

BILL OF QUANTITY (BOQ)

PROPOSED HOUSE DESIGN AT BARA BANDA PESHAWAR
ENGINEERS COST ESTIMATES
21-Jul-2022

IR & ASSOCIATES
ARCHITECTS, INTERIOR DESIGNER, CONSULTANT, BUILDERS

Address:

Plaza N0 60-C, LCO Commercial, 2nd Floor, 2nd Office, Near
Bahria Town Corporate Head Office, Bahria Orchard Lahore

Contact:

0306-4600097
042-35454131

Email : info@irassociates.com.pk
Web site : www.irassociates.com.pk

PROPOSED HOUSE DESIGN AT PESHAWAR

ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		ABSTRACT SUMMARY			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
GREY STRUCTURE					
1.0	Excavation Excavation in sand, silt or clay for wall foundation i/c back filling material any where on the site of the work as instructed by the Engineer.	Cft	12,540.01		
2.0	Termite proofing Providing and carrying out termite proofing using "Biflex , Fiprokill " or an approved equivalent as per manufacture,s specification. The actual treated area in sft shall be measured for payment.	Sft	12,302.70		
3.0	PCC 1:4:8 Under Foundation Supply, mix place and compact cement concrete 1:4:8 under foundation using 1-part of cement to 4parts of Local sand and 8-parts of Sargodha crush i/c curing etc. complete in all respects.	Cft	1,195.93		
4.0	Ghassu Filling Providing, stacking and filling rough (Ghassu) from outside source under floor including dressing, watering and consolidation by ramming in layers not more than 9" in depth and compaction should not be less than 95% AASHTO modified density, complete in all respects and to the direction of the Engineer.	Cft	4,218.67		
5.0	DPC 2" Th. 1:2:4 50mm thick DPC 1:2:4 using 3mm aggregate and finished smooth with steel float, covered with two coats, each of hot bitumen @ 0.75 Sq/m and blended 0.012 cum of sand per sqm.	Sft	903.00		
6.0	RCC 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand 100% chanab Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cube crushing strength of 3,000psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.	Cft	9,859.44		
7.0	RCC 1:1½:3 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:1½:3) using 1-part of Ordinary Port land cement to 1-parts of sand 50% chanab & 50% Lawrancepur Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cylinder crushing strength of 3750psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.	Cft	1,286.01		
8.0	Brick Masonry in Sub-structure With 1:3 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:3 using 1-part of OP cement and 3-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.	Cft	1,826.83		
9.0	Brick Masonry in Superstructure With 1:4 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:4 using 1-part of OP cement and 4-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.	Cft	14,412.09		
10.0	Steel Reinforcement Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc. in all kinds of RCC work in foundation, plinth & superstructure.	kg	23,603.49		

11.0	Surface Rendering ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc.	Sft	27,989.95		
12.0	Flooring				
12.1	A- 4" Thick Brick Ballast Provide, mix, place, 4" thick brick ballast under flooring. Complete as per drawing, specification and instruction of the Consultant Engineer.	Cft	3,044.68		
12.2	B- 2" Thick 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand chanab and 4-parts of Margala crush aggregate of specified grading curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.	Cft	1,462.81		
12.3	Terrazo Finish 1:3 C/S Plaster ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc	Sft	215.00		
12.4	Membrane Providing and applying of HY-Grip 4mm thick torch allpied modified bituminous Waterproofing membrane on RCC wall outer surface.complete in all respects, as per specifications and the direction of the Engineer.	Sft	1,437.50		
13.0	PVC Water Stopper "A" Class Grade Providing and fixing in position PVC water stopper 9" wide "A" class grade 5 to 6mm thick of "MARFLAX" or approved equivalent, in RCC retaining walls placed vertically or horizontally, as shown in the drawing, complete in all respects and to the direction of the Engineer	Ft	176.00		
14.0	Water Proofing Providing and laying Water Proofing to roof consisting of and 2 Nos. flood coats of 10/20 bitumen @ 1.00 kg/sqm each. Double layer of heavy duty polythene sheet, 100mm thick puddle earth and laying of brick tiles size 230 x 115 x 40mm over 19mm thick mud plaster and grouted with cement sand mortar (1:3) Complete as per drawing, specification and instruction of the consultant engineer.	Sft	1,437.50		
14.1	Roof Treatment				
14.1.1	Providing and laying, single layer of 300 mm x 150 mm x 50 mm Flat brick tiles in roof, jointed and pointed in CM 1:3.	Sft	2,219.00		
14.1.2	Two coat of water proofing compound, using Bitumen 10/20, applied hot @ 14.68kg /10sqm.	Sft	2,219.00		
14.1.3	Providing and laying, Bond Breaking materials, using 0.102 mm thick Polythene film, over normal thickness of concrete floor.	Sft	2,219.00		
14.1.4	Scraping, Leaping or Mud Plaster , any thickness.	Sft	2,219.00		
FINISHING WORKS					
15.0	Surface preparation by using putty on plastered wall or ceiling to form smooth base for distemper, plastic emulsion paint etc., all as specified	Sft	17,717.18		
15.1	1st Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint.	Sft	14,174.00		
15.2	2nd Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint.	Sft	14,174.00		
15.3	1st Coat of Weather Resistant paint on exterior wall on new surface.	Sft	10,741.50		
15.4	2nd Coat of Weather Resistant paint on exterior wall on new surface	Sft	10,741.50		
16.0	FALSE CEILING				
16.1	Supply and fix, Fibre Glass Ceiling (1200 mm x 600 mm) panels, single ply 2 mm thick , in any colour / texture, including Aluminium Tee and angle, 25 mm x 25 mm x 1 mm, hanger clips, jointing clips and G1 14 SWG wire etc. complete, including provision of openings for lights.	Sft	4,473.00		
17.0	FLOORING				
17.1	Providing and laying Standard quality marble tiles (Sunny grey, Badel, Ziarat grey, Sunny white, zebra, Taveera boticina, Supreme white, Parlino stain boticina, Flower boticina), of any size, 13 mm thick including setting, jointing , bonding and chemical polishing, complete all as specified.	Sft	8,126.30		

17.2	Providing and laying Standard quality granite tiles (Indus gold, Tropical), of any size, 20 mm thick including setting, jointing, pointing and chemical polishing complete all as specified.	Sft	239.13	
17.3	Providing and laying, 13 mm thick dados, skirting , , using marble chips (1:2) with ordinary Cement including cutting and rubbing, including 10mm thick Cement plaster (1:3), (except polishing). (for GF,1st,2nd floor and lower ground /basement 1st, 2nd, 3rd).	Sft	2,825.41	
18.0	DOORS & WINDOWS			
18.1	Supply and fix, 1st Class Soft Wood (Deodar) Framed and Panelled Doors, gates etc., including chowkats, hold fasts, and mongery, all as specified, 32 mm thick	No.	24.00	
18.2	Supply of Aluminium Sliding window , Deluxe Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings.	No.	35.00	
18.3	Supply Iron tinned wire gauze fly proof 9x9 mesh , 24 gauge and fixed with cover fillets to window chowkats etc.	No.	37.00	
18.4	Main Gate - 6' Height (20'+4' X6')	No.	1.00	
19.0	CORBELLINGS			
20.0	Supply and fix, Cemented Strip, or POP Strip the Borders of Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs.	Ft	220.00	
20.0	PILLARS			
21.0	Providing and Laying, Fixing along the Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs.	No.	33.00	
21.0	M/STEEL RAILING WITH GLASS			
22.0	Supply and fixing, Mild steel railing with glass as per approved vendors with an engineer, and all as per specifications.	Ft	103.00	
22.0	TERA COTTA TILES			
23.0	Providing, Supply and fix the Inclined tiles as per design requirement where as used complete with all the aspects.	Sft	1,338.00	
23.0	STEEL STAIR			
	Supply and fixing, Cast Iron or Steel stair with hand rail as per approved drawing with an engineer, and all aspect as per specifications.	No.	2.00	

PROPOSED HOUSE DESIGN AT PESHAWAR

ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		ABSTRACT OF QUANTITIES			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
GREY STRUCTURE					
1.0	Excavation Excavation in sand, silt or clay for wall foundation i/c back filling material any where on the site of the work as instructed by the Engineer.	Cft			
	BW B/Wall	Cft	1,661.70		
	UGWT UGWT	Cft	226.25		
	SP S/P TANK	Cft	176.25		
	B Basement	Cft	6,762.31		
	GF G.F Footing	Cft	1,768.00		
	GW G.F Walls	Cft	1,945.50		
	TOTAL	Cft	12,540.01		
2.0	Termite proofing Providing and carrying out termite proofing using "Biflex , Fiprokill " or an approved equivalent as per manufacture,s specification. The actual treated area in sft shall be measured for payment.				
	BW Below B/Wall	Sft	3,607.00		
	UGWT UGWT	Sft	145.00		
	SP S/P TANK	Sft	128.50		
	B R/Wall Height 8' Ft (4-Sides)	Sft	3,268.00		
	GF Below Footing	Sft	1,767.40		
	GW Below Walls	Sft	1,945.50		
	GP Below Panels	Sft	1,441.30		
	TOTAL	Sft	12,302.70		
3.0	PCC 1:4:8 Under Foundation Supply, mix place and compact cement concrete 1:4:8 under foundation using 1-part of cement to 4parts of Local sand and 8-parts of Sargodha crush i/c curing etc. complete in all respects.				
	BW 4" Th. Below Footing	Cft	36.60		
	BW 6" Th. Below Walls	Cft	332.35		
	SP 4" Th. Below S/Tank	Cft	23.84		
	UGWT 4" Th. Below UGWT	Cft	13.24		
	B 4" Th. Below Basement	Cft	226.31		
	GF 4" Th. Below Footing	Cft	174.50		
	GW 6" Th. Below Walls	Cft	389.09		
	TOTAL	Cft	1,195.93		
4.0	Ghassu Filling Providing, stacking and filling rough (Ghassu) from outside source under floor including dressing, watering and consolidation by ramming in layers not more than 9" in depth and compaction should not be less than 95% AASHTO modified density, complete in all respects and to the direction of the Engineer.				
	B,U,SP B/Wall, UGWT, SP/TANK	Cft	1,548.56		
	B Basement	Cft	1,138.39		
	GF In Footings	Cft	640.42		
	GW In Walls	Cft	891.30		
	TOTAL	Cft	4218.67		
5.0	DPC 2" Th. 1:2:4 50mm thick DPC 1:2:4 using 3mm aggregate and finished smooth with steel float, covered with two coats, each of hot bitumen @ 0.75 Sq/m and blended 0.012 cum of sand per sqm.				
	BW 2" Th. On Internal Walls	Sft	192.75		
	GF 2" Th. On Internal Walls	Sft	180.75		
	GF Two layer External Walls on Inner face	Sft	353.25		
	GF 3/4" Th. Facing	Sft	176.25		
	TOTAL	Sft	903.00		
6.0	RCC 1:2:4				

	Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand 100% chanab Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cube crushing strength of 3,000psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.			
BW	RCC Foundation in B/Wall	Cft	163.44	
SP	RCC Foundation in S/Tank	Cft	35.78	
SP	RCC Walls in S/Tank	Cft	840.00	
SP	RCC Slab in S/Tank	Cft	30.49	
UGWT	RCC Foundation in UGWT	Cft	24.66	
UGWT	RCC Walls in UGWT	Cft	425.18	
UGWT	RCC Slab in UGWT	Cft	20.37	
OHWT	RCC Foundation in OHWT	Cft	27.76	
OHWT	RCC Walls in OHWT	Cft	19.57	
OHWT	RCC Slab in OHWT	Cft	25.17	
B	RCC Foundation	Cft	285.00	
B	RCC Wall	Cft	1,094.40	
B	RCC Slab Beams	Cft	25.22	
B	RCC Slab	Cft	273.96	
B	RCC Lintels	Cft	22.43	
B	RCC Stair			
	i. RCC Wall	Cft	19.60	
	ii. Waist Slab	Cft	49.80	
	iii. Landing	Cft		
B	RCC Flooring	Cft	217.80	
GF	RCC Foundation	Cft	595.68	
GF	RCC Slab Beams	Cft	398.58	
GF	RCC Slab	Cft	1,980.50	
GF	RCC Lintels	Cft	196.87	
GF	RCC Stair			
	i. RCC Wall	Cft	19.60	
	ii. Waist Slab	Cft	49.80	
	iii. Landing	Cft	20.32	
FF	RCC Slab Beams	Cft	321.32	
FF	RCC Slab	Cft	1,505.31	
FF	RCC Lintels	Cft	168.75	
FF	RCC Parapet Wall	Cft	28.06	
FF	RCC Pitched Slope Roof	Cft	156.26	
FF	RCC Stair			
	i. RCC Wall	Cft	19.60	
	ii. Waist Slab	Cft	56.40	
	iii. Landing	Cft	10.80	
RF	RCC Slab	Cft	510.19	
RF	RCC Pitched Slope Roof	Cft	165.98	
RF	RCC Lintels	Cft	39.38	
RF	RCC Parapet Wall	Cft	45.90	
	TOTAL	Cft	9,859.44	
7.0	RCC 1:1½:3			
	Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:1½:3) using 1-part of Ordinary Port land cement to 1-parts of sand 50% chanab & 50% Lawrancepur Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cylinder crushing strength of 3750psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.			
BW	RCC Columns	Cft	179.82	
BW	RCC Neck Column	Cft	79.50	
B	RCC Neck Column C1	Cft	18.25	
B	RCC Columns C1	Cft	75.65	
GF	RCC Neck Column	Cft	531.90	
GF	RCC Columns	Cft	235.14	
FF	RCC Columns	Cft	165.75	
	TOTAL	Cft	1,286.01	
8.0	Brick Masonry in Sub-structure With 1:3 CSM			

	Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:3 using 1-part of OP cement and 3-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.			
BW	a) 18" thick walls	Cft	193.06	
BW	b) 13" thick walls	Cft	144.15	
GF	a) 27" thick walls	Cft	499.50	
GF	b) 22" thick walls	Cft	406.26	
GF	c) 18" thick walls	Cft	333.00	
GF	b) 13" thick walls	Cft	250.86	
	TOTAL	Cft	1826.83	
9.0	Brick Masonry in Superstructure With 1:4 CSM			
	Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:4 using 1-part of OP cement and 4-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.			
BW	a) 9" thick walls	Cft	1,274.20	
BW	b) 4-1/2" thick walls	Cft	193.06	
OHWT	c) 4-1/2" Th. Walls around OHWT	Cft	55.87	
B	a) 9" thick walls	Cft	3892.00	
GF	a) 9" thick walls	Cft	3,965.60	
GF	b) 4-1/2" thick walls	Cft	412.91	
FF	a) 9" thick walls	Cft	3,509.26	
FF	Above Arches	Cft	82.13	
FF	b) 4-1/2" thick walls	Cft	233.44	
RF	a) 9" thick walls	Cft	695.87	
RF	b) 4-1/2" thick walls	Cft	97.75	
	TOTAL	Cft	14412.09	
10.0	Steel Reinforcement			
	Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc.	kg		
	in all kinds of RCC work in foundation, plinth & superstructure.			
	UGWT	kg	300.17	
	SP/ TANK	kg	462.95	
	BASEMENT	kg	3,398.00	
	STAIRS	kg	684.85	
	GROUND FLOOR	kg	10,207.00	
	FIRST FLOOR	kg	7,573.80	
	ROOF FLOOR	kg	663.16	
	OHWT	kg	313.56	
	TOTAL	kg	23,603.49	
11.0	Surface Rendering			
	1/2" to 3/4" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc.			
BW	a-Internal Wall Plaster	Sft	2,296.55	7'-6" Height
BW	b-External Wall Plaster	Sft	3,021.32	7'-6" Height
B	a-Internal Wall Plaster	Sft	1,167.50	
B	b-External Wall Plaster	Sft	1,255.00	
GF	a-Internal Wall Plaster	Sft	7,136.14	
GF	b-External Wall Plaster	Sft	2,337.94	
FF	a-Internal Wall Plaster	Sft	6,670.13	
FF	b-External Wall Plaster	Sft	1,894.37	
RF	a-Internal Wall Plaster	Sft	1,408.00	
RF	b-External Wall Plaster	Sft	803.00	
	TOTAL	Sft	27,989.95	
12.0	Flooring			
12.1	A- 4" Thick Brick Ballast			
	Provide, mix, place, 4" thick brick ballast under flooring. Complete as per drawing, specification and instruction of the Consultant Engineer.			
BW	External Area	Cft	716.76	
B	Basement	Cft	159.55	
GF	Internal Area	Cft	1,033.24	
FF	Internal Area	Cft	920.59	
RF	Internal Area	Cft	214.54	

	TOTAL	Cft	3044.68		
12.2	B- 2" Thick 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand chanab and 4-parts of Margala crush aggregate of specified grading curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.	Cft			
BW	External Area	Cft	347.52		
B	Basement	Cft	100.57		
GF	Internal Area	Cft	501.76		
FF	Internal Area	Cft	408.96		
RF	Internal Area	Cft	104.00		
	TOTAL	Cft	1,462.81		
12.3	Terrazo Finish 1:3 C/S Plaster ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc				
	UGWT	Sft	95.00		
	OHWT	Sft	120.00		
	TOTAL	Sft	215.00		
12.4	Membrane Providing and applying of HY-Grip 4mm thick torch allpied modified bituminous Waterproofing membrane on RCC wall outer surface.complete in all respects, as per specifications and the direction of the Engineer.				
	Basement	Sft	1,437.50		
13.0	PVC Water Stopper "A" Class Grade Providing and fixing in position PVC water stopper 9" wide "A" class grade 5 to 6mm thick of "MARFLAX" or approved equivalent, in RCC retaining walls placed vertically or horizontally, as shown in the drawing, complete in all respects and to the direction of the Engineer	Ft			
	UGWT	Ft	20.00		
	Septic Tank	Ft	24.00		
	OHWT	Ft	22.00		
	Basement	Ft	110.00		
	TOTAL	Ft	176.00		
14.0	Water Proofing Providing and laying Water Proofing to roof consisting of and 2 Nos. flood coats of 10/20 bitumen @ 1.00 kg/sqm each. Double layer of heavy duty polythene sheet, 100mm thick puddle earth and laying of brick tiles size 230 x 115 x 40mm over 19mm thick mud plaster and grouted with cement sand mortar (1:3) Complete as per drawing, specification and instruction of the consultant engineer.	Sft			
	UGWT	Sft	120.00		
	Septic Tank	Sft	136.00		
	OHWT	Sft	154.00		
B	Basement	Sft	1,150.00		
	TOTAL	Sft	1,560.00		
14.1	Roof Treatment Providing and laying, single layer of 300 mm x 150 mm x 50 mm Flat brick tiles in roof, jointed and pointed in CM 1:3. Two coat of water proofing compound, using Bitumen 10/20, applied hot @ 14.68kg /10sqm. Providing and laying, Bond Breaking materials, using 0.102 mm thick Polythene film, over normal thickness of concrete floor. Scraping, Leaping or Mud Plaster , any thickness.	Sft	2,219.00		
		Sft	2,219.00		
		Sft	2,219.00		
		Sft	2,219.00		
FINISHING WORKS					
15.0	Surface preparation by using putty on plastered wall or ceiling to form smooth base for distemper, plastic emulsion paint etc., all as specified				
BW	B/Wall	Sft	4,211.00		
B	Basement	Sft	885.00		
GF	Ground Floor	Sft	6,136.00		
FF	1st Floor	Sft	5,610.00		
RF	Roof Floor	Sft	875.18		
	TOTAL	Sft	17,717.18		
15.1	1st Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint .				
B	Basement	Sft	885.00		
GF	Ground Floor	Sft	6,136.00		
FF	1st Floor	Sft	5,610.00		

RF	Roof Floor	Sft	1,543.00
	TOTAL	Sft	14,174.00
15.2	2nd Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint .		
B	Basement	Sft	885.00
GF	Ground Floor	Sft	6,136.00
FF	1st Floor	Sft	5,610.00
RF	Roof Floor	Sft	1,543.00
	TOTAL	Sft	14,174.00
15.3	1st Coat of Weather Resistant paint on exterior wall on new surface.		
BW	B/Wall	Sft	4,211.00
B	Basement	Sft	966.00
GF	Ground Floor	Sft	2,505.00
FF	1st Floor	Sft	1,963.50
RF	Roof Floor	Sft	1,096.00
	TOTAL	Sft	10,741.50
15.4	2nd Coat of Weather Resistant paint on exterior wall on new surface		
BW	B/Wall	Sft	4,211.00
B	Basement	Sft	966.00
GF	Ground Floor	Sft	2,505.00
FF	1st Floor	Sft	1,963.50
RF	Roof Floor	Sft	1,096.00
	TOTAL	Sft	10,741.50
16.0	FALSE CEILING		
	Supply and fix, Fibre Glass Ceiling (1200 mm x 600 mm) panels, single ply 2 mm thick , in any colour / texture, including Aluminium Tee and angle, 25 mm x 25 mm x 1 mm, hanger clips, jointing clips and GI 14 SWG wire etc. complete, including provision of openings for lights.		
B	Basement	Sft	393.00
GF	Ground Floor	Sft	2,118.00
FF	1st Floor	Sft	1,962.00
	TOTAL	Sft	4,473.00
17.0	FLOORING		
17.1	Providing and laying Standard quality marble tiles (Sunny grey, Badel, Ziarat grey, Sunny white, zebra, Taveera boticina, Supreme white, Parlino stain boticina, Flower boticina), of any size, 13 mm thick including setting, jointing , bonding and chemical polishing, complete all as specified.		
P	Porch / Open Area	Sft	2,066.00
B	Basement	Sft	585.00
GF	Ground Floor	Sft	2,432.00
FF	1st Floor	Sft	2,611.00
RF	Roof Floor	Sft	432.30
	TOTAL	Sft	8,126.30
17.2	Providing and laying Standard quality granite tiles (Indus gold, Tropical), of any size, 20 mm thick including setting, jointing, pointing and chemical polishing complete all as specified.		
B	Basement	Sft	77.45
GF	Ground Floor	Sft	86.24
FF	1st Floor	Sft	75.44
	TOTAL	Sft	239.13
17.3	Providing and laying, 13 mm thick dados, skirting , , using marble chips (1:2) with ordinary Cement including cutting and rubbing, including 10mm thick Cement plaster (1:3), (except polishing). (for GF,1st,2nd floor and lower ground /basement 1st, 2nd, 3rd).		
BW	B/Wall	Sft	35.41
GF	Ground Floor	Sft	1,289.00
FF	1st Floor	Sft	1,256.00
RF	Roof Floor	Sft	245.00
	TOTAL	Sft	2,825.41
18.0	DOORS & WINDOWS		
18.1	Supply and fix, 1st Class Soft Wood (Deodar) Framed and Panelled Doors, gates etc., including chowkats, hold fasts, and mongery, all as specified, 32 mm thick		
B	Basement	No.	1.00
GF	Ground Floor	No.	11.00
FF	1st Floor	No.	10.00
RF	Roof Floor	No.	2.00

18.2	Supply of Aluminium Sliding window , Deluxe Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings.			
B	Basement	No.	1.00	
GF	Ground Floor	No.	17.00	
FF	1st Floor	No.	14.00	
RF	Roof Floor	No.	3.00	
18.3	Supply Iron tinned wire gauze fly proof 9x9 mesh , 24 gauge and fixed with cover fillets to window chowkats etc.			
B	Basement	No.	1.00	
GF	Ground Floor	No.	18.00	
FF	1st Floor	No.	15.00	
RF	Roof Floor	No.	3.00	
18.4	Main Gate - 6' Height	No.	1.00	
19.0	CORBELLINGS			
	Supply and fix, Cemented Strip, or POP Strip the Borders of Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs.			
	Ground Floor	Ft	85.00	
	1st Floor	Ft	135.00	
	TOTAL	Ft	220.00	
20.0	PILLARS			
	Providing and Laying, Fixing along the Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs.	No.		
GF	Long Pillar - 9/12" Dia, H-6'-6"	No.	9.00	
GF	Short Pillar - 9/12" Dia, H 3'-0"	No.	2.00	
FF	Long Pillar - 9/12" Dia, H-6'-6"	No.	21.00	
FF	Short Pillar - 9/12" Dia, H 3'-0"	No.	1.00	
21.0	M/STEEL RAILING WITH GLASS			
	Supply and fixing, Mild steel railing with glass as per approved vendors with an engineer, and all as per specifications.			
B	Stair Railing	Ft	18.00	
GF	Stair Railing	Ft	20.00	
FF	Terrace & Stair Railing	Ft	65.00	
	TOTAL	Ft	103.00	
22.0	TERA COTTA TILES			
	Providing, Supply and fix the Inclined tiles as per design requirement where as used complete with all the aspects.	Sft		
FF	1st Floor	Sft	645.00	
RF	Roof Floor	Sft	693.00	
	TOTAL	Sft	1,338.00	

23.0	STEEL STAIR			
	Supply and fixing, Cast Iron or Steel stair with hand rail as per approved drawing with an engineer, and all aspect as per specifications.			
GF	Circular Steel Stair	No.	1.00	
FF	Circular Steel Stair	No.	1.00	
	TOTAL	No.	2.00	

**PROPOSED HOUSE DESIGN AT PESHAWAR
ENGINEERS COST ESTIMATES**

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE				MATERIAL SUMMARY			
CLIENT:- BARA BANDA PESHAWAR				CONTRACTOR:-			
S/No	Description	Units	Qty	Material			
				Bricks	Cement	Sand	Aggregate
				No's	Bags	Cft	Cft
1	PCC 1:4:8	Cft	1,195.93	-	115.46	566.69	1,133.37
2	DPC 2" Th. 1:2:4	Sft	903.00	-	25.90	63.57	127.14
3	RCC 1:2:4	Cft	9,859.44	-	1,767.79	4,338.15	8,676.30
4	RCC 1:1.5:3	Cft	1,286.01	-	230.58	565.85	1,131.69
5	BRICK MASONRY & MORTOR	Cft	15,968.92	215,580.42	780.87	3,852.54	-
6	2" TH. PCC 1:2:4	Cft	1,462.81	-	262.28	643.64	1,287.27
7	PLASTER 3/4" Th.	Sft	27,990.00	-	4,345.64	21,328.38	-
TOTAL				215,580.42	7,528.52	31,358.82	12,355.77

PROPOSED HOUSE DESIGN AT PESHAWAR
ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		STEEL REINFORCEMENT FLOOR WISE			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
9.0	Steel Reinforcement Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc. in all kinds of RCC work in foundation, plinth & superstructure.				
1	UGWT	kg	300.17		
2	SP/ TANK	kg	462.95		
3	BASEMENT	kg	3,398.04		
4	STAIRS	kg	684.85		
5	GROUND FLOOR	kg	10,442.90		
6	FIRST FLOOR	kg	7,573.75		
7	ROOF FLOOR	kg	663.16		
8	OHWT	kg	313.56		
TOTAL		kg	23,839.38		

PROPOSED HOUSE DESIGN AT PESHAWAR
ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		STEEL SUMMARY WITH DIA OF BAR				
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-				
S.No.	Description	Material				Item wise Total
		Steel (Kg)				
		#3	#4	#6	#8	
1	Basement	248.34	3052.44	96.81	-	3397.590
2	Ground Floor	4,148.06	4,007.64	2,050.80	236.40	10442.904
3	First Floor	3,594.00	2,289.60	1,387.80	-	7271.400
4	Roof Floor	317.55	192.57	-	-	510.120
5	Stairs	291.35	279.36	-	-	570.710
6	UGWT	250.14	-	-	-	250.140
7	SP/TANK	385.74	-	-	-	385.740
8	OHWT	313.56	-	-	-	313.560
TOTAL		9,549	9,822	3,535	236	23,142

PROPOSED HOUSE DESIGN AT PESHAWAR

ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		STRUCTURE: B/WALL, UGWT, SP TANK			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
1.0	Excavation Excavation in sand, silt or clay for wall foundation i/c back filling material any where on the site of the work as instructed by the Engineer.				
1.1	B/Wall	Cft	1,661.70		
1.2	UGWT	Cft	226.25		
1.3	S/P TANK	Cft	176.25		
	TOTAL	Cft	2,064.20		
2.0	Termite proofing Providing and carrying out termite proofing using "Biflex , Fiprokill " or an approved equivalent as per manufacture,s specification. The actual treated area in sft shall be measured for payment.				
2.2	Below B/Wall	Sft	3,607.00		
1.2	UGWT	Sft	145.00		
1.3	S/P TANK	Sft	128.50		
	TOTAL	Sft	3,607.00		
3.0	PCC 1:4:8 Under Foundation Supply, mix place and compact cement concrete 1:4:8 under foundation using 1-part of cement to 4parts of Local sand and 8-parts of Sargodha crush i/c curing etc. complete in all respects.				
3.1	4" Th. Below Footing	Cft	36.60		
3.2	6" Th. Below Walls	Cft	332.35		
3.3	4" Th. Below S/Tank	Cft	23.84		
3.4	4" Th. Below UGWT	Cft	13.24		
	TOTAL	Cft	406.03		
4.0	Ghassu Filling Providing, stacking and filling rough (Ghassu) from outside source under floor including dressing, watering and consolidation by ramming in layers not more than 9" in depth and compaction should not be less than 95% AASHTO modified density, complete in all respects and to the direction of the Engineer.	Cft	1,548.56		
5.0	DPC 2" Th. 1:2:4 50mm thick DPC 1:2:4 using 3mm aggregate and finished smooth with steel float, covered with two coats, each of hot bitumen @ 0.75 Sq/m and blended 0.012 cum of sand per sqm.				
5.1	2" Th. On Interal Walls	Sft	192.75		
6.0	RCC 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand 100% chanab Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cube crushing strength of 3,000psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.				
6.1	RCC Foundation in B/Wall	Cft	163.44		
6.2	RCC Foundation in S/Tank	Cft	35.78		
6.3	RCC Walls in S/Tank	Cft	840.00		
6.4	RCC Slab in S/Tank	Cft	30.49		
6.5	RCC Foundation in UGWT	Cft	24.66		
6.6	RCC Walls in UGWT	Cft	425.18		
6.7	RCC Slab in UGWT	Cft	20.37		
6.8	RCC Foundation in OHWT	Cft	27.76		
6.9	RCC Walls in OHWT	Cft	19.57		
6.10	RCC Slab in OHWT	Cft	25.17		
	TOTAL	Cft	1,581.93		
7.0	RCC 1:1½:3				

	Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:1½:3) using 1-part of Ordinary Port land cement to 1-parts of sand 50% chanab & 50% Lawrancepur Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cylinder crushing strength of 3750psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.			
7.1	RCC Columns	Cft	179.82	
7.2	RCC Neck Column	Cft	79.50	
	TOTAL	Cft	259.32	
8.0	Brick Masonry in Sub-structure With 1:3 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:3 using 1-part of OP cement and 3-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.			
8.1	a) 18" thick walls	Cft	193.06	
8.2	b) 13" thick walls	Cft	144.15	
	TOTAL	Cft	337.21	
9.0	Brick Masonry in Superstructure With 1:4 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:4 using 1-part of OP cement and 4-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.			
9.1	a) 9" thick walls	Cft	1,274.20	
9.2	b) 4-1/2" thick walls	Cft	193.06	
	c) 4-1/2" Th. Walls around OHWT	Cft	55.87	
	TOTAL		1523.13	
10.0	Steel Reinforcement Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc. in all kinds of RCC work in foundation, plinth & superstructure.			
10.1	UGWT	kg	300.17	
10.2	SP/ TANK	kg	462.95	
10.3	OHWT	kg	313.56	
10.0	Surface Rendering ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc.			
	a-Internal Wall Plaster	Sft	2,296.55	7'-6" Height
	b-External Wall Plaster	Sft	3,021.32	7'-6" Height
	TOTAL	Sft	5,317.87	
11.0	Flooring			
11.1	A-4" Thick Brick Ballast Provide, mix, place, 4" thick brick ballast under flooring. Complete as per drawing, specification and instruction of the Consultant Engineer.			
	External Area	Cft	716.76	
11.2	B-2" Thick 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand chanab and 4-parts of Margala crush aggregate of specified grading curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.			
	External Area	Cft	347.52	
12.0	Terrazo Finish 1:3 C/S Plaster ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc			
12.1	UGWT	Sft	95.00	
12.2	OHWT	Sft	120.00	
13.0	PVC Water Stopper "A" Class Grade Providing and fixing in position PVC water stopper 9" wide "A" class grade 5 to 6mm thick of "MARFLAX" or approved equivalent, in RCC retaining walls placed vertically or horizontally, as shown in the drawing, complete in all respects and to the direction of the Engineer			

13.1	UGWT	Ft	20.00		
13.2	Septic Tank	Ft	24.00		
13.3	OHWT	Ft	22.00		
14.0	Water Proofing Providing and laying Water Proofing to roof consisting of and 2 Nos. flood coats of 10/20 bitumen @ 1.00 kg/sqm each. Double layer of heavy duty polythene sheet, 100mm thick puddle earth and laying of brick tiles size 230 x 115 x 40mm over 19mm thick mud plaster and grouted with cement sand mortar (1:3) Complete as per drawing, specification and instruction of the consultant engineer.				
14.1	UGWT	Sft	120.00		
14.2	Septic Tank	Sft	136.00		
14.3	OHWT	Sft	154.00		
	TOTAL	Sft	410.00		

FINISHING WORKS

15.0	Surface preparation by using putty on plastered wall or ceiling to form smooth base for distemper, plastic emulsion paint etc., all as specified B/Wall	Sft	4,211.00		
15.3	1st Coat of Weather Resistant paint on exterior wall on new surface. B/Wall	Sft	4,211.00		
15.4	2nd Coat of Weather Resistant paint on exterior wall on new surface B/Wall	Sft	4,211.00		
17.0	FLOORING Providing and laying Standard quality marble tiles (Sunny grey, Badel, Ziarat grey, Sunny white, zebra, Taveera boticina, Supreme white, Parlino stain boticina, Flower boticina), of any size, 13 mm thick including setting, jointing, bonding and chemical polishing, complete all as specified. Porch / Open Area	Sft	2,066.00		
18.0	DOORS & WINDOWS Supply and fix, 1st Class Soft Wood (Deodar) Framed and				
18.1	Panelled Doors, gates etc., including chowkats, hold fasts, and mongery, all as specified, 32 mm thick Main Gate - 6' Height	No.	1.00		
19.0	CORBELLINGS Supply and fix, Cemented Strip, or POP Strip the Borders of Arches with the 3/4" th. Cement plaster and window trim laid as proper drawings and Specs. B/Wall	Ft	225.00		
20.0	PILLARS Providing and Laying, Fixing along the Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs. Long Pillar - 9/12" Dia, H-6'-6" Short Pillar - 9/12" Dia, H 3'-0"	No. No.	9.00 10.00		

PROPOSED HOUSE DESIGN AT PESHAWAR

ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		STRUCTURE: BASEMENT			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
GREY STRUCTURE					
1.0	Excavation Excavation in sand, silt or clay for wall foundation i/c back filling material any where on the site of the work as instructed by the Engineer.				
1.1	Basement	Cft	6,762.31		
	TOTAL	Cft	6,762.31		
2.0	Termite proofing Providing and carrying out termite proofing using "Biflex , Fiprokill " or an approved equivalent as per manufacture,s specification. The actual treated area in sft shall be measured for payment.				
2.1	R/Wall Height 8' Ft (4-Sides)	Sft	3,268.00		
	TOTAL	Sft	3,268.00		
3.0	PCC 1:4:8 Under Foundation Supply, mix place and compact cement concrete 1:4:8 under foundation using 1-part of cement to 4parts of Local sand and 8-parts of Sargodha crush i/c curing etc. complete in all respects.				
3.1	4" Th. Below Basement	Cft	226.31		
	TOTAL	Cft	226.31		
4.0	Ghassu Filling Providing, stacking and filling rough (Ghassu) from outside source under floor including dressing, watering and consolidation by ramming in layers not more than 9" in depth and compaction should not be less than 95% AASHTO modified density, complete in all respects and to the direction of the Engineer.				
		Cft	1,139.38		
6.0	RCC 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand 100% chanab Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cube crushing strength of 3,000psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.				
5.1	RCC Foundation	Cft	285.00		
5.2	RCC Wall	Cft	1,094.40		
5.3	RCC Slab Beams	Cft	25.22		
5.4	RCC Slab	Cft	273.96		
5.5	RCC Lintels	Cft	22.43		
5.6	RCC Stair				
	i. RCC Wall	Cft	19.60		
	ii. Waist Slab	Cft	49.80		
	iii. Landing	Cft			
5.7	RCC Flooring	Cft	217.80		
	TOTAL	Cft	1988.21		

7.0	RCC 1:1½:3 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:1½:3) using 1-part of Ordinary Port land cement to 1-parts of sand 50% chanab & 50% Lawrancepur Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cylinder crushing strength of 3750psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.			
7.1	RCC Neck Column C1	Cft	18.25	
7.2	RCC Columns C1	Cft	75.65	
	TOTAL	Cft	93.90	
9.0	Brick Masonry in Super-structure With 1:4 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:4 using 1-part of OP cement and 4-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.			
9.1	a) 9" thick walls	Cft	3892.00	
9.2	b) 4-1/2" thick walls	Cft		
	TOTAL	Cft	3892.00	
10.0	Steel Reinforcement Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc. in all kinds of RCC work in foundation, plinth & superstructure.			
10.1	BASEMENT	kg	3,398.00	
8.0	Surface Rendering ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc.			
8.1	a-Internal Wall Plaster	Sft	1,167.50	
8.2	b-External Wall Plaster	Sft	1,255.00	
	TOTAL	Sft	2,422.50	
9.0	Flooring			
9.1	A-4" Thick Brick Ballast Provide, mix, place, 4" thick brick ballast under flooring. Complete as per drawing, specification and instruction of the Consultant Engineer.	Cft	207.42	
	Basement	Cft	159.55	
9.2	B-2" Thick 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand chanab and 4-parts of Margala crush aggregate of specified grading curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.			
	Basement	Cft	100.57	
12.4	Membrane Providing and applying of HY-Grip 4mm thick torch allpied modified bituminous Waterproofing membrane on RCC wall outer surface. complete in all respects, as per specifications and the direction of the Engineer.			
13.0	PVC Water Stopper "A" Class Grade Providing and fixing in position PVC water stopper 9" wide "A" class grade 5 to 6mm thick of "MARFLAX" or approved equivalent, in RCC retaining walls placed vertically or horizontally, as shown in the drawing, complete in all respects and to the direction of the Engineer			
	Basement	Ft	110.00	
14.0	Water Proofing Providing and laying Water Proofing to roof consisting of and 2 Nos. flood coats of 10/20 bitumen @ 1.00 kg/sqm each. Double layer of heavy duty polythene sheet, 100mm thick puddle earth and laying of brick tiles size 230 x 115 x 40mm over 19mm thick mud plaster and grouted with cement sand mortar (1:3) Complete as per drawing, specification and instruction of the consultant engineer.			
	Basement	Sft	1,437.50	

FINISHING WORKS

15.0	Surface preparation by using putty on plastered wall or ceiling to form smooth base for distemper, plastic emulsion paint etc., all as specified Basement	Sft	885.00		
15.1	1st Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint . Basement	Sft	885.00		
15.2	2nd Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint . Basement	Sft	885.00		
15.3	1st Coat of Weather Resistant paint on exterior wall on new surface. Basement	Sft	966.00		
15.4	2nd Coat of Weather Resistant paint on exterior wall on new surface Basement	Sft	966.00		
16.0	FALSE CEILING Supply and fix, Fibre Glass Ceiling (1200 mm x 600 mm) panels, single ply 2 mm thick , in any colour / texture, including Aluminium Tee and angle, 25 mm x 25 mm x 1 mm, hanger clips, jointing clips and GI 14 SWG wire etc. complete, including provision of openings for lights. Basement	Sft	393.00		
17.0	FLOORING Providing and laying Standard quality marble tiles (Sunny grey, Badel, Ziarat grey, Sunny white, zebra, Taveera boticina, Supreme white, Parlino stain boticina, Flower boticina), of any size, 13 mm thick including setting, jointing , bonding and chemical polishing, complete all as specified. Basement	Sft	585.00		
17.2	Providing and laying Standard quality granite tiles (Indus gold, Tropical), of any size, 20 mm thick including setting, jointing, pointing and chemical polishing complete all as specified. Basement	Sft	77.45		
17.3	Providing and laying, 13 mm thick dados, skirting , using marble chips (1:2) with ordinary Cement including cutting and rubbing, including 10mm thick Cement plaster (1:3), (except polishing). (for GF,1st,2nd floor and lower ground /basement 1st, 2nd, 3rd). B/Wall	Sft	35.41		
18.0	DOORS & WINDOWS Supply and fix, 1st Class Soft Wood (Deodar) Framed and Panelled 18.1 Doors, gates etc., including chowkats, hold fasts, and mongery, all as specified, 32 mm thick Basement	No.	1.00		
18.2	Supply of Aluminium Sliding window , Deluxe Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings. Basement	No.	1.00		
18.3	Supply Iron tinned wire gauze fly proof 9x9 mesh , 24 gauge and fixed with cover fillets to window chowkats etc. Basement	No.	1.00		
21.0	M/STEEL RAILING WITH GLASS Supply and fixing, Mild steel railing with glass as per approved vendors with an engineer, and all as per specifications. Stair Railing	Ft	18.00		

PROPOSED HOUSE DESIGN AT PESHAWAR

ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		STRUCTURE: GROUND FLOOR			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
GREY STRUCTURE					
1.0	Excavation Excavation in sand, silt or clay for wall foundation i/c back filling material any where on the site of the work as instructed by the Engineer.				
1.2	G.F Footing	Cft	1,768.00		
1.3	G.F Walls	Cft	1,945.50		
	TOTAL	Cft	3,713.50		
2.0	Termite proofing Providing and carrying out termite proofing using "Biflex , Fiprokill " or an approved equivalent as per manufacture,s specification. The actual treated area in sft shall be measured for payment.				
2.1	Below Footing	Sft	1,767.40		
2.2	Below Walls	Sft	1,945.50		
2.3	Below Panels	Sft	1,441.30		
	TOTAL	Sft	5,154.20		
3.0	PCC 1:4:8 Under Foundation Supply, mix place and compact cement concrete 1:4:8 under foundation using 1-part of cement to 4parts of Local sand and 8-parts of Sargodha crush i/c curing etc. complete in all respects.				
3.1	4" Th. Below Footing	Cft	174.50		
3.2	6" Th. Below Walls	Cft	389.09		
	TOTAL	Cft	563.59		
4.0	Ghassu Filling Providing, stacking and filling rough (Ghassu) from outside source under floor including dressing, watering and consolidation by ramming in layers not more than 9" in depth and compaction should not be less than 95% AASHTO modified density, complete in all respects and to the direction of the Engineer.				
4.1	In Footings	Cft	640.42		
4.2	In Walls	Cft	891.30		
	TOTAL	Cft	1,531.72		
5.0	DPC 2" Th. 1:2:4 50mm thick DPC 1:2:4 using 3mm aggregate and finished smooth with steel float, covered with two coats, each of hot bitumen @ 0.75 Sq/m and blended 0.012 cum of sand per sqm.				
5.1	2" Th. On Internal Walls	Sft	180.75		
5.2	Two layer External Walls on Inner face	Sft	353.25		
5.3	3/4" Th. Facing	Sft	176.25		
	TOTAL	Sft	710.25		
6.0	RCC 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand 100% chanab Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cube crushing strength of 3,000psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.				
6.1	RCC Foundation	Cft	595.68		
6.2	RCC Slab Beams	Cft	398.58		
6.3	RCC Slab	Cft	1,980.50		
6.4	RCC Lintels	Cft	196.87		
6.6	RCC Stair				
	i. RCC Wall	Cft	19.60		
	ii. Waist Slab	Cft	49.80		
	iii. Landing	Cft	20.32		
	TOTAL	Cft	3261.35		

7.0	RCC 1:1½:3 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:1½:3) using 1-part of Ordinary Port land cement to 1-parts of sand 50% chanab & 50% Lawrancepur Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cylinder crushing strength of 3750psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.		
7.1	RCC Neck Column	Cft	531.90
7.2	RCC Columns	Cft	235.14
	TOTAL	Cft	767.04
8.0	Brick Masonry in Sub-structure With 1:3 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:3 using 1-part of OP cement and 3-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.		
8.1	a) 27" thick walls	Cft	499.50
8.2	b) 22" thick walls	Cft	406.26
8.3	c) 18" thick walls	Cft	333.00
8.4	b) 13" thick walls	Cft	250.86
	TOTAL	Cft	1489.62
9.0	Brick Masonry in Superstructure With 1:4 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:4 using 1-part of OP cement and 4-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.		
9.1	a) 9" thick walls	Cft	3,965.60
9.2	b) 4-1/2" thick walls	Cft	412.91
	Total	Cft	4378.51
10.0	Steel Reinforcement Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc. in all kinds of RCC work in foundation, plinth & superstructure. STAIRS GROUND FLOOR	kg kg	684.85 10,207.00
11.0	Surface Rendering ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc. a-Internal Wall Plaster b-External Wall Plaster	Sft Sft	7,136.14 2,337.94
	TOTAL	Sft	9,474.08
12.0	Flooring		
12.1	A- 4" Thick Brick Ballast Provide, mix, place, 4" thick brick ballast under flooring. Complete as per drawing, specification and instruction of the Consultant Engineer. Internal Area	Cft	1,033.24
12.2	B- 2" Thick 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand chanab and 4-parts of Margala crush aggregate of specified grading curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer. Internal Area	Cft	501.76

FINISHING WORKS

15.0	<p>Surface preparation by using putty on plastered wall or ceiling to form smooth base for distemper, plastic emulsion paint etc., all as specified</p> <p>Ground Floor</p>	Sft	6,136.00		
15.1	<p>1st Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint.</p> <p>Ground Floor</p>	Sft	6,136.00		
15.2	<p>2nd Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint.</p> <p>Ground Floor</p>	Sft	6,136.00		
15.3	<p>1st Coat of Weather Resistant paint on exterior wall on new surface.</p> <p>Ground Floor</p>	Sft	2,505.00		
15.4	<p>2nd Coat of Weather Resistant paint on exterior wall on new surface</p> <p>Ground Floor</p>	Sft	2,505.00		
16.0	<p>FALSE CEILING</p>				
16.1	<p>Supply and fix, Fibre Glass Ceiling (1200 mm x 600 mm) panels, single ply 2 mm thick, in any colour / texture, including Aluminium Tee and angle, 25 mm x 25 mm x 1 mm, hanger clips, jointing clips and GI 14 SWG wire etc. complete, including provision of openings for lights.</p> <p>Ground Floor</p>	Sft	2,118.00		
17.0	<p>FLOORING</p>				
17.1	<p>Providing and laying Standard quality marble tiles (Sunny grey, Badel, Ziarat grey, Sunny white, zebra, Taveera boticina, Supreme white, Parlino stain boticina, Flower boticina), of any size, 13 mm thick including setting, jointing, bonding and chemical polishing, complete all as specified.</p> <p>Ground Floor</p>	Sft	2,432.00		
17.2	<p>Providing and laying Standard quality granite tiles (Indus gold, Tropical), of any size, 20 mm thick including setting, jointing, pointing and chemical polishing complete all as specified.</p> <p>Ground Floor</p>	Sft	86.24		
17.3	<p>Providing and laying, 13 mm thick dados, skirting, using marble chips (1:2) with ordinary Cement including cutting and rubbing, including 10mm thick Cement plaster (1:3), (except polishing). (for GF,1st,2nd floor and lower ground /basement 1st, 2nd, 3rd).</p> <p>Ground Floor</p>	Sft	1,289.00		
18.0	<p>DOORS & WINDOWS</p>				
18.1	<p>Supply and fix, 1st Class Soft Wood (Deodar) Framed and Panelled Doors, gates etc., including chowkats, hold fasts, and mongery, all as specified, 32 mm thick</p> <p>Ground Floor</p>	No.	11.00		
18.2	<p>Supply of Aluminium Sliding window, Deluxe Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings.</p> <p>Ground Floor</p>	No.	17.00		
18.3	<p>Supply Iron tinned wire gauze fly proof 9x9 mesh, 24 gauge and fixed with cover fillets to window chowkats etc.</p> <p>Ground Floor</p>	No.	18.00		
19.0	<p>CORBELLINGS</p>				
	<p>Supply and fix, Cemented Strip, or POP Strip the Borders of Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs.</p> <p>Ground Floor</p>	Ft	85.00		
20.0	<p>PILLARS</p>				
	<p>Providing and Laying, Fixing along the Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs.</p> <p>Long Pillar - 9/12" Dia, H-6'-6"</p> <p>Short Pillar - 9/12" Dia, H 3'-0"</p>	No. No.	9.00 2.00		
21.0	<p>M/STEEL RAILING WITH GLASS</p>				
	<p>Supply and fixing, Mild steel railing with glass as per approved vendors with an engineer, and all as per specifications.</p> <p>Stair Railing</p>	Ft	20.00		
23.0	<p>STEEL STAIR</p>				
	<p>Supply and fixing, Cast Iron or Steel stair with hand rail as per approved drawing with an engineer, and all aspect as per specifications.</p>				
GF	GF To 1st Steel Stair	No.	1.00		

PROPOSED HOUSE DESIGN AT PESHAWAR

ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		STRUCTURE: 1ST FLOOR			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
GREY STRUCTURE					
6.0	RCC 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand 100% chanab Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cube crushing strength of 3,000psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.				
6.2	RCC Slab Beams	Cft	321.32		
6.3	RCC Slab	Cft	1,505.31		
6.4	RCC Lintels	Cft	168.75		
6.5	RCC Parapet Wall	Cft	28.06		
6.6	RCC Pitched Slope Roof	Cft	156.26		
6.7	RCC Stair				
	i. RCC Wall	Cft	19.60		
	ii. Waist Slab	Cft	56.40		
	iii. Landing	Cft	10.80		
	TOTAL	Cft	2266.50		
7.0	RCC 1:1½:3 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:1½:3) using 1-part of Ordinary Port land cement to 1-parts of sand 50% chanab & 50% Lawrancepur Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cylinder crushing strength of 3750psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.				
7.2	RCC Columns	Cft	165.75		
	TOTAL	Cft	165.75		
9.0	Brick Masonry in Superstructure With 1:4 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:4 using 1-part of OP cement and 4-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.				
9.1	a) 9" thick walls	Cft	3,509.26		
9.2	Above Arches	Cft	82.13		
9.3	b) 4-1/2" thick walls	Cft	233.44		
	Total	Cft	3824.83		
10.0	Steel Reinforcement Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc. in all kinds of RCC work in foundation, plinth & superstructure. FIRST FLOOR	kg	7,573.80		
11.0	Surface Rendering ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc. a-Internal Wall Plaster b-External Wall Plaster	Sft	6,670.13		
	TOTAL	Sft	8,564.50		
12.0	Flooring				
12.1	A- 4" Thick Brick Ballast				

	Provide, mix, place, 4" thick brick ballast under flooring. Complete as per drawing, specification and instruction of the Consultant Engineer.			
	Internal Area	Cft	920.59	
12.2	B- 2" Thick 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand and 4-parts of Margala crush aggregate of specified grading curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.			
	Internal Area	Cft	408.96	
FINISHING WORKS				
15.0	Surface preparation by using putty on plastered wall or ceiling to form smooth base for distemper, plastic emulsion paint etc., all as specified			
	1st Floor	Sft	5,610.00	
15.1	1st Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint.			
	1st Floor	Sft	5,610.00	
15.2	2nd Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint.			
	1st Floor	Sft	5,610.00	
15.3	1st Coat of Weather Resistant paint on exterior wall on new surface.			
	1st Floor	Sft	1,963.00	
15.4	2nd Coat of Weather Resistant paint on exterior wall on new surface			
	1st Floor	Sft	1,963.50	
16.0	FALSE CEILING			
16.1	Supply and fix, Fibre Glass Ceiling (1200 mm x 600 mm) panels, single ply 2 mm thick , in any colour / texture, including Aluminium Tee and angle, 25 mm x 25 mm x 1 mm, hanger clips, jointing clips and GI 14 SWG wire etc. complete, including provision of openings for lights.			
	1st Floor	Sft	1,962.00	
17.0	FLOORING			
17.1	Providing and laying Standard quality marble tiles (Sunny grey, Badel, Ziarat grey, Sunny white, zebra, Taveera boticina, Supreme white, Parlino stain boticina, Flower boticina), of any size, 13 mm thick including setting, jointing, bonding and chemical polishing, complete all as specified.			
	1st Floor	Sft	2,611.00	
17.2	Providing and laying Standard quality granite tiles (Indus gold, Tropical), of any size, 20 mm thick including setting, jointing, pointing and chemical polishing complete all as specified.			
	1st Floor	Sft	75.44	
17.3	Providing and laying, 13 mm thick dados, skirting , using marble chips (1:2) with ordinary Cement including cutting and rubbing, including 10mm thick Cement plaster (1:3), (except polishing). (for GF, 1st, 2nd floor and lower ground /basement 1st, 2nd, 3rd).			
	1st Floor	Sft	1,256.00	
18.0	DOORS & WINDOWS			
18.1	Supply and fix, 1st Class Soft Wood (Deodar) Framed and Panelled Doors, gates etc., including chowkats, hold fasts, and mongery, all as specified, 32 mm thick			
	1st Floor	No.	10.00	
18.2	Supply of Aluminium Sliding window , Deluxe Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings.			
	1st Floor	No.	14.00	
18.3	Supply Iron tinned wire gauze fly proof 9x9 mesh , 24 gauge and fixed with cover fillets to window chowkats etc.			
	1st Floor	No.	15.00	
19.0	CORBELLINGS			
	Supply and fix, Cemented Strip, or POP Strip the Borders of Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs.			
	1st Floor	Ft	135.00	
20.0	PILLARS			

	Providing and Laying, Fixing along the Arches with the 3/4" th. Cement plaster laid as proper drawings and Specs. Long Pillar - 9/12" Dia, H-6'-6" Short Pillar - 9/12" Dia, H3'-0"	No. No.	21.00 1.00		
21.0	M/STEEL RAILING WITH GLASS Supply and fixing, Mild steel railing with glass as per approved vendors with an engineer, and all as per specifications. Terrace & Stair Railing	Ft	65.00		
22.0	TERA COTTA TILES Providing, Supply and fix the Inclined tiles as per design requirement where as used complete with all the aspects. 1st Floor	Sft	645.00		
23.0	STEEL STAIR Supply and fixing, Cast Iron or Steel stair with hand rail as per approved drawing with an engineer, and all aspect as per specifications. 1st to Roof Floor Steel Stair	No.	1.00		

PROPOSED HOUSE DESIGN AT PESHAWAR

ENGINEERS COST ESTIMATES

21-Jul-2023

PROJECT:- 1.5 KANAL HOUSE		STRUCTURE: ROOF FLOOR, OHWT			
CLIENT:- BARA BANDA PESHAWAR		CONTRACTOR:-			
S NO	DESCRIPTION	Units	Qty	RATE	Amount
GREY STRUCTURE					
6.0	RCC 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand 100% chanab Sand of best quality and 4-parts of Sargodha crush aggregate of specified grading with min. cube crushing strength of 3,000psi at 28 days i/c providing and fixing of Steel plates form work and its subsequent removal & curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer.				
6.3	RCC Slab	Cft	510.19		
6.6	RCC Pitched Slope Roof	Cft	165.98		
6.4	RCC Lintels	Cft	39.38		
6.5	RCC Parapet Wall	Cft	45.90		
	TOTAL	Cft	761.45		
9.0	Brick Masonry in Superstructure With 1:4 CSM Providing and laying 1st class solid burnt brick masonry in super structure set in cement sand mortar 1:4 using 1-part of OP cement and 4-parts of clean Local sand in straight or curved walls including scaffoldings, raking out joints and curing etc. complete in all respect.				
9.1	a) 9" thick walls	Cft	695.87		
9.3	b) 4-1/2" thick walls	Cft	97.75		
	Total	Cft	793.62		
10.0	Steel Reinforcement Providing & fixing in position Deformed reinforcement bars 60,000 psi yield strength including bending, binding, and such over laps as are not shown in the drawings, placing in position precast cement sand (1:2) gutti, M.S. chairs and steel wires for binding etc. in all kinds of RCC work in foundation, plinth & superstructure. ROOF FLOOR				
		kg	663.16		
11.0	Surface Rendering ½" to ¾" thick cement, sand plaster in 1:4CSM on both side of walls including of making edges, corners and curing etc. a-Internal Wall Plaster b-External Wall Plaster TOTAL				
		Sft	1,408.00		
		Sft	803.00		
		Sft	2,211.00		
12.0	Flooring				
12.1	A- 4" Thick Brick Ballast Provide, mix, place, 4" thick brick ballast under flooring. Complete as per drawing, specification and instruction of the Consultant Engineer. Internal Area				
		Cft	214.54		
12.2	B- 2" Thick 1:2:4 Provide, mix, place, compact and vibrate cement concrete with a volumetric mix (1:2:4) using 1-part of Ordinary Port land cement to 2-parts of sand chanab and 4-parts of Margala crush aggregate of specified grading curing etc. Complete as per drawing, specification and instruction of the Consultant Engineer. Internal Area				
		Cft	104.00		
14.1	Roof Treatment				
14.1.1	Providing and laying, single layer of 300 mm x 150 mm x 50 mm Flat brick tiles in roof, jointed and pointed in CM 1:3.	Sft	2,219.00		
14.1.2	Two coat of water proofing compound, using Bitumen 10/20, applied hot @ 14.68kg /10sqm.	Sft	2,219.00		
14.1.3	Providing and laying, Bond Breaking materials, using 0.102 mm thick Polythene film, over normal thickness of concrete floor.	Sft	2,219.00		
14.1.4	Scraping, Leaping or Mud Plaster , any thickness.	Sft	2,219.00		

FINISHING WORKS

15.0	Surface preparation by using putty on plastered wall or ceiling to form smooth base for distemper, plastic emulsion paint etc., all as specified Roof Floor	Sft	875.18		
15.1	1st Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint. Roof Floor	Sft	1,543.00		
15.2	2nd Coat of painting on new or old work such as walls including all detached attachment with Plastic Emulsion paint. Roof Floor	Sft	1,543.00		
15.3	1st Coat of Weather Resistant paint on exterior wall on new surface. Roof Floor	Sft	1,096.00		
15.4	2nd Coat of Weather Resistant paint on exterior wall on new surface Roof Floor	Sft	1,096.00		
17.0	FLOORING Providing and laying Standard quality marble tiles (Sunny grey, Badel, Ziarat grey, Sunny white, zebra, Taveera boticina, Supreme white, Parlino stain boticina, Flower boticina), of any size, 13 mm thick including setting, jointing , bonding and chemical polishing, complete all as specified. Roof Floor	Sft	432.30		
17.3	Providing and laying, 13 mm thick dados, skirting , , using marble chips (1:2) with ordinary Cement including cutting and rubbing, including 10mm thick Cement plaster (1:3), (except polishing). (for GF,1st,2nd floor and lower ground /basement 1st, 2nd, 3rd). Roof Floor	Sft	245.00		
18.0	DOORS & WINDOWS Supply and fix, 1st Class Soft Wood (Deodar) Framed and Panelled 18.1 Doors, gates etc., including chowkats, hold fasts, and mongery, all as specified, 32 mm thick Roof Floor	No.	2.00		
18.2	Supply of Aluminium Sliding window , Deluxe Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings. Roof Floor	No.	3.00		
18.3	Supply Iron tinned wire gauze fly proof 9x9 mesh , 24 gauge and fixed with cover fillets to window chowkats etc. Roof Floor	No.	3.00		
22.0	TERA COTTA TILES Providing, Supply and fix the Inclined tiles as per design requirement where as used complete with all the aspects. Roof Floor	Sft	693.00		