1.00 1.00 1.00	2.789 1.294 1.371 0.426 1.960		
										7.840	168.09	1317.816
2	Analysis	Sand filling in foundation trenches and plinth with sand having F.M. 0.5 to 0.8 in 150mm layers including leveling, watering and compaction to achieve minimum dry density of 95% with optimum moisture content (Modified proctor test) by ramming each layer up to finished level as per design supplied by the design office only etc. all complete and accepted by the Engineer-in- charge.	cum	Room Floor Kitch Ver	5.437 3.608 5.437	2.694 1.932 1.270	0.300 0.266 0.266	4.394 1.854 1.837	1.00 1.00 1.00	4.394 1.854 1.837		
										8.085	720.00	5821.276
3	3.1.1	One layer of brick flat soling in foundation or in floor with first class or picked jhama bricks including preparation of bed and filling the interstices with local sand, leveling etc. complete and accepted by the Engineer -in-charge.	sqm	Column bottom Room-1 Room2 Varanda Kitchen and Toilet	0.250 2.610 2.560 5.450 3.610	0.250 2.690 2.690 1.170 1.920		0.063 7.021 6.886 6.377 6.931	21	1.313 7.021 6.886 6.377 6.931		
										28.528	636.00	18143.490
4	Analysis	Mass concrete (1:2:4) in foundation or floor with cement, sand (F.M. 1.2) and picked jhama chips including breaking chips, screening, mixing, laying, compacting to levels and curing for at least 7 days including the supply of water, electricity and other charges and costs of tools and plants etc. including NCF in floor, all complete and accepted by the Engineer -in- charge. (Cement: CEM-II/A-M)	cum	Outer Wall Kitchen Ver Partition Wall Toilet Room Floor Kitch Ver Deduction	18.287 8.485 8.991 2.794 5.437 3.608 5.437 0.150	0.250 0.250 0.250 0.500 2.694 1.932 1.270 0.150	0.076 0.076 0.076 0.076 0.076 0.076 0.076 0.076	0.347 0.161 0.171 0.106 1.113 0.530 0.525 0.002	1.00 1.00 1.00 1.00 1.00 1.00 1.00 -1.00	0.347 0.161 0.171 0.106 1.113 0.530 0.525 -0.002		
										2.952	7652.00	22586.418


মোহাম্মদ জাহিদুল ইসলাম
উপ সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প


মোঃ আবুল বাশার হান্নান
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়


মোঃ জাকিরুর রহমান
প্রকল্প প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প


মোহাম্মদ মাহমুদুল হক
উপ-প্রকল্প পরিচালক (উপসচিব)
আশ্রয়ণ-২ প্রকল্প


আবু হাশেম মোহাম্মদ ফেরদৌস খান
প্রকল্প পরিচালক (যুগ্মসচিব) এ. কে. এম. মনিরুজ্জামান
আশ্রয়ণ-২ প্রকল্প

SL	Item Code No.	Description of Work	Unit	Location / Component	Length	Width	Height /Depth	Area / Volume	No of	Total Qty of Works	Unit/Rate	Amount
5	Analysis	250mm brick work with 1st class bricks in cement mortar (1:6) in foundation and plinth with Portland Composite cement (CEM II/AM, 42.5N) and best quality sand (minimum FM1.2), filling the interstices tightly with mortar, raking out joints, cleaning and soaking 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.	cum	Outer Wall	18.287	0.250	0.609	2.784	1.00	2.784		
				Kitchen	8.485	0.250	0.533	1.131	1.00	1.131		
				Ver	8.991	0.250	0.533	1.198	1.00	1.198		
				Partition Wall Toilet	2.794	0.500	0.533	0.745	1.00	0.745		
				step	1.000	0.500	0.450	0.225	2.00	0.450		
				Pillar of toilet	1.980	0.250	0.250	0.124	1.00	0.124		
				Deduction	0.150	0.150	0.609	0.014	-21.00	-0.288		
										6.143	7950.00	48840.596
6	Analysis	125mm brick work with Kiln 1st class bricks/automatic machine made 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.	sqm	Partition Wall Toilet	4.827	0.761		3.673	1.00	3.673		
				single layer outside	19.000	0.075		1.425	1.00	2.375		
										6.048	1202.50	7273.137
7	Analysis	RCC:1:1.5:3, 20MPa, Brick Chips (BC): Reinforced cement concrete works with minimum cement content relates to mix ratio (tentative 1:2:4) and maximum water cement ratio 0.45 having minimum required average strength, $f'_{cr} = 24$ Mpa and satisfied a specified compressive strength $f'_c = 17$ Mpa at 28 days on standard cylinders as per $f'_c = 17$ Mpa at 28 days on standard cylinders as per standard practice of Code AASHTO/ ASTM and Portland Composite Cement conforming to BDS EN 197-1 : 2003 CEM-II 42.5N sand of minimum FM 1.8 and 20mm down well graded picked brick chips (LAA value and maximum water absorption not exceeding 38 and 15% respectively) conforming to ASTM C 33 or Aggregate Grading Appendix-3 LGED Schedule of Rates or any other International recognized envelop in/c breaking chips and screening through proper sieves, centering, shuttering in position, making shuttering fully leak proof & shuttering with plain 16 BWG steel sheet fitted over 38mm thick wooden plank panels and Standard size Bamboo Props suitably braced, placing of reinforcement in position, mixing the aggregates with standard mixer machine with hopper, fed by standard measuring boxes, maintaining allowable slump of 50mm (without plasticizer) & 75mm to 100mm Additional quantity of cement to be added if required to attain the strength at the contractor's own cost) etc. all complete as per direction and approval of the Engineer in charge.	cum	Pliiar (Long)	0.150	0.150	3.657	0.082	12.000	0.987		
				Pliiar (Short)	0.150	0.150	2.971	0.067	9.000	0.602		
										1.589	8784.00	13957.930
8	3.7	Supplying and laying of single layer polythene sheet weighing one kilogram per 6.5 square meter in floor or any where below cement concrete complete in all respect and accepted by the EIC.	sqm	Room Floor	5.437	2.694		14.647	1.00	14.647		
				Kitch	3.608	1.932		6.971	1.00	6.971		
				Ver	5.437	1.270		6.905	1.00	6.905		
										28.523	47.00	1340.577

মোহাম্মদ জাহিদুল ইসলাম


মোহাম্মদ আবুল বাশার মোস্তা
সহকারী প্রকৌশলী

মোঃ জাকিউর রহমান


মোহাম্মদ মাহমুদুল হক
উপ-প্রকল্প পরিচালক (উপসচিব)

এ. কে. এম. মনিরুজ্জামান

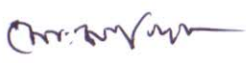
SL	Item Code No.	Description of Work	Unit	Location / Component	Length	Width	Height /Depth	Area / Volume	No of	Total Qty of Works	Unit/Rate	Amount	
9	08.1.1	Supplying and fabrication of Ribbed or deformed barreinforcement for all types of RCC work includingstraightening, removing ruts, cleaning, cutting, hooking, bending, lapping and/or welding wherever required as directed, placing in position, tying with 22 BWG black annealed binding wire (PVC coated in case of FBEC rebar)double fold, cost of binding wire and anchoring to the adjoining members wherever necessary, supplying and placing with proper cover blocks (1:1), supports, chairs, spacers, splices or laps etc. including cost of all materials, cost of labour, cost of equipment & machinery, loading and unloading, transportation, all other incidental charges and work at all leads and lifts etc. to complete thework as per design, drawing, specifications and direction of the E-I-C. Measurement relating to nominal mass, dimensions and tolerances of various types of steel shall conform to relevant BDS/ ASTM codes. Reinforcement shall be measured only in lengths of bar as actually placed in position on standard weight i.e. 7850 kg/m3 (BNBC Table 6.2.1) basis. No separate payment shall be allowed for Chairs of any shape & profile, spacer bar of any shape & profile, lap/ splice unless otherwise shown in the drawing, wastages, binding wire, concrete cover blocks etc. as the cost of these is included in the unit rate. Note: Tests for reinforcing bars shall be conducted at LGED/ BUET/ CUET/ KUET/ RUET.Grade 300 (RB 300): Ribbed or Deformed bar produced and marked as per BDS ISO 6935-2:2006 with minimum yield strength, fy (MPa) = 300 MPa	kg	12mm Dia 6mm Dia 12mm Dia 6mm Dia window 10 mm 12 mm rod for anchor bolt Faoundation	3.800 0.600 3.200 0.600 0.761 0.508 0.200 1.00	0.888 0.222 0.888 0.222 0.617 0.880 0.888 0.222	4 25 4 20 6 4 3	13.498 3.330 11.366 2.664 2.817 0.710 0.666	12 12 9 9 5 21 100 21	161.971 39.960 102.298 23.976 14.086 0.447 71.040 13.986	427.764	110.00	47054.035
10	Analysis	Supplying and making well matured natural seasoned solid wood works in frames of roof truss of required length and size with wall plates as per design in/c length and 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. (All sizes of wood are finished).Mehagoni/Shishu/Local sal/Silkarai or loacally available equivalent quality wood	cum	Wall plate Tie beam Rafter Rafter(Verandha) Wall plate for varanda Purline(Varanda) Tie Triangle portion Triangle Portion rafter Triangle portion for Tie for ridge Purlin(long chala) Purline(short chala)(av) Latrine wall plate Rafter(latrine) Purline(latrine) CI fencing at wall Room 1 (front & back Side Partition Wall Room 2 (front & back) side	18 3.2 2.006 1.89 5.94 6.25 2.49 1.04 0.899 2.438 3.944 2.438 8.48 2.28 4.22 5.12 2.44 2.23 2.03 2.38	0.075 0.075 0.05 0.05 0.075 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.075 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0.075 0.075 0.05 0.05 0.075 0.025 0.05 0.05 0.05 0.025 0.025 0.025 0.075 0.05 0.025 0.025 0.025 0.025 0.025 0.025	0.1013 0.0180 0.0050 0.0047 0.0334 0.0078 0.0062 0.0026 0.0022 0.0061 0.0049 0.0030 0.0477 0.0057 0.0053 0.0064 0.0031 0.0028 0.0025 0.0030	1 4 8 8 2 3 4 8 10 1 8 6 1 4 3 4 4 4 4 4	0.10 0.07 0.04 0.04 0.07 0.02 0.02 0.02 0.02 0.01 0.04 0.02 0.05 0.02 0.02 0.03 0.01 0.01 0.01 0.01			




মোঃ জাহিদুল ইসলাম
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
নয়মন্ত্রী কার্যালয়





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





মোঃ জাকিউর রহমান
প্রকল্প প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়





মোহাম্মদ জাহিদুল ইসলাম
উপ-সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়


মোঃ আবুল বাশার মোস্তা
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়



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প্রকল্প প্রকৌশলী
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প্রধানমন্ত্রীর কার্যালয়

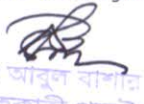

মোহাম্মদ মাহমুদ হক
উপ-প্রকল্প পরিচালক (উপসচিব)
আশ্রয়ণ-২ প্রকল্প

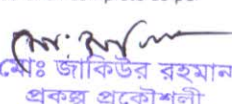

আবু হাফিজ মোহাম্মদ ফেরদৌস বান
প্রকল্প পরিচালক (যুগ্মসচিব)

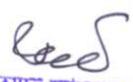

এ. কে. এম. মনিরুজ্জামান


SL	Item Code No.	Description of Work	Unit	Location / Component	Length	Width	Height /Depth	Area / Volume	No of	Total Qty of Works	Unit/Rate	Amount
				Toilet	1.42	0.05	0.025	0.0018	4	0.01		
				Toilet side	1.37	0.05	0.025	0.0017	2	0.00		
				Toilet inside	1.37	0.05	0.025	0.0017	2	0.00		
				Toilet	1.42	0.05	0.025	0.0018	2	0.00		
				Toilet	2.61	0.05	0.025	0.0033	4	0.01		
11(a)	Analysis	Supplying, fitting and fixing 0.36mm thick galvanized iron corrugated locally available color (Maroon, Blue, Green) sheet (Bangladesh made) having minimum weight 50 kg per bundle (2'-6"width 70 – 72 rft long) roofing fitted and fixed on MSsections 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.	sqm	CI Sheet Roof	4.038	2.133		8.613	2.00	0.661	42965.05	28412.895
					1.904	1.828		3.481	2.00	17.226		
					6.400	1.828		11.699	1.00	6.961		
					4.520	2.440		11.029	1.00	11.699		
										11.029		
										46.915	732.67	34373.310
(b)	Analysis	Supplying, fitting and fixing 0.36mm thick galvanized iron corrugated locally available sheet (Bangladesh made) having minimum weight 50 kg per bundle (2'-6"width 70 – 72 rft long) roofing fitted and fixed on MSsections 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.	sqm	Fencing	18.287	2.600		47.546	1.00	47.546		
				Fencing	3.200	2.600		8.320	1.00	8.320		
				Fencing	8.485	2.000		16.970	1.00	16.970		
				P/W	2.740	1.220		3.343	1.00	3.343		
				door	0.900	1.820		1.638	-3.00	-4.914		
				door	0.750	1.820		1.365	-2.00	-2.730		
				win	0.760	0.910		0.692	-5.00	-3.458		
				Wall	3.950	0.750		2.963	-1.00	-2.963		
12	Analysis	0.46mm (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. (Maroon, Blue, Green)	m	Ridge	2.740			2.740	5	62.115	620.00	38510.990
										13.700	280.00	3836.000
13	Analysis	Minimum 12 mm thick cement sand (F.M. 1.2) plaster with neat cement finishing to plinth wall (1:4) with cement up to 150 mm below ground level with neat cement finishing including washing of sand, finishing the edges and corners and curing at least for 7 days, cost of water, electricity and other charges etc. all complete in all respect as per drawing and accepted by the Engineer-in-charge. (Cement: CEM-II/A-M). Ground floor.	sqm	Outer Wall	25.700	0.518		13.313	1	13.313		
				On Single Brick	19.000	0.833		15.827	1	15.827		
				Step	1.500	1.000		1.500	2	3.000		
				Toilet Wall	4.065	0.761		3.093	2	6.187		
				Deduction	0.150	0.150		0.023	-1	-0.023		
										38.304	237.19	9085.333
14	Analysis	Supplying, fitting and fixing I window Wooden frame with MS plain sheet Each shutter with frames & MS Rod grill , etc for all floors. all complete as per direction		Window						5.00	1950.00	9750.000



মোহাম্মদ জাহিদুল ইসলাম


মোঃ আবুল বাশার মোস্তাফিজ
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প


মোঃ জাকির রহমান
প্রকল্প প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প


মোহাম্মদ মাহমুদুল হক
উপ-প্রকল্প পরিচালক (উপসচিব)
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়

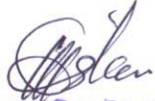

আবু হালেম মোহাম্মদ কেরদৌস খান
প্রকল্প পরিচালক (যুগ্মসচিব)
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়

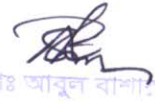

এ. কে. এম. মনিরুজ্জামান
পরিচালক (প্রশাসন)
প্রধানমন্ত্রীর কার্যালয়

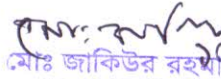
SL	Item Code No.	Description of Work	Unit	Location / Component	Length	Width	Height /Depth	Area / Volume	No of	Total Qty of Works	Unit/Rate	Amount
15	Analysis	Supplying fitting and fixing steel door frame & shutter with 18 BWG MS sheet/plain plate hinged to RCC columns reinforcement with 38mmx38mmx5mm MS Angle and 25mmx6mm flat bar stiffener and putty and painting the wdoor with two coats of synthetic enamel paint over a coat of anticorrosive priming, etc. all complete as per drawing and direction of E-I-C.	Each	Door D1 Door D2						2.00 1.00	4200.00 3600.00	8400.000 3600.000
16	Analysis	Supplying, fitting, fixing of uPVC hollow or solid plastic door shutter etc. all complete as per drawing and direction of E-I-C.	Each	Door D3						1.00	3050.00	3050.000
17	Analysis	Chemical imulsion with kerosene (like Matir tel/Alkatra) polishing to wood frames and truss by three coats over a coat of priming including putty, cleaning, finishing and polishing with sand paper etc. all complete in all floors and accepted by the Engineer-in-charge.	L/S	For Wooden Truss						1.00	1100.00	1100.000
18	Analysis	Construction of twin pit latrine, Manufacturing and Supplying of 10 nos RCC ring (inner dia. of ring 750 mm, thickness 40 mm, height 300 mm) including RCC slab with porcelain pan with footrest, necessary UPvc pipe and trap and earth cutting, filling, fixing all necessary fittings etc. including Y junction, all complete as per direction of the E-I-C. (- RCC Ring for Soak Pit =10 nos - Earth work excavation and Sand Filling (1'-0") of 2 Nos of Soak Pit bottom - RCC Slab for Soak Pit=2 nos -Y-Junction with necessary PVC Pipe and trap 25mm dia. 6'-0 high Gas Ventilation pipe - Supplying, fitting and fixing Bangladesh pattern long pan with foot-rest made of Vitreous China and preparing the base of pan)	L/S	Toilet						1.00	6250.00	6250.000

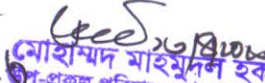
Total Amount 312703.80
Total Amount after deducting Contractor's profit, Vat & IT (10+10.5= 20.5%) 248599.52


Say Amount = Taka 2,48,600.00



মোঃ জাকিউর রহমান
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
প্রধানমন্ত্রীর কার্যালয়


মোঃ আবুল বাশার মোস্তফা
সহকারী প্রকৌশলী
আশ্রয়ণ-২ প্রকল্প
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এ. কে. এম. সনিবুল্লাহ মান
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গণপ্রজাতন্ত্রী বাংলাদেশ সরকার